

A reconstruction of Viète's Canonion triangvlorvm (1579)

Denis Roegel

► **To cite this version:**

Denis Roegel. A reconstruction of Viète's Canonion triangvlorvm (1579). [Research Report] 2011.
<hal-00654459>

HAL Id: hal-00654459

<https://hal.inria.fr/hal-00654459>

Submitted on 21 Dec 2011

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

A reconstruction
of Viète's
Canonion triangulorum
(1579)

Denis Roegel

20 December 2011

1 Viète (1540–1603)

François Viète was probably the greatest French mathematician of the 16th century. He was a lawyer, but worked in parallel on mathematics. He developed a new algebra with the use of letters as parameters in equations.

2 The *Canonion triangulorum* (1579)

In his *Canonion triangulorum*, which is part of the *Canon mathematicus* (1579), Viète gave a number of right-angled triangles with rational sides. More precisely, Viète gave the Pythagorean triples

$$\left(\frac{4n}{n^2 + 4}, \frac{n^2 - 4}{n^2 + 4}, 1 \right) \quad (1)$$

$$\left(\frac{4n}{n^2 - 4}, 1, \frac{n^2 + 4}{n^2 - 4} \right) \quad (2)$$

$$\left(1, \frac{n^2 - 4}{4n}, \frac{n^2 + 4}{4n} \right) \quad (3)$$

for 1422 values of n and scaled by a factor 100000. These triples are of the form (b, p, h) , where $b^2 + p^2 = h^2$, b being the basis, p the perpendicular, and h the hypotenuse of a right triangle. The above formulæ were given by Viète at the end of the *Canonion*. They were of course not expressed in modern terms, but using more verbose expressions.

In the first sequence of triples (*series I*), the hypotenuse is made constant and equal to 100000. In the second sequence (*series II*), the perpendicular is constant, and in the third sequence (*series III*), it is the basis. These sequences are the same as those used in Viète's trigonometric table [14].

The layout of the table alternates between odd and even pages, with symmetrical sequences of triple series. The value of n is given in the right column of odd pages, and in the left column of even pages. The first value of the first page corresponds to $n = 999424$, and the three corresponding triples are

$$\left(\frac{19988480000}{49942416589}, 99999 + \frac{49942376589}{49942416589}, 100000 \right), \quad (4)$$

$$\left(\frac{99942400000}{249712082943}, 100000, 100000 + \frac{200000}{249712082943} \right), \quad (5)$$

$$\left(100000, 24985599999 + \frac{28107}{31232}, 24985600000 + \frac{3125}{31232} \right) \quad (6)$$

The last value of the table corresponds to $n = 1$, but this value leads to negative values in the triples, and Viète therefore replaced all values by \blacklozenge .

For $n = 2$, only the first and third triples are meaningful, and are $(100000, 0, 100000)$ and $(100000, 0, 100000)$. Viète replaced the two zeros by \blacklozenge , and put \blacklozenge for the second triple.

The triples were not given for all values of n from 1 to 999424, but for the fourteen sequences

$1, 2, 3, \dots, 200,$
 $202, 204, 206, \dots, 400,$
 $404, 408, 412, \dots, 800,$
 $808, 816, 824, \dots, 1600,$
 \dots
 $100 \cdot 2^{m-1} + 2^{m-1}, 100 \cdot 2^{m-1} + 2 \cdot 2^{m-1}, \dots, 100 \cdot 2^m$
 \dots
 $413696, 417792, 421888, \dots, 819200,$
 $827392, 835584, 843776, \dots, 999424$

Each sequence, except the first and the last, contains 100 terms. n takes a total of $200 + 100 \times 12 + 22 = 1422$ values.

According to Ritter [9, p. 47], Viète may have computed this table in order to provide better approximations of the equation of time, or of the difference between the true and mean motion of a planet. Viète himself acknowledged the little utility of his table. Delambre wrote that the triangles are expressed with fractions which are so large that their practical utility is not clear [3, p. 456].

Viète's table seems to be rather accurate, according to our samples. The only error found among the several dozen values examined is that for the index 29 (last page). Viète gave the pair $(13727 + \frac{137}{169}, 99054 + \frac{114}{169})$ instead of $(13727 + \frac{137}{169}, 99053 + \frac{43}{169})$.

Viète's work made its way to Thomas Harriot through Nathaniel Torporley [12, 11].

3 Reconstruction

The values of the table were computed using the GNU `mpfr` multiple-precision floating-point library developed at INRIA [5]. In this case, the library was only used with integers and fractions were simplified using an implementation of Euclid's GCD algorithm.

We have tried to remain as close as possible to the original layout, but we currently didn't make use of colors. The original tables may have some parts in color. As soon as we get a chance to consult the original table, we will adapt the coloring if necessary.

References

The following list covers the most important references¹ related to Viète’s tables. Not all items of this list are mentioned in the text, and the sources which have not been seen are marked so. We have added notes about the contents of the articles in certain cases.

- [1] Anonymous. Article “Table”. In *The Penny Cyclopædia of the Society for the Diffusion of Useful Knowledge*, volume 23, pages 496–501. London: Charles Knight and co., 1842.
- [2] Henri Bosmans. Le traité des sinus de Michiel Coignet. *Annales de la Société Scientifique de Bruxelles*, 25 (seconde partie, mémoires):91–170, 1901–1902.
- [3] Jean-Baptiste Joseph Delambre. *Histoire de l’astronomie du moyen âge*. Paris: Veuve Courcier, 1819. [pp. 455–483 on Viète]
- [4] Gustaf Eneström. M. Cantor. Vorlesungen über Geschichte der Mathematik (review). *Bibliotheca mathematica*, 6 (new series):91–92, 1892.
- [5] Laurent Fousse, Guillaume Hanrot, Vincent Lefèvre, Patrick Pélissier, and Paul Zimmermann. MPFR: A multiple-precision binary floating-point library with correct rounding. *ACM Transactions on Mathematical Software*, 33(2), 2007.
- [6] James Whitbread Lee Glaisher. *Report of the committee on mathematical tables*. London: Taylor and Francis, 1873. [Also published as part of the “Report of the forty-third meeting of the British Association for the advancement of science,” London: John Murray, 1874. A review by R. Radau was published in the *Bulletin des sciences mathématiques et astronomiques*, volume 11, 1876, pp. 7–27]
- [7] Karl Hunrath. Des Rheticus *Canon doctrinæ triangulorum* und Vieta’s *Canon mathematicus*. *Zeitschrift für Mathematik und Physik*, 44 (supplement):211–240, 1899. [= *Abandhandlungen zur Geschichte der Mathematik*, 9th volume]
- [8] Charles Hutton. *Mathematical tables*. London: G. G. J. Robinson, J. Robinson and R. Baldwin, 1785. [The same text on Viète was reproduced in later editions.]
- [9] Frédéric Ritter. *François Viète, inventeur de l’algèbre moderne, 1540–1603, notice sur sa vie et son œuvre*. Paris: Dépôt de la Revue occidentale, 1895. [Ritter wrote much more material on Viète and his manuscripts are at the library of the *Institut* in Paris, Ms. 2004–2012.]

¹**Note on the titles of the works:** Original titles come with many idiosyncrasies and features (line splitting, size, fonts, etc.) which can often not be reproduced in a list of references. It has therefore seemed pointless to capitalize works according to conventions which not only have no relation with the original work, but also do not restore the title entirely. In the following list of references, most title words (except in German) will therefore be left uncapitalized. The names of the authors have also been homogenized and initials expanded, as much as possible.

The reader should keep in mind that this list is not meant as a facsimile of the original works. The original style information could no doubt have been added as a note, but we have not done it here.

- [10] Denis Roegel. A reconstruction of Viète’s *Canon Mathematicus* (1579). Technical report, LORIA, Nancy, 2011. [This is a reconstruction of the main table of [14].]
- [11] Jacqueline Stedall. Notes made by Thomas Harriot on the treatises of François Viète. *Archive for history of exact sciences*, 62(2):179–200, 2008.
- [12] Rosalind Cecilia Hildegard Tanner. Nathaniel Torporley’s ‘Congestor analyticus’ and Thomas Harriot’s ‘De triangulis laterum rationalium’. *Annals of Science*, 34:393–428, 1977.
- [13] Paul Tannery. Ritter (Frédéric). François Viète, notice sur sa vie et son œuvre (review). *Bulletin des sciences mathématiques*, 20:204–211, 1896.
- [14] François Viète. *Canon mathematicus seu ad triangula cum appendicibus*. Paris: Jean Mettayer, 1579. [The main table was reconstructed in [10].]
- [15] François Viète. *Canonion triangulorum laterum rationalium*. Paris: Jean Mettayer, 1579. [part of the *Canon mathematicus* [14]]
- [16] Mary Claudia Zeller. *The development of trigonometry from Regiomontanus to Pitiscus*. PhD thesis, University of Michigan, 1944. [published in 1946]

Viète's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

CANONION TRIANGVLORVM LATERVM RATIONALIVM										3		
SERIES I.			SERIES II.			SERIES III.						
										&c.		
0	$\frac{19,988,480,000}{49,942,416,589}$	99,999	$\frac{49,942,376,589}{49,942,416,589}$	0	$\frac{99,942,400,000}{249,712,082,943}$	100,000	$\frac{200,000}{249,712,082,943}$	24,985,599,999	$\frac{28,107}{31,232}$	24,985,600,000	$\frac{3,125}{31,232}$	999,424
0	$\frac{99,123,200,000}{245,635,219,457}$	99,999	$\frac{245,635,019,457}{245,635,219,457}$	0	$\frac{19,824,640,000}{49,127,043,891}$	100,000	$\frac{40,000}{49,127,043,891}$	24,780,799,999	$\frac{27,851}{30,976}$	24,780,800,000	$\frac{3,125}{30,976}$	991,232
0	$\frac{98,304,000,000}{241,591,910,401}$	99,999	$\frac{241,591,710,401}{241,591,910,401}$	0	$\frac{98,304,000,000}{241,591,910,399}$	100,000	$\frac{200,000}{241,591,910,399}$	24,575,999,999	$\frac{5,519}{6,144}$	24,576,000,000	$\frac{625}{6,144}$	983,040
0	$\frac{97,484,800,000}{237,582,155,777}$	99,999	$\frac{237,581,955,777}{237,582,155,777}$	0	$\frac{3,899,392,000}{9,503,286,231}$	100,000	$\frac{8,000}{9,503,286,231}$	24,371,199,999	$\frac{27,339}{30,464}$	24,371,200,000	$\frac{3,125}{30,464}$	974,848
0	$\frac{19,333,120,000}{46,721,191,117}$	99,999	$\frac{46,721,151,117}{46,721,191,117}$	0	$\frac{96,665,600,000}{233,605,955,583}$	100,000	$\frac{200,000}{233,605,955,583}$	24,166,399,999	$\frac{27,083}{30,208}$	24,166,400,000	$\frac{3,125}{30,208}$	966,656
0	$\frac{3,833,856,000}{9,186,532,393}$	99,999	$\frac{9,186,524,393}{9,186,532,393}$	0	$\frac{95,846,400,000}{229,663,309,823}$	100,000	$\frac{200,000}{229,663,309,823}$	23,961,599,999	$\frac{26,827}{29,952}$	23,961,600,000	$\frac{3,125}{29,952}$	958,464
0	$\frac{95,027,200,000}{225,754,218,497}$	99,999	$\frac{225,754,018,497}{225,754,218,497}$	0	$\frac{19,005,440,000}{45,150,843,699}$	100,000	$\frac{40,000}{45,150,843,699}$	23,756,799,999	$\frac{26,571}{29,696}$	23,756,800,000	$\frac{3,125}{29,696}$	950,272
0	$\frac{94,208,000,000}{221,878,681,601}$	99,999	$\frac{221,878,481,601}{221,878,681,601}$	0	$\frac{94,208,000,000}{221,878,681,599}$	100,000	$\frac{200,000}{221,878,681,599}$	23,551,999,999	$\frac{5,263}{5,888}$	23,552,000,000	$\frac{625}{5,888}$	942,080
0	$\frac{93,388,800,000}{218,036,699,137}$	99,999	$\frac{218,036,499,137}{218,036,699,137}$	0	$\frac{18,677,760,000}{43,607,339,827}$	100,000	$\frac{40,000}{43,607,339,827}$	23,347,199,999	$\frac{26,059}{29,184}$	23,347,200,000	$\frac{3,125}{29,184}$	933,888
0	$\frac{18,513,920,000}{42,845,654,221}$	99,999	$\frac{42,845,614,221}{42,845,654,221}$	0	$\frac{92,569,600,000}{214,228,271,103}$	100,000	$\frac{200,000}{214,228,271,103}$	23,142,399,999	$\frac{25,803}{28,928}$	23,142,400,000	$\frac{3,125}{28,928}$	925,696
0	$\frac{18,350,080,000}{42,090,679,501}$	99,999	$\frac{42,090,639,501}{42,090,679,501}$	0	$\frac{91,750,400,000}{210,453,397,503}$	100,000	$\frac{200,000}{210,453,397,503}$	22,937,599,999	$\frac{25,547}{28,672}$	22,937,600,000	$\frac{3,125}{28,672}$	917,504
0	$\frac{99,931,200,000}{206,712,078,337}$	99,999	$\frac{206,711,878,337}{206,712,078,337}$	0	$\frac{18,186,240,000}{41,342,415,667}$	100,000	$\frac{40,000}{41,342,415,667}$	22,732,799,999	$\frac{25,291}{28,416}$	22,732,800,000	$\frac{3,125}{28,416}$	909,312
0	$\frac{90,112,000,000}{203,004,313,601}$	99,999	$\frac{203,004,113,601}{203,004,313,601}$	0	$\frac{90,112,000,000}{203,004,313,599}$	100,000	$\frac{200,000}{203,004,313,599}$	22,527,999,999	$\frac{5,007}{5,632}$	22,528,000,000	$\frac{625}{5,632}$	901,120
0	$\frac{89,292,800,000}{199,330,103,297}$	99,999	$\frac{199,329,903,297}{199,330,103,297}$	0	$\frac{17,858,560,000}{39,866,020,659}$	100,000	$\frac{40,000}{39,866,020,659}$	22,323,199,999	$\frac{24,779}{27,904}$	22,323,200,000	$\frac{3,125}{27,904}$	892,928
0	$\frac{3,538,944,000}{7,827,577,897}$	99,999	$\frac{7,827,569,897}{7,827,577,897}$	0	$\frac{88,473,600,000}{195,689,447,423}$	100,000	$\frac{200,000}{195,689,447,423}$	22,118,399,999	$\frac{24,523}{27,648}$	22,118,400,000	$\frac{3,125}{27,648}$	884,736
0	$\frac{17,539,880,000}{38,416,469,197}$	99,999	$\frac{38,416,429,197}{38,416,469,197}$	0	$\frac{87,654,400,000}{192,082,345,983}$	100,000	$\frac{200,000}{192,082,345,983}$	21,913,599,999	$\frac{24,267}{27,392}$	21,913,600,000	$\frac{3,125}{27,392}$	876,544
0	$\frac{86,835,200,000}{188,508,798,977}$	99,999	$\frac{188,508,598,977}{188,508,798,977}$	0	$\frac{3,473,408,000}{7,540,351,959}$	100,000	$\frac{8,000}{7,540,351,959}$	21,708,799,999	$\frac{24,011}{27,136}$	21,708,800,000	$\frac{3,125}{27,136}$	868,352
0	$\frac{86,016,000,000}{184,968,806,401}$	99,999	$\frac{184,968,606,401}{184,968,806,401}$	0	$\frac{86,016,000,000}{184,968,806,399}$	100,000	$\frac{200,000}{184,968,806,399}$	21,503,999,999	$\frac{4,751}{5,376}$	21,504,000,000	$\frac{625}{5,376}$	860,160
0	$\frac{85,196,800,000}{181,462,368,257}$	99,999	$\frac{181,462,168,257}{181,462,368,257}$	0	$\frac{17,039,360,000}{36,292,473,651}$	100,000	$\frac{40,000}{36,292,473,651}$	21,299,199,999	$\frac{23,499}{26,624}$	21,299,200,000	$\frac{3,125}{26,624}$	851,968
0	$\frac{16,875,520,000}{35,597,896,909}$	99,999	$\frac{35,597,856,909}{35,597,896,909}$	0	$\frac{84,377,600,000}{177,989,484,543}$	100,000	$\frac{200,000}{177,989,484,543}$	21,094,399,999	$\frac{23,243}{26,368}$	21,094,400,000	$\frac{3,125}{26,368}$	843,776
0	$\frac{16,711,680,000}{34,910,031,053}$	99,999	$\frac{34,909,991,053}{34,910,031,053}$	0	$\frac{83,558,400,000}{174,550,155,263}$	100,000	$\frac{200,000}{174,550,155,263}$	20,889,599,999	$\frac{22,987}{26,112}$	20,889,600,000	$\frac{3,125}{26,112}$	835,584
0	$\frac{82,739,200,000}{171,144,380,417}$	99,999	$\frac{171,144,180,417}{171,144,380,417}$	0	$\frac{16,547,840,000}{34,228,876,083}$	100,000	$\frac{40,000}{34,228,876,083}$	20,684,799,999	$\frac{22,731}{25,856}$	20,684,800,000	$\frac{3,125}{25,856}$	827,392
Basis 100,000 Hypotenusa			Perpendicularum 100,000 Hypotenusa			Basis 100,000 Perpendicularum			Hypotenusa 100,000 Basis			Numeri primi Baseos

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

CANONION TRIANGVLORVM									
4	SERIES III.			SERIES II.			SERIES I.		
819,200	20,480,000,000 $\frac{125}{1,024}$	20,479,999,999 $\frac{899}{1,024}$	100,000 $\frac{200,000}{167,772,159,999}$	0	$\frac{81,920,000,000}{167,772,159,999}$	99,999 $\frac{167,771,960,001}{167,772,160,001}$	0	$\frac{81,920,000,000}{167,772,160,001}$	
815,104	20,377,600,000 $\frac{3,125}{25,472}$	20,377,599,999 $\frac{22,347}{25,472}$	100,000 $\frac{200,000}{166,098,632,703}$	0	$\frac{81,510,400,000}{166,098,632,703}$	99,999 $\frac{33,219,686,541}{33,219,726,541}$	0	$\frac{16,302,080,000}{33,219,726,541}$	
811,008	20,275,200,000 $\frac{3,125}{25,344}$	20,275,199,999 $\frac{22,219}{25,344}$	100,000 $\frac{40,000}{32,886,698,803}$	0	$\frac{16,220,160,000}{32,886,698,803}$	99,999 $\frac{164,433,294,017}{164,433,494,017}$	0	$\frac{81,100,800,000}{164,433,494,017}$	
806,912	20,172,800,000 $\frac{3,125}{25,216}$	20,172,799,999 $\frac{22,091}{25,216}$	100,000 $\frac{40,000}{32,555,348,787}$	0	$\frac{16,138,240,000}{32,555,348,787}$	99,999 $\frac{162,776,543,937}{162,776,743,937}$	0	$\frac{80,691,200,000}{162,776,743,937}$	
802,816	20,070,400,000 $\frac{3,125}{25,088}$	20,070,399,999 $\frac{21,963}{25,088}$	100,000 $\frac{200,000}{161,128,382,463}$	0	$\frac{80,281,600,000}{161,128,382,463}$	99,999 $\frac{32,225,636,493}{32,225,676,493}$	0	$\frac{16,056,320,000}{32,225,676,493}$	
798,720	19,968,000,000 $\frac{625}{4,992}$	19,967,999,999 $\frac{4,367}{4,992}$	100,000 $\frac{200,000}{159,488,409,599}$	0	$\frac{79,872,000,000}{159,488,409,599}$	99,999 $\frac{159,488,209,601}{159,488,409,601}$	0	$\frac{79,872,000,000}{159,488,409,601}$	
794,624	19,865,600,000 $\frac{3,125}{24,832}$	19,865,599,999 $\frac{21,707}{24,832}$	100,000 $\frac{200,000}{157,856,825,343}$	0	$\frac{79,462,400,000}{157,856,825,343}$	99,999 $\frac{31,571,325,069}{31,571,365,069}$	0	$\frac{15,892,480,000}{31,571,365,069}$	
790,528	19,763,200,000 $\frac{3,125}{24,704}$	19,763,199,999 $\frac{21,579}{24,704}$	100,000 $\frac{40,000}{31,246,725,939}$	0	$\frac{15,810,560,000}{31,246,725,939}$	99,999 $\frac{156,233,429,697}{156,233,629,697}$	0	$\frac{79,052,800,000}{156,233,629,697}$	
786,432	19,660,800,000 $\frac{3,125}{24,576}$	19,660,799,999 $\frac{21,451}{24,576}$	100,000 $\frac{40,000}{30,923,764,531}$	0	$\frac{15,728,640,000}{30,923,764,531}$	99,999 $\frac{154,618,622,657}{154,618,822,657}$	0	$\frac{78,643,200,000}{154,618,822,657}$	
782,336	19,558,400,000 $\frac{3,125}{24,448}$	19,558,399,999 $\frac{21,323}{24,448}$	100,000 $\frac{200,000}{153,012,404,223}$	0	$\frac{78,233,600,000}{153,012,404,223}$	99,999 $\frac{6,120,488,169}{6,120,496,169}$	0	$\frac{6,120,344,000}{6,120,496,169}$	
778,240	19,456,000,000 $\frac{625}{4,864}$	19,455,999,999 $\frac{4,239}{4,864}$	100,000 $\frac{200,000}{151,414,374,399}$	0	$\frac{77,824,000,000}{151,414,374,399}$	99,999 $\frac{151,414,174,401}{151,414,374,401}$	0	$\frac{77,824,000,000}{151,414,374,401}$	
774,144	19,353,600,000 $\frac{3,125}{24,192}$	19,353,599,999 $\frac{21,067}{24,192}$	100,000 $\frac{200,000}{149,824,733,183}$	0	$\frac{77,414,400,000}{149,824,733,183}$	99,999 $\frac{29,964,906,637}{29,964,946,637}$	0	$\frac{15,482,880,000}{29,964,946,637}$	
770,048	19,251,200,000 $\frac{3,125}{24,064}$	19,251,199,999 $\frac{20,939}{24,064}$	100,000 $\frac{8,000}{5,929,739,223}$	0	$\frac{3,080,192,000}{5,929,739,223}$	99,999 $\frac{148,243,280,577}{148,243,480,577}$	0	$\frac{77,004,800,000}{148,243,480,577}$	
765,952	19,148,800,000 $\frac{3,125}{23,936}$	19,148,799,999 $\frac{20,811}{23,936}$	100,000 $\frac{8,000}{5,866,824,663}$	0	$\frac{3,063,808,000}{5,866,824,663}$	99,999 $\frac{146,670,416,577}{146,670,616,577}$	0	$\frac{76,595,200,000}{146,670,616,577}$	
761,856	19,046,400,000 $\frac{3,125}{23,808}$	19,046,399,999 $\frac{20,683}{23,808}$	100,000 $\frac{200,000}{145,106,141,183}$	0	$\frac{76,185,600,000}{145,106,141,183}$	99,999 $\frac{29,021,188,237}{29,021,228,237}$	0	$\frac{15,237,120,000}{29,021,228,237}$	
757,760	18,944,000,000 $\frac{625}{4,736}$	18,943,999,999 $\frac{4,111}{4,736}$	100,000 $\frac{200,000}{143,550,054,399}$	0	$\frac{75,776,000,000}{143,550,054,399}$	99,999 $\frac{143,549,854,401}{143,550,054,401}$	0	$\frac{75,776,000,000}{143,550,054,401}$	
753,664	18,841,600,000 $\frac{3,125}{23,552}$	18,841,599,999 $\frac{20,427}{23,552}$	100,000 $\frac{200,000}{142,002,356,223}$	0	$\frac{75,366,400,000}{142,002,356,223}$	99,999 $\frac{5,680,086,249}{5,680,094,249}$	0	$\frac{3,014,656,000}{5,680,094,249}$	
749,568	18,739,200,000 $\frac{3,125}{23,424}$	18,739,199,999 $\frac{20,299}{23,424}$	100,000 $\frac{40,000}{28,092,609,331}$	0	$\frac{14,991,360,000}{28,092,609,331}$	99,999 $\frac{140,462,846,657}{140,463,046,657}$	0	$\frac{74,956,800,000}{140,463,046,657}$	
745,472	18,636,800,000 $\frac{3,125}{23,296}$	18,636,799,999 $\frac{20,171}{23,296}$	100,000 $\frac{40,000}{27,786,425,139}$	0	$\frac{14,909,440,000}{27,786,425,139}$	99,999 $\frac{138,931,925,697}{138,932,125,697}$	0	$\frac{74,547,200,000}{138,932,125,697}$	
741,376	18,534,400,000 $\frac{3,125}{23,168}$	18,534,399,999 $\frac{20,043}{23,168}$	100,000 $\frac{200,000}{137,409,593,343}$	0	$\frac{74,137,600,000}{137,409,593,343}$	99,999 $\frac{27,481,878,669}{27,481,918,669}$	0	$\frac{14,827,520,000}{27,481,918,669}$	
737,280	18,432,000,000 $\frac{625}{4,608}$	18,431,999,999 $\frac{3,983}{4,608}$	100,000 $\frac{200,000}{135,895,449,599}$	0	$\frac{73,728,000,000}{135,895,449,599}$	99,999 $\frac{135,895,249,601}{135,895,449,601}$	0	$\frac{73,728,000,000}{135,895,449,601}$	
733,184	18,329,600,000 $\frac{3,125}{22,912}$	18,329,599,999 $\frac{19,787}{22,912}$	100,000 $\frac{200,000}{134,389,694,463}$	0	$\frac{73,318,400,000}{134,389,694,463}$	99,999 $\frac{26,877,898,893}{26,877,938,893}$	0	$\frac{14,663,680,000}{26,877,938,893}$	
729,088	18,227,200,000 $\frac{3,125}{22,784}$	18,227,199,999 $\frac{19,659}{22,784}$	100,000 $\frac{40,000}{26,578,465,587}$	0	$\frac{14,581,760,000}{26,578,465,587}$	99,999 $\frac{132,892,127,937}{132,892,327,937}$	0	$\frac{72,908,800,000}{132,892,327,937}$	
724,992	18,124,800,000 $\frac{3,125}{22,656}$	18,124,799,999 $\frac{19,531}{22,656}$	100,000 $\frac{40,000}{26,280,670,003}$	0	$\frac{14,499,840,000}{26,280,670,003}$	99,999 $\frac{131,403,150,017}{131,403,350,017}$	0	$\frac{72,499,200,000}{131,403,350,017}$	
720,896	18,022,400,000 $\frac{3,125}{22,528}$	18,022,399,999 $\frac{19,403}{22,528}$	100,000 $\frac{200,000}{129,922,760,703}$	0	$\frac{72,089,600,000}{129,922,760,703}$	99,999 $\frac{25,984,512,141}{25,984,552,141}$	0	$\frac{14,417,920,000}{25,984,552,141}$	
716,800	17,920,000,000 $\frac{125}{896}$	17,919,999,999 $\frac{771}{896}$	100,000 $\frac{200,000}{128,450,559,999}$	0	$\frac{71,680,000,000}{128,450,559,999}$	99,999 $\frac{128,450,360,001}{128,450,560,001}$	0	$\frac{71,680,000,000}{128,450,560,001}$	
712,704	17,817,600,000 $\frac{3,125}{22,272}$	17,817,599,999 $\frac{19,147}{22,272}$	100,000 $\frac{200,000}{126,986,747,903}$	0	$\frac{71,270,400,000}{126,986,747,903}$	99,999 $\frac{25,397,309,581}{25,397,349,581}$	0	$\frac{14,254,080,000}{25,397,349,581}$	
708,608	17,715,200,000 $\frac{3,125}{22,144}$	17,715,199,999 $\frac{19,019}{22,144}$	100,000 $\frac{40,000}{25,106,264,883}$	0	$\frac{14,172,160,000}{25,106,264,883}$	99,999 $\frac{125,531,124,417}{125,531,324,417}$	0	$\frac{70,860,800,000}{125,531,324,417}$	
704,512	17,612,800,000 $\frac{3,125}{22,016}$	17,612,799,999 $\frac{18,891}{22,016}$	100,000 $\frac{40,000}{24,816,857,907}$	0	$\frac{14,090,240,000}{24,816,857,907}$	99,999 $\frac{124,084,089,537}{124,084,289,537}$	0	$\frac{70,451,200,000}{124,084,289,537}$	
700,416	17,510,400,000 $\frac{3,125}{21,888}$	17,510,399,999 $\frac{18,763}{21,888}$	100,000 $\frac{200,000}{122,645,643,263}$	0	$\frac{70,041,600,000}{122,645,643,263}$	99,999 $\frac{24,529,088,653}{24,529,128,653}$	0	$\frac{14,008,320,000}{24,529,128,653}$	
696,320	17,408,000,000 $\frac{625}{4,352}$	17,407,999,999 $\frac{3,727}{4,352}$	100,000 $\frac{200,000}{121,215,385,599}$	0	$\frac{69,632,000,000}{121,215,385,599}$	99,999 $\frac{121,215,185,601}{121,215,385,601}$	0	$\frac{69,632,000,000}{121,215,385,601}$	
692,224	17,305,600,000 $\frac{3,125}{21,632}$	17,305,599,999 $\frac{18,507}{21,632}$	100,000 $\frac{200,000}{119,793,516,543}$	0	$\frac{69,222,400,000}{119,793,516,543}$	99,999 $\frac{23,958,663,309}{23,958,703,309}$	0	$\frac{13,844,480,000}{23,958,703,309}$	
Numeri primi Baseos	<i>Hypotenusa</i> 100,000 Basis	<i>Perpendicularum</i>	<i>Hypotenusa</i> 100,000 Perpendicularum		<i>Basis</i>	<i>Perpendicularum</i> 100,000 Hypotenusa		<i>Basis</i>	

Viète's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM										5		
SERIES I.		SERIES II.		SERIES III.								
0	$\frac{68,812,800,000}{118,380,036,097}$	99,999	$\frac{118,379,836,097}{118,380,036,097}$	0	$\frac{13,762,560,000}{23,676,007,219}$	100,000	$\frac{40,000}{23,676,007,219}$	17,203,199,999	$\frac{18,379}{21,504}$	$\frac{17,203,200,000}{21,504}$	$\frac{3,125}{21,504}$	688,128
0	$\frac{68,403,200,000}{116,974,944,257}$	99,999	$\frac{116,974,744,257}{116,974,944,257}$	0	$\frac{13,680,640,000}{23,394,988,851}$	100,000	$\frac{40,000}{23,394,988,851}$	17,100,799,999	$\frac{18,251}{21,376}$	$\frac{17,100,800,000}{21,376}$	$\frac{3,125}{21,376}$	684,032
0	$\frac{2,719,744,000}{4,623,129,641}$	99,999	$\frac{4,623,121,641}{4,623,129,641}$	0	$\frac{67,993,600,000}{115,578,241,023}$	100,000	$\frac{200,000}{115,578,241,023}$	16,998,399,999	$\frac{18,123}{21,248}$	$\frac{16,998,400,000}{21,248}$	$\frac{3,125}{21,248}$	679,936
0	$\frac{67,584,000,000}{114,189,926,401}$	99,999	$\frac{114,189,726,401}{114,189,926,401}$	0	$\frac{67,584,000,000}{114,189,926,399}$	100,000	$\frac{200,000}{114,189,926,399}$	16,895,999,999	$\frac{3,599}{4,224}$	$\frac{16,896,000,000}{4,224}$	$\frac{625}{4,224}$	675,840
0	$\frac{13,434,880,000}{22,562,000,077}$	99,999	$\frac{22,561,960,077}{22,562,000,077}$	0	$\frac{67,174,400,000}{112,810,000,383}$	100,000	$\frac{200,000}{112,810,000,383}$	16,793,599,999	$\frac{17,867}{20,992}$	$\frac{16,793,600,000}{20,992}$	$\frac{3,125}{20,992}$	671,744
0	$\frac{66,764,800,000}{111,438,462,977}$	99,999	$\frac{111,438,262,977}{111,438,462,977}$	0	$\frac{2,670,592,000}{4,457,538,519}$	100,000	$\frac{8,000}{4,457,538,519}$	16,691,199,999	$\frac{17,739}{20,864}$	$\frac{16,691,200,000}{20,864}$	$\frac{3,125}{20,864}$	667,648
0	$\frac{66,355,200,000}{110,075,314,177}$	99,999	$\frac{110,075,114,177}{110,075,314,177}$	0	$\frac{2,654,208,000}{4,403,012,567}$	100,000	$\frac{8,000}{4,403,012,567}$	16,588,799,999	$\frac{17,611}{20,736}$	$\frac{16,588,800,000}{20,736}$	$\frac{3,125}{20,736}$	663,552
0	$\frac{13,189,120,000}{21,744,110,797}$	99,999	$\frac{21,744,070,797}{21,744,110,797}$	0	$\frac{65,945,600,000}{108,720,553,983}$	100,000	$\frac{200,000}{108,720,553,983}$	16,486,399,999	$\frac{17,483}{20,608}$	$\frac{16,486,400,000}{20,608}$	$\frac{3,125}{20,608}$	659,456
0	$\frac{65,536,000,000}{107,374,182,401}$	99,999	$\frac{107,373,982,401}{107,374,182,401}$	0	$\frac{65,536,000,000}{107,374,182,399}$	100,000	$\frac{200,000}{107,374,182,399}$	16,383,999,999	$\frac{3,471}{4,096}$	$\frac{16,384,000,000}{4,096}$	$\frac{625}{4,096}$	655,360
0	$\frac{2,605,056,000}{4,241,447,977}$	99,999	$\frac{4,241,439,977}{4,241,447,977}$	0	$\frac{65,126,400,000}{106,036,199,423}$	100,000	$\frac{200,000}{106,036,199,423}$	16,281,599,999	$\frac{17,227}{20,352}$	$\frac{16,281,600,000}{20,352}$	$\frac{3,125}{20,352}$	651,264
0	$\frac{64,716,800,000}{104,706,605,057}$	99,999	$\frac{104,706,405,057}{104,706,605,057}$	0	$\frac{12,943,360,000}{20,941,321,011}$	100,000	$\frac{40,000}{20,941,321,011}$	16,179,199,999	$\frac{17,099}{20,224}$	$\frac{16,179,200,000}{20,224}$	$\frac{3,125}{20,224}$	647,168
0	$\frac{64,307,200,000}{103,385,399,297}$	99,999	$\frac{103,385,199,297}{103,385,399,297}$	0	$\frac{12,861,440,000}{20,677,079,859}$	100,000	$\frac{40,000}{20,677,079,859}$	16,076,799,999	$\frac{16,971}{20,096}$	$\frac{16,076,800,000}{20,096}$	$\frac{3,125}{20,096}$	643,072
0	$\frac{12,779,520,000}{20,414,516,429}$	99,999	$\frac{20,414,476,429}{20,414,516,429}$	0	$\frac{63,897,600,000}{102,072,582,143}$	100,000	$\frac{200,000}{102,072,582,143}$	15,974,399,999	$\frac{16,843}{19,968}$	$\frac{15,974,400,000}{19,968}$	$\frac{3,125}{19,968}$	638,976
0	$\frac{63,488,000,000}{100,768,153,601}$	99,999	$\frac{100,767,953,601}{100,768,153,601}$	0	$\frac{63,488,000,000}{100,768,153,599}$	100,000	$\frac{200,000}{100,768,153,599}$	15,871,999,999	$\frac{3,343}{3,968}$	$\frac{15,872,000,000}{3,968}$	$\frac{625}{3,968}$	634,880
0	$\frac{12,615,680,000}{19,894,422,733}$	99,999	$\frac{19,894,382,733}{19,894,422,733}$	0	$\frac{63,078,400,000}{99,472,113,663}$	100,000	$\frac{200,000}{99,472,113,663}$	15,769,599,999	$\frac{16,587}{19,712}$	$\frac{15,769,600,000}{19,712}$	$\frac{3,125}{19,712}$	630,784
0	$\frac{62,668,800,000}{98,184,462,337}$	99,999	$\frac{98,184,262,337}{98,184,462,337}$	0	$\frac{12,533,760,000}{19,636,892,467}$	100,000	$\frac{40,000}{19,636,892,467}$	15,667,199,999	$\frac{16,459}{19,584}$	$\frac{15,667,200,000}{19,584}$	$\frac{3,125}{19,584}$	626,688
0	$\frac{62,259,200,000}{96,905,199,617}$	99,999	$\frac{96,904,999,617}{96,905,199,617}$	0	$\frac{12,451,840,000}{19,381,039,923}$	100,000	$\frac{40,000}{19,381,039,923}$	15,564,799,999	$\frac{16,331}{19,456}$	$\frac{15,564,800,000}{19,456}$	$\frac{3,125}{19,456}$	622,592
0	$\frac{12,369,920,000}{19,126,865,101}$	99,999	$\frac{19,126,825,101}{19,126,865,101}$	0	$\frac{12,369,920,000}{95,634,325,503}$	100,000	$\frac{200,000}{95,634,325,503}$	15,462,399,999	$\frac{16,203}{19,328}$	$\frac{15,462,400,000}{19,328}$	$\frac{3,125}{19,328}$	618,496
0	$\frac{61,440,000,000}{94,371,840,001}$	99,999	$\frac{94,371,640,001}{94,371,840,001}$	0	$\frac{61,440,000,000}{94,371,839,999}$	100,000	$\frac{200,000}{94,371,839,999}$	15,359,999,999	$\frac{643}{768}$	$\frac{15,360,000,000}{768}$	$\frac{125}{768}$	614,400
0	$\frac{12,206,080,000}{18,623,548,621}$	99,999	$\frac{18,623,508,621}{18,623,548,621}$	0	$\frac{61,030,400,000}{93,117,743,103}$	100,000	$\frac{200,000}{93,117,743,103}$	15,257,599,999	$\frac{15,947}{19,072}$	$\frac{15,257,600,000}{19,072}$	$\frac{3,125}{19,072}$	610,304
0	$\frac{60,620,800,000}{91,872,034,817}$	99,999	$\frac{91,871,834,817}{91,872,034,817}$	0	$\frac{12,124,160,000}{18,374,406,963}$	100,000	$\frac{40,000}{18,374,406,963}$	15,155,199,999	$\frac{15,819}{18,944}$	$\frac{15,155,200,000}{18,944}$	$\frac{3,125}{18,944}$	606,208
0	$\frac{60,211,200,000}{90,634,715,137}$	99,999	$\frac{90,634,515,137}{90,634,715,137}$	0	$\frac{12,042,240,000}{18,126,943,027}$	100,000	$\frac{40,000}{18,126,943,027}$	15,052,799,999	$\frac{15,691}{18,816}$	$\frac{15,052,800,000}{18,816}$	$\frac{3,125}{18,816}$	602,112
0	$\frac{11,960,320,000}{17,881,156,813}$	99,999	$\frac{17,881,116,813}{17,881,156,813}$	0	$\frac{59,801,600,000}{89,405,784,063}$	100,000	$\frac{200,000}{89,405,784,063}$	14,950,399,999	$\frac{15,563}{18,688}$	$\frac{14,950,400,000}{18,688}$	$\frac{3,125}{18,688}$	598,016
0	$\frac{59,392,000,000}{88,185,241,601}$	99,999	$\frac{88,185,041,601}{88,185,241,601}$	0	$\frac{59,392,000,000}{88,185,241,599}$	100,000	$\frac{200,000}{88,185,241,599}$	14,847,999,999	$\frac{3,087}{3,712}$	$\frac{14,848,000,000}{3,712}$	$\frac{625}{3,712}$	593,920
0	$\frac{11,796,480,000}{17,394,617,549}$	99,999	$\frac{17,394,577,549}{17,394,617,549}$	0	$\frac{58,982,400,000}{86,973,087,743}$	100,000	$\frac{200,000}{86,973,087,743}$	14,745,599,999	$\frac{15,307}{18,432}$	$\frac{14,745,600,000}{18,432}$	$\frac{3,125}{18,432}$	589,824
0	$\frac{58,572,800,000}{85,769,322,497}$	99,999	$\frac{85,769,122,497}{85,769,322,497}$	0	$\frac{11,714,560,000}{17,153,864,499}$	100,000	$\frac{40,000}{17,153,864,499}$	14,643,199,999	$\frac{15,179}{18,304}$	$\frac{14,643,200,000}{18,304}$	$\frac{3,125}{18,304}$	585,728
0	$\frac{58,163,200,000}{84,573,945,857}$	99,999	$\frac{84,573,745,857}{84,573,945,857}$	0	$\frac{11,632,640,000}{16,914,789,171}$	100,000	$\frac{40,000}{16,914,789,171}$	14,540,799,999	$\frac{15,051}{18,176}$	$\frac{14,540,800,000}{18,176}$	$\frac{3,125}{18,176}$	581,632
0	$\frac{2,310,144,000}{3,335,478,313}$	99,999	$\frac{3,335,470,313}{3,335,478,313}$	0	$\frac{57,753,600,000}{83,386,957,823}$	100,000	$\frac{200,000}{83,386,957,823}$	14,438,399,999	$\frac{14,923}{18,048}$	$\frac{14,438,400,000}{18,048}$	$\frac{3,125}{18,048}$	577,536
0	$\frac{57,344,000,000}{82,208,358,401}$	99,999	$\frac{82,208,158,401}{82,208,358,401}$	0	$\frac{57,344,000,000}{82,208,358,399}$	100,000	$\frac{200,000}{82,208,358,399}$	14,335,999,999	$\frac{2,959}{3,584}$	$\frac{14,336,000,000}{3,584}$	$\frac{625}{3,584}$	573,440
0	$\frac{11,386,880,000}{16,207,629,517}$	99,999	$\frac{16,207,589,517}{16,207,629,517}$	0	$\frac{56,934,400,000}{81,038,147,583}$	100,000	$\frac{200,000}{81,038,147,583}$	14,233,599,999	$\frac{14,667}{17,792}$	$\frac{14,233,600,000}{17,792}$	$\frac{3,125}{17,792}$	569,344
0	$\frac{56,524,800,000}{79,876,325,377}$	99,999	$\frac{79,876,125,377}{79,876,325,377}$	0	$\frac{452,198,400}{639,010,603}$	100,000	$\frac{1,600}{639,010,603}$	14,131,199,999	$\frac{14,539}{17,664}$	$\frac{14,131,200,000}{17,664}$	$\frac{3,125}{17,664}$	565,248
0	$\frac{56,115,200,000}{78,722,891,777}$	99,999	$\frac{78,722,691,777}{78,722,891,777}$	0	$\frac{2,244,608,000}{3,148,915,671}$	100,000	$\frac{8,000}{3,148,915,671}$	14,028,799,999	$\frac{14,411}{17,536}$	$\frac{14,028,800,000}{17,536}$	$\frac{3,125}{17,536}$	561,152
0	$\frac{11,141,120,000}{15,515,569,357}$	99,999	$\frac{15,515,529,357}{15,515,569,357}$	0	$\frac{55,705,600,000}{77,577,846,783}$	100,000	$\frac{200,000}{77,577,846,783}$	13,926,399,999	$\frac{14,283}{17,408}$	$\frac{13,926,400,000}{17,408}$	$\frac{3,125}{17,408}$	557,056
0	$\frac{55,296,000,000}{76,441,190,401}$	99,999	$\frac{76,440,990,401}{76,441,190,401}$	0	$\frac{55,296,000,000}{76,441,190,399}$	100,000	$\frac{200,000}{76,441,190,399}$	13,823,999,999	$\frac{2,831}{3,456}$	$\frac{13,824,000,000}{3,456}$	$\frac{625}{3,456}$	552,960
<i>Basis</i> 100,000 <i>Hypotenusus</i>		<i>Perpendicularum</i>		<i>Basis</i> 100,000 <i>Perpendicularum</i>		<i>Hypotenusus</i>		<i>Perpendicularum</i> 100,000 <i>Hypotenusus</i>		<i>Hypotenusus</i> 100,000 <i>Basis</i>		<i>Numeri primi Baseos</i>

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

6 CANONION TRIANGVLORVM											
	SERIES III.		SERIES II.		SERIES I.						
548,864	13,721,600,000 $\frac{3 \cdot 125}{17,152}$	13,721,599,999 $\frac{14,027}{17,152}$	100,000 $\frac{200,000}{75,312,922,623}$	0	54,886,400,000 $\frac{200,000}{75,312,922,623}$	99,999	602,501,781 $\frac{200,000}{602,503,381}$	0	439,091,200 $\frac{200,000}{602,503,381}$	0	439,091,200 $\frac{200,000}{602,503,381}$
544,768	13,619,200,000 $\frac{3 \cdot 125}{17,024}$	13,619,199,999 $\frac{13,899}{17,024}$	100,000 $\frac{40,000}{14,838,608,691}$	0	10,895,360,000 $\frac{40,000}{14,838,608,691}$	99,999	74,192,843,457 $\frac{40,000}{74,193,943,457}$	0	54,476,800,000 $\frac{40,000}{74,193,943,457}$	0	54,476,800,000 $\frac{40,000}{74,193,943,457}$
540,672	13,516,800,000 $\frac{3 \cdot 125}{16,896}$	13,516,799,999 $\frac{13,771}{16,896}$	100,000 $\frac{40,000}{14,616,310,579}$	0	10,813,440,000 $\frac{40,000}{14,616,310,579}$	99,999	73,081,352,897 $\frac{40,000}{73,081,552,897}$	0	54,067,200,000 $\frac{40,000}{73,081,552,897}$	0	54,067,200,000 $\frac{40,000}{73,081,552,897}$
536,576	13,414,400,000 $\frac{3 \cdot 125}{16,768}$	13,414,399,999 $\frac{13,643}{16,768}$	100,000 $\frac{200,000}{71,978,450,943}$	0	53,657,600,000 $\frac{200,000}{71,978,450,943}$	99,999	14,395,650,189 $\frac{200,000}{14,395,690,189}$	0	10,731,520,000 $\frac{200,000}{14,395,690,189}$	0	10,731,520,000 $\frac{200,000}{14,395,690,189}$
532,480	13,312,000,000 $\frac{625}{3,328}$	13,311,999,999 $\frac{2,703}{3,328}$	100,000 $\frac{200,000}{70,883,737,599}$	0	53,248,000,000 $\frac{200,000}{70,883,737,599}$	99,999	70,883,537,601 $\frac{200,000}{70,883,737,601}$	0	53,248,000,000 $\frac{200,000}{70,883,737,601}$	0	53,248,000,000 $\frac{200,000}{70,883,737,601}$
528,384	13,209,600,000 $\frac{3 \cdot 125}{16,512}$	13,209,599,999 $\frac{13,387}{16,512}$	100,000 $\frac{200,000}{69,797,412,863}$	0	52,838,400,000 $\frac{200,000}{69,797,412,863}$	99,999	13,959,442,573 $\frac{200,000}{13,959,482,573}$	0	10,567,680,000 $\frac{200,000}{13,959,482,573}$	0	10,567,680,000 $\frac{200,000}{13,959,482,573}$
524,288	13,107,200,000 $\frac{3 \cdot 125}{16,384}$	13,107,199,999 $\frac{13,259}{16,384}$	100,000 $\frac{40,000}{13,743,895,347}$	0	10,485,760,000 $\frac{40,000}{13,743,895,347}$	99,999	68,719,276,737 $\frac{40,000}{68,719,476,737}$	0	52,428,800,000 $\frac{40,000}{68,719,476,737}$	0	52,428,800,000 $\frac{40,000}{68,719,476,737}$
520,192	13,004,800,000 $\frac{3 \cdot 125}{16,256}$	13,004,799,999 $\frac{13,131}{16,256}$	100,000 $\frac{40,000}{13,529,985,843}$	0	10,403,840,000 $\frac{40,000}{13,529,985,843}$	99,999	67,649,729,217 $\frac{40,000}{67,649,929,217}$	0	52,019,200,000 $\frac{40,000}{67,649,929,217}$	0	52,019,200,000 $\frac{40,000}{67,649,929,217}$
516,096	12,902,400,000 $\frac{3 \cdot 125}{16,128}$	12,902,399,999 $\frac{13,093}{16,128}$	100,000 $\frac{200,000}{66,588,770,303}$	0	51,609,600,000 $\frac{200,000}{66,588,770,303}$	99,999	13,317,714,061 $\frac{200,000}{13,317,754,061}$	0	10,321,920,000 $\frac{200,000}{13,317,754,061}$	0	10,321,920,000 $\frac{200,000}{13,317,754,061}$
512,000	12,800,000,000 $\frac{25}{128}$	12,799,999,999 $\frac{103}{128}$	100,000 $\frac{200,000}{65,535,999,999}$	0	51,200,000,000 $\frac{200,000}{65,535,999,999}$	99,999	65,535,800,001 $\frac{200,000}{65,536,000,001}$	0	51,200,000,000 $\frac{200,000}{65,536,000,001}$	0	51,200,000,000 $\frac{200,000}{65,536,000,001}$
507,904	12,697,600,000 $\frac{3 \cdot 125}{15,872}$	12,697,599,999 $\frac{12,747}{15,872}$	100,000 $\frac{200,000}{64,491,618,303}$	0	50,790,400,000 $\frac{200,000}{64,491,618,303}$	99,999	12,898,283,661 $\frac{200,000}{12,898,323,661}$	0	10,158,080,000 $\frac{200,000}{12,898,323,661}$	0	10,158,080,000 $\frac{200,000}{12,898,323,661}$
503,808	12,595,200,000 $\frac{3 \cdot 125}{15,744}$	12,595,199,999 $\frac{12,619}{15,744}$	100,000 $\frac{40,000}{12,691,125,043}$	0	10,076,160,000 $\frac{40,000}{12,691,125,043}$	99,999	63,455,425,217 $\frac{40,000}{63,455,925,217}$	0	50,380,800,000 $\frac{40,000}{63,455,925,217}$	0	50,380,800,000 $\frac{40,000}{63,455,925,217}$
499,712	12,492,800,000 $\frac{3 \cdot 125}{15,616}$	12,492,799,999 $\frac{12,491}{15,616}$	100,000 $\frac{40,000}{12,485,604,147}$	0	9,994,240,000 $\frac{40,000}{12,485,604,147}$	99,999	62,427,820,737 $\frac{40,000}{62,428,020,737}$	0	49,971,200,000 $\frac{40,000}{62,428,020,737}$	0	49,971,200,000 $\frac{40,000}{62,428,020,737}$
495,616	12,390,400,000 $\frac{3 \cdot 125}{15,488}$	12,390,399,999 $\frac{12,363}{15,488}$	100,000 $\frac{200,000}{61,408,804,863}$	0	49,561,600,000 $\frac{200,000}{61,408,804,863}$	99,999	12,281,720,973 $\frac{200,000}{12,281,760,973}$	0	9,912,320,000 $\frac{200,000}{12,281,760,973}$	0	9,912,320,000 $\frac{200,000}{12,281,760,973}$
491,520	12,288,000,000 $\frac{625}{3,072}$	12,287,999,999 $\frac{2,447}{3,072}$	100,000 $\frac{200,000}{60,397,977,599}$	0	49,152,000,000 $\frac{200,000}{60,397,977,599}$	99,999	60,397,777,601 $\frac{200,000}{60,397,977,601}$	0	49,152,000,000 $\frac{200,000}{60,397,977,601}$	0	49,152,000,000 $\frac{200,000}{60,397,977,601}$
487,424	12,185,600,000 $\frac{3 \cdot 125}{15,232}$	12,185,599,999 $\frac{12,197}{15,232}$	100,000 $\frac{200,000}{59,395,538,943}$	0	48,742,400,000 $\frac{200,000}{59,395,538,943}$	99,999	11,879,067,789 $\frac{200,000}{11,879,107,789}$	0	9,748,480,000 $\frac{200,000}{11,879,107,789}$	0	9,748,480,000 $\frac{200,000}{11,879,107,789}$
483,328	12,083,200,000 $\frac{3 \cdot 125}{15,104}$	12,083,199,999 $\frac{11,979}{15,104}$	100,000 $\frac{40,000}{11,680,297,779}$	0	9,666,560,000 $\frac{40,000}{11,680,297,779}$	99,999	58,401,288,897 $\frac{40,000}{58,401,488,897}$	0	48,332,800,000 $\frac{40,000}{58,401,488,897}$	0	48,332,800,000 $\frac{40,000}{58,401,488,897}$
479,232	11,980,800,000 $\frac{3 \cdot 125}{14,976}$	11,980,799,999 $\frac{11,851}{14,976}$	100,000 $\frac{40,000}{11,483,165,491}$	0	9,584,640,000 $\frac{40,000}{11,483,165,491}$	99,999	57,415,627,457 $\frac{40,000}{57,415,827,457}$	0	47,923,200,000 $\frac{40,000}{57,415,827,457}$	0	47,923,200,000 $\frac{40,000}{57,415,827,457}$
475,136	11,878,400,000 $\frac{3 \cdot 125}{14,848}$	11,878,399,999 $\frac{11,723}{14,848}$	100,000 $\frac{200,000}{56,438,554,623}$	0	47,513,600,000 $\frac{200,000}{56,438,554,623}$	99,999	451,506,837 $\frac{200,000}{451,508,437}$	0	380,108,800 $\frac{200,000}{451,508,437}$	0	380,108,800 $\frac{200,000}{451,508,437}$
471,040	11,776,000,000 $\frac{625}{2,944}$	11,775,999,999 $\frac{2,319}{2,944}$	100,000 $\frac{200,000}{55,469,670,399}$	0	47,104,000,000 $\frac{200,000}{55,469,670,399}$	99,999	55,469,470,401 $\frac{200,000}{55,469,670,401}$	0	47,104,000,000 $\frac{200,000}{55,469,670,401}$	0	47,104,000,000 $\frac{200,000}{55,469,670,401}$
466,944	11,673,600,000 $\frac{3 \cdot 125}{14,592}$	11,673,599,999 $\frac{11,467}{14,592}$	100,000 $\frac{200,000}{54,509,174,783}$	0	46,694,400,000 $\frac{200,000}{54,509,174,783}$	99,999	10,901,794,957 $\frac{200,000}{10,901,834,957}$	0	9,338,880,000 $\frac{200,000}{10,901,834,957}$	0	9,338,880,000 $\frac{200,000}{10,901,834,957}$
462,848	11,571,200,000 $\frac{3 \cdot 125}{14,464}$	11,571,199,999 $\frac{11,339}{14,464}$	100,000 $\frac{8,000}{2,142,282,711}$	0	1,851,392,000 $\frac{8,000}{2,142,282,711}$	99,999	53,558,867,777 $\frac{8,000}{53,557,067,777}$	0	46,284,800,000 $\frac{8,000}{53,557,067,777}$	0	46,284,800,000 $\frac{8,000}{53,557,067,777}$
458,752	11,468,800,000 $\frac{3 \cdot 125}{14,336}$	11,468,799,999 $\frac{11,211}{14,336}$	100,000 $\frac{320}{84,181,359}$	0	73,400,320 $\frac{320}{84,181,359}$	99,999	52,613,149,377 $\frac{320}{52,613,349,377}$	0	45,875,200,000 $\frac{320}{52,613,349,377}$	0	45,875,200,000 $\frac{320}{52,613,349,377}$
454,656	11,366,400,000 $\frac{3 \cdot 125}{14,208}$	11,366,399,999 $\frac{11,083}{14,208}$	100,000 $\frac{200,000}{51,678,019,583}$	0	45,465,600,000 $\frac{200,000}{51,678,019,583}$	99,999	10,335,563,917 $\frac{200,000}{10,335,903,917}$	0	9,093,120,000 $\frac{200,000}{10,335,903,917}$	0	9,093,120,000 $\frac{200,000}{10,335,903,917}$
450,560	11,264,000,000 $\frac{625}{2,816}$	11,263,999,999 $\frac{2,191}{2,816}$	100,000 $\frac{200,000}{50,751,078,399}$	0	45,056,000,000 $\frac{200,000}{50,751,078,399}$	99,999	50,750,878,401 $\frac{200,000}{50,751,078,401}$	0	45,056,000,000 $\frac{200,000}{50,751,078,401}$	0	45,056,000,000 $\frac{200,000}{50,751,078,401}$
446,464	11,161,600,000 $\frac{3 \cdot 125}{13,952}$	11,161,599,999 $\frac{10,827}{13,952}$	100,000 $\frac{200,000}{49,832,525,823}$	0	44,646,400,000 $\frac{200,000}{49,832,525,823}$	99,999	1,993,293,033 $\frac{200,000}{1,993,301,033}$	0	1,785,856,000 $\frac{200,000}{1,993,301,033}$	0	1,785,856,000 $\frac{200,000}{1,993,301,033}$
442,368	11,059,200,000 $\frac{3 \cdot 125}{13,824}$	11,059,199,999 $\frac{10,699}{13,824}$	100,000 $\frac{40,000}{9,784,472,371}$	0	8,847,360,000 $\frac{40,000}{9,784,472,371}$	99,999	48,922,161,857 $\frac{40,000}{48,922,361,857}$	0	44,236,800,000 $\frac{40,000}{48,922,361,857}$	0	44,236,800,000 $\frac{40,000}{48,922,361,857}$
438,272	10,956,800,000 $\frac{3 \cdot 125}{13,696}$	10,956,799,999 $\frac{10,571}{13,696}$	100,000 $\frac{40,000}{9,604,117,299}$	0	8,765,440,000 $\frac{40,000}{9,604,117,299}$	99,999	48,020,386,497 $\frac{40,000}{48,020,586,497}$	0	43,827,200,000 $\frac{40,000}{48,020,586,497}$	0	43,827,200,000 $\frac{40,000}{48,020,586,497}$
434,176	10,854,400,000 $\frac{3 \cdot 125}{13,568}$	10,854,399,999 $\frac{10,443}{13,568}$	100,000 $\frac{200,000}{47,127,199,743}$	0	43,417,600,000 $\frac{200,000}{47,127,199,743}$	99,999	9,425,399,949 $\frac{200,000}{9,425,439,949}$	0	8,683,520,000 $\frac{200,000}{9,425,439,949}$	0	8,683,520,000 $\frac{200,000}{9,425,439,949}$
430,080	10,752,000,000 $\frac{625}{2,688}$	10,751,999,999 $\frac{2,063}{2,688}$	100,000 $\frac{200,000}{46,242,201,599}$	0	43,008,000,000 $\frac{200,000}{46,242,201,599}$	99,999	46,242,001,601 $\frac{200,000}{46,242,201,601}$	0	43,008,000,000 $\frac{200,000}{46,242,201,601}$	0	43,008,000,000 $\frac{200,000}{46,242,201,601}$
425,984	10,649,600,000 $\frac{3 \cdot 125}{13,312}$	10,649,599,999 $\frac{10,187}{13,312}$	100,000 $\frac{200,000}{45,365,592,063}$	0	42,598,400,000 $\frac{200,000}{45,365,592,063}$	99,999	9,073,978,413 $\frac{200,000}{9,073,118,413}$	0	8,519,680,000 $\frac{200,000}{9,073,118,413}$	0	8,519,680,000 $\frac{200,000}{9,073,118,413}$
421,888	10,547,200,000 $\frac{3 \cdot 125}{13,184}$	10,547,199,999 $\frac{10,059}{13,184}$	100,000 $\frac{40,000}{8,899,474,227}$	0	8,437,760,000 $\frac{40,000}{8,899,474,227}$	99,999	44,497,171,137 $\frac{40,000}{44,497,371,137}$	0	42,188,800,000 $\frac{40,000}{44,497,371,137}$	0	42,188,800,000 $\frac{40,000}{44,497,371,137}$
417,792	10,444,800,000 $\frac{3 \cdot 125}{13,056}$	10,444,799,999 $\frac{9,931}{13,056}$	100,000 $\frac{40,000}{8,727,507,763}$	0	8,355,840,000 $\frac{40,000}{8,727,507,763}$	99,999	43,637,338,817 $\frac{40,000}{43,637,538,817}$	0	41,779,200,000 $\frac{40,000}{43,637,538,817}$	0	41,779,200,000 $\frac{40,000}{43,637,538,817}$
413,696	10,342,400,000 $\frac{3 \cdot 125}{12,928}$	10,342,399,999 $\frac{9,803}{12,928}$	100,000 $\frac{200,000}{42,786,095,103}$								

Viète's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM										7		
SERIES I.			SERIES II.			SERIES III.						
0	$\frac{40,960,000,000}{41,943,040,001}$	99,999	$\frac{41,942,840,001}{41,943,040,001}$	0	$\frac{40,960,000,000}{41,943,039,999}$	100,000	$\frac{200,000}{41,943,039,999}$	10,239,999,999	$\frac{387}{512}$	$\frac{125}{512}$	409,600	
0	$\frac{40,755,200,000}{41,524,658,177}$	99,999	$\frac{41,524,458,177}{41,524,658,177}$	0	$\frac{1,630,208,000}{1,660,986,327}$	100,000	$\frac{8,000}{1,660,986,327}$	10,188,799,999	$\frac{9,611}{12,736}$	$\frac{3,125}{12,736}$	407,552	
0	$\frac{8,110,080,000}{8,221,674,701}$	99,999	$\frac{8,221,634,701}{8,221,674,701}$	0	$\frac{40,550,400,000}{41,108,373,503}$	100,000	$\frac{200,000}{41,108,373,503}$	10,137,599,999	$\frac{9,547}{12,672}$	$\frac{3,125}{12,672}$	405,504	
0	$\frac{8,069,120,000}{8,138,837,197}$	99,999	$\frac{8,138,797,197}{8,138,837,197}$	0	$\frac{40,345,600,000}{40,694,185,983}$	100,000	$\frac{200,000}{40,694,185,983}$	10,086,399,999	$\frac{9,483}{12,608}$	$\frac{3,125}{12,608}$	403,456	
0	$\frac{40,140,800,000}{40,282,095,617}$	99,999	$\frac{40,281,895,617}{40,282,095,617}$	0	$\frac{8,028,160,000}{8,056,419,123}$	100,000	$\frac{40,000}{8,056,419,123}$	10,035,199,999	$\frac{9,419}{12,544}$	$\frac{3,125}{12,544}$	401,408	
1	$\frac{63,897,599}{39,872,102,401}$	99,999	$\frac{39,871,902,401}{39,872,102,401}$	1	$\frac{63,897,601}{39,872,102,399}$	100,000	$\frac{200,000}{39,872,102,399}$	9,983,999,999	$\frac{1,871}{2,496}$	$\frac{625}{2,496}$	399,360	
1	$\frac{266,993,663}{39,464,206,337}$	99,999	$\frac{39,464,006,337}{39,464,206,337}$	1	$\frac{53,398,733}{7,892,841,267}$	100,000	$\frac{40,000}{7,892,841,267}$	9,932,799,999	$\frac{9,291}{12,416}$	$\frac{3,125}{12,416}$	397,312	
1	$\frac{18,719,703}{1,562,336,297}$	99,999	$\frac{1,562,328,297}{1,562,336,297}$	1	$\frac{467,992,577}{39,058,407,423}$	100,000	$\frac{200,000}{39,058,407,423}$	9,881,599,999	$\frac{9,227}{12,352}$	$\frac{3,125}{12,352}$	395,264	
1	$\frac{133,378,867}{7,739,941,133}$	99,999	$\frac{7,739,901,133}{7,739,941,133}$	1	$\frac{666,894,337}{38,654,705,663}$	100,000	$\frac{200,000}{38,654,705,663}$	9,830,399,999	$\frac{9,163}{12,288}$	$\frac{3,125}{12,288}$	393,216	
1	$\frac{863,698,943}{38,253,101,057}$	99,999	$\frac{38,252,901,057}{38,253,101,057}$	1	$\frac{172,739,789}{7,650,620,211}$	100,000	$\frac{40,000}{7,650,620,211}$	9,779,199,999	$\frac{9,099}{12,224}$	$\frac{3,125}{12,224}$	391,168	
1	$\frac{1,058,406,399}{37,853,593,601}$	99,999	$\frac{37,853,393,601}{37,853,593,601}$	1	$\frac{1,058,406,401}{37,853,593,599}$	100,000	$\frac{200,000}{37,853,593,599}$	9,727,999,999	$\frac{1,807}{2,432}$	$\frac{625}{2,432}$	389,120	
1	$\frac{1,251,016,703}{37,456,183,297}$	99,999	$\frac{37,455,983,297}{37,456,183,297}$	1	$\frac{250,203,341}{7,491,236,659}$	100,000	$\frac{40,000}{7,491,236,659}$	9,676,799,999	$\frac{8,971}{12,096}$	$\frac{3,125}{12,096}$	387,072	
1	$\frac{288,305,971}{7,412,174,029}$	99,999	$\frac{7,412,134,029}{7,412,174,029}$	1	$\frac{1,441,529,857}{37,060,870,143}$	100,000	$\frac{200,000}{37,060,870,143}$	9,625,599,999	$\frac{8,907}{12,032}$	$\frac{3,125}{12,032}$	385,024	
1	$\frac{325,989,171}{7,333,530,829}$	99,999	$\frac{7,333,490,829}{7,333,530,829}$	1	$\frac{1,629,945,857}{36,667,654,143}$	100,000	$\frac{200,000}{36,667,654,143}$	9,574,399,999	$\frac{8,843}{11,968}$	$\frac{3,125}{11,968}$	382,976	
1	$\frac{1,816,264,703}{36,276,535,297}$	99,999	$\frac{36,276,335,297}{36,276,535,297}$	1	$\frac{363,252,941}{7,255,397,059}$	100,000	$\frac{40,000}{7,255,397,059}$	9,523,199,999	$\frac{8,779}{11,904}$	$\frac{3,125}{11,904}$	380,928	
1	$\frac{2,000,486,399}{35,887,513,601}$	99,999	$\frac{35,887,313,601}{35,887,513,601}$	1	$\frac{2,000,486,401}{35,887,513,599}$	100,000	$\frac{200,000}{35,887,513,599}$	9,471,999,999	$\frac{1,743}{2,368}$	$\frac{625}{2,368}$	378,880	
1	$\frac{2,182,610,943}{35,500,589,057}$	99,999	$\frac{35,500,389,057}{35,500,589,057}$	1	$\frac{436,522,189}{7,100,117,811}$	100,000	$\frac{40,000}{7,100,117,811}$	9,420,799,999	$\frac{8,651}{11,776}$	$\frac{3,125}{11,776}$	376,832	
1	$\frac{472,527,667}{7,023,152,333}$	99,999	$\frac{7,023,112,333}{7,023,152,333}$	1	$\frac{2,362,638,337}{35,115,761,663}$	100,000	$\frac{200,000}{35,115,761,663}$	9,369,599,999	$\frac{8,587}{11,712}$	$\frac{3,125}{11,712}$	374,784	
1	$\frac{101,622,743}{1,389,321,257}$	99,999	$\frac{1,389,313,257}{1,389,321,257}$	1	$\frac{2,540,568,577}{34,733,031,423}$	100,000	$\frac{200,000}{34,733,031,423}$	9,318,399,999	$\frac{8,523}{11,648}$	$\frac{3,125}{11,648}$	372,736	
1	$\frac{2,716,401,663}{34,352,398,337}$	99,999	$\frac{34,352,198,337}{34,352,398,337}$	1	$\frac{543,280,333}{6,870,479,667}$	100,000	$\frac{40,000}{6,870,479,667}$	9,267,199,999	$\frac{8,459}{11,584}$	$\frac{3,125}{11,584}$	370,688	
1	$\frac{2,890,137,599}{33,973,862,401}$	99,999	$\frac{33,973,662,401}{33,973,862,401}$	1	$\frac{2,890,137,601}{33,973,862,399}$	100,000	$\frac{200,000}{33,973,862,399}$	9,215,999,999	$\frac{1,679}{2,304}$	$\frac{625}{2,304}$	368,640	
1	$\frac{3,061,776,383}{33,597,423,617}$	99,999	$\frac{33,597,223,617}{33,597,423,617}$	1	$\frac{612,355,277}{6,719,484,723}$	100,000	$\frac{40,000}{6,719,484,723}$	9,164,799,999	$\frac{8,331}{11,456}$	$\frac{3,125}{11,456}$	366,592	
1	$\frac{646,263,603}{6,644,616,397}$	99,999	$\frac{6,644,576,397}{6,644,616,397}$	1	$\frac{3,231,318,017}{33,223,081,983}$	100,000	$\frac{200,000}{33,223,081,983}$	9,113,599,999	$\frac{8,267}{11,392}$	$\frac{3,125}{11,392}$	364,544	
1	$\frac{679,752,499}{6,570,167,501}$	99,999	$\frac{6,570,127,501}{6,570,167,501}$	1	$\frac{3,398,762,497}{32,850,837,503}$	100,000	$\frac{200,000}{32,850,837,503}$	9,062,399,999	$\frac{8,203}{11,328}$	$\frac{3,125}{11,328}$	362,496	
1	$\frac{3,564,109,823}{32,480,690,177}$	99,999	$\frac{32,480,490,177}{32,480,690,177}$	1	$\frac{142,564,393}{1,299,227,607}$	100,000	$\frac{8,000}{1,299,227,607}$	9,011,199,999	$\frac{8,139}{11,264}$	$\frac{3,125}{11,264}$	360,448	
1	$\frac{3,727,359,999}{32,112,640,001}$	99,999	$\frac{32,112,440,001}{32,112,640,001}$	1	$\frac{3,727,360,001}{32,112,639,999}$	100,000	$\frac{200,000}{32,112,639,999}$	8,959,999,999	$\frac{323}{448}$	$\frac{125}{448}$	358,400	
1	$\frac{3,888,513,023}{31,746,686,977}$	99,999	$\frac{31,746,486,977}{31,746,686,977}$	1	$\frac{155,540,521}{1,269,867,479}$	100,000	$\frac{8,000}{1,269,867,479}$	8,908,799,999	$\frac{8,011}{11,136}$	$\frac{3,125}{11,136}$	356,352	
1	$\frac{809,513,779}{6,276,566,221}$	99,999	$\frac{6,276,526,221}{6,276,566,221}$	1	$\frac{4,047,568,897}{31,382,831,103}$	100,000	$\frac{200,000}{31,382,831,103}$	8,857,599,999	$\frac{7,947}{11,072}$	$\frac{3,125}{11,072}$	354,304	
1	$\frac{840,905,523}{6,204,214,477}$	99,999	$\frac{6,204,174,477}{6,204,214,477}$	1	$\frac{4,204,527,617}{31,021,072,383}$	100,000	$\frac{200,000}{31,021,072,383}$	8,806,399,999	$\frac{7,883}{11,008}$	$\frac{3,125}{11,008}$	352,256	
1	$\frac{4,359,389,183}{30,661,410,817}$	99,999	$\frac{30,661,210,817}{30,661,410,817}$	1	$\frac{871,877,837}{6,132,282,163}$	100,000	$\frac{40,000}{6,132,282,163}$	8,755,199,999	$\frac{7,819}{10,944}$	$\frac{3,125}{10,944}$	350,208	
1	$\frac{4,512,153,599}{30,303,846,401}$	99,999	$\frac{30,303,646,401}{30,303,846,401}$	1	$\frac{4,512,153,601}{30,303,846,399}$	100,000	$\frac{200,000}{30,303,846,399}$	8,703,999,999	$\frac{1,551}{2,176}$	$\frac{625}{2,176}$	348,160	
1	$\frac{4,662,820,863}{29,948,379,137}$	99,999	$\frac{29,948,179,137}{29,948,379,137}$	1	$\frac{932,564,173}{5,989,675,827}$	100,000	$\frac{40,000}{5,989,675,827}$	8,652,799,999	$\frac{7,691}{10,816}$	$\frac{3,125}{10,816}$	346,112	
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		100,000		100,000		100,000		100,000		100,000		
Hypotenusa		Hypotenusa		Perpendicularum		Perpendicularum		Basis		Basis		

Viete's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

8 CANONION TRIANGVLORVM												
	<i>SERIES</i> III.				<i>SERIES</i> II.				<i>SERIES</i> I.			
344,064	8,601,600,000	$\frac{3.125}{10.752}$	8,601,599,999	$\frac{7.627}{10.752}$	100,000	$\frac{200.000}{29.595.009.023}$	1	$\frac{4.811.390.977}{29.595.009.023}$	99,999	$\frac{1.183.792.361}{1.183.800.361}$	1	$\frac{192.455.639}{1.183.800.361}$
342,016	8,550,400,000	$\frac{3.125}{10.688}$	8,550,399,999	$\frac{7.563}{10.688}$	100,000	$\frac{200.000}{29.243.736.063}$	1	$\frac{4.957.863.937}{29.243.736.063}$	99,999	$\frac{5.848.707.213}{5.848.747.213}$	1	$\frac{991.572.787}{5.848.747.213}$
339,968	8,499,200,000	$\frac{3.125}{10.624}$	8,499,199,999	$\frac{7.499}{10.624}$	100,000	$\frac{40.000}{5.778.912.051}$	1	$\frac{1.020.447.949}{5.778.912.051}$	99,999	$\frac{28.894.360.257}{28.894.560.257}$	1	$\frac{5.102.239.743}{28.894.560.257}$
337,920	8,448,000,000	$\frac{6.25}{2.112}$	8,447,999,999	$\frac{1.487}{2.112}$	100,000	$\frac{200.000}{28.547.481.599}$	1	$\frac{5.244.518.401}{28.547.481.599}$	99,999	$\frac{28.547.281.601}{28.547.481.601}$	1	$\frac{5.244.518.399}{28.547.481.601}$
335,872	8,396,800,000	$\frac{3.125}{10.496}$	8,396,799,999	$\frac{7.371}{10.496}$	100,000	$\frac{40.000}{5.640.500.019}$	1	$\frac{1.076.939.981}{5.640.500.019}$	99,999	$\frac{28.202.300.097}{28.202.500.097}$	1	$\frac{5.384.699.903}{28.202.500.097}$
333,824	8,345,600,000	$\frac{3.125}{10.432}$	8,345,599,999	$\frac{7.307}{10.432}$	100,000	$\frac{200.000}{27.859.615.743}$	1	$\frac{5.222.784.257}{27.859.615.743}$	99,999	$\frac{5.571.883.149}{5.571.923.149}$	1	$\frac{1.104.556.851}{5.571.923.149}$
331,776	8,294,400,000	$\frac{3.125}{10.368}$	8,294,399,999	$\frac{7.243}{10.368}$	100,000	$\frac{200.000}{27.518.828.543}$	1	$\frac{5.658.771.457}{27.518.828.543}$	99,999	$\frac{5.593.725.709}{5.593.765.709}$	1	$\frac{1.131.754.291}{5.593.765.709}$
329,728	8,243,200,000	$\frac{3.125}{10.304}$	8,243,199,999	$\frac{7.179}{10.304}$	100,000	$\frac{40.000}{5.436.027.699}$	1	$\frac{1.158.532.301}{5.436.027.699}$	99,999	$\frac{27.179.938.497}{27.180.138.497}$	1	$\frac{5.792.661.503}{27.180.138.497}$
327,680	8,192,000,000	$\frac{6.25}{2.048}$	8,191,999,999	$\frac{1.423}{2.048}$	100,000	$\frac{200.000}{26.843.545.599}$	1	$\frac{5.924.454.401}{26.843.545.599}$	99,999	$\frac{26.843.345.601}{26.843.545.601}$	1	$\frac{5.924.454.399}{26.843.545.601}$
325,632	8,140,800,000	$\frac{3.125}{10.176}$	8,140,799,999	$\frac{7.051}{10.176}$	100,000	$\frac{40.000}{5.301.809.971}$	1	$\frac{1.210.830.029}{5.301.809.971}$	99,999	$\frac{26.508.849.857}{26.509.049.857}$	1	$\frac{6.054.150.143}{26.509.049.857}$
323,584	8,089,600,000	$\frac{3.125}{10.112}$	8,089,599,999	$\frac{6.987}{10.112}$	100,000	$\frac{200.000}{26.176.651.263}$	1	$\frac{6.181.748.737}{26.176.651.263}$	99,999	$\frac{5.235.290.253}{5.235.330.253}$	1	$\frac{1.236.349.747}{5.235.330.253}$
321,536	8,038,400,000	$\frac{3.125}{10.048}$	8,038,399,999	$\frac{6.923}{10.048}$	100,000	$\frac{200.000}{25.846.349.823}$	1	$\frac{6.307.250.177}{25.846.349.823}$	99,999	$\frac{1.033.845.993}{1.033.853.993}$	1	$\frac{252.290.007}{1.033.853.993}$
319,488	7,987,200,000	$\frac{3.125}{9.984}$	7,987,199,999	$\frac{6.859}{9.984}$	100,000	$\frac{40.000}{5.103.629.107}$	1	$\frac{1.286.130.893}{5.103.629.107}$	99,999	$\frac{25.517.945.537}{25.518.145.537}$	1	$\frac{6.430.654.463}{25.518.145.537}$
317,440	7,936,000,000	$\frac{6.25}{1.984}$	7,935,999,999	$\frac{1.359}{1.984}$	100,000	$\frac{200.000}{25.192.038.399}$	1	$\frac{6.551.961.601}{25.192.038.399}$	99,999	$\frac{25.191.838.401}{25.192.038.401}$	1	$\frac{6.551.961.599}{25.192.038.401}$
315,392	7,884,800,000	$\frac{3.125}{9.856}$	7,884,799,999	$\frac{6.731}{9.856}$	100,000	$\frac{40.000}{4.973.605.683}$	1	$\frac{1.334.234.317}{4.973.605.683}$	99,999	$\frac{24.868.828.417}{24.868.028.417}$	1	$\frac{6.671.171.583}{24.868.028.417}$
313,344	7,833,600,000	$\frac{3.125}{9.792}$	7,833,599,999	$\frac{6.667}{9.792}$	100,000	$\frac{200.000}{24.546.115.583}$	1	$\frac{6.788.284.417}{24.546.115.583}$	99,999	$\frac{4.909.183.117}{4.909.223.117}$	1	$\frac{1.357.656.883}{4.909.223.117}$
311,296	7,782,400,000	$\frac{3.125}{9.728}$	7,782,399,999	$\frac{6.603}{9.728}$	100,000	$\frac{200.000}{24.226.299.903}$	1	$\frac{6.903.300.097}{24.226.299.903}$	99,999	$\frac{4.845.219.981}{4.845.259.981}$	1	$\frac{1.380.660.019}{4.845.259.981}$
309,248	7,731,200,000	$\frac{3.125}{9.664}$	7,731,199,999	$\frac{6.539}{9.664}$	100,000	$\frac{1.600}{191.268.651}$	1	$\frac{5.6129.749}{191.268.651}$	99,999	$\frac{23.908.381.377}{23.908.581.377}$	1	$\frac{7.016.218.623}{23.908.581.377}$
307,200	7,680,000,000	$\frac{1.25}{384}$	7,679,999,999	$\frac{259}{384}$	100,000	$\frac{200.000}{23.592.959.999}$	1	$\frac{7.127.040.001}{23.592.959.999}$	99,999	$\frac{23.592.760.001}{23.592.960.001}$	1	$\frac{7.127.039.999}{23.592.960.001}$
305,152	7,628,800,000	$\frac{3.125}{9.536}$	7,628,799,999	$\frac{6.411}{9.536}$	100,000	$\frac{8.000}{931.177.431}$	1	$\frac{289.430.569}{931.177.431}$	99,999	$\frac{23.279.235.777}{23.279.435.777}$	1	$\frac{7.235.764.223}{23.279.435.777}$
303,104	7,577,600,000	$\frac{3.125}{9.472}$	7,577,599,999	$\frac{6.347}{9.472}$	100,000	$\frac{200.000}{22.968.008.703}$	1	$\frac{7.342.391.297}{22.968.008.703}$	99,999	$\frac{4.593.561.741}{4.593.601.741}$	1	$\frac{1.468.478.259}{4.593.601.741}$
301,056	7,526,400,000	$\frac{3.125}{9.408}$	7,526,399,999	$\frac{6.283}{9.408}$	100,000	$\frac{200.000}{22.658.678.783}$	1	$\frac{7.446.921.217}{22.658.678.783}$	99,999	$\frac{4.531.695.757}{4.531.735.757}$	1	$\frac{1.489.384.243}{4.531.735.757}$
299,008	7,475,200,000	$\frac{3.125}{9.344}$	7,475,199,999	$\frac{6.219}{9.344}$	100,000	$\frac{40.000}{4.470.289.203}$	1	$\frac{1.599.870.797}{4.470.289.203}$	99,999	$\frac{22.351.246.017}{22.351.446.017}$	1	$\frac{7.549.353.983}{22.351.446.017}$
296,960	7,424,000,000	$\frac{6.25}{1.856}$	7,423,999,999	$\frac{1.231}{1.856}$	100,000	$\frac{200.000}{22.046.310.399}$	1	$\frac{7.649.689.601}{22.046.310.399}$	99,999	$\frac{22.046.110.401}{22.046.310.401}$	1	$\frac{7.649.689.599}{22.046.310.401}$
294,912	7,372,800,000	$\frac{3.125}{9.216}$	7,372,799,999	$\frac{6.091}{9.216}$	100,000	$\frac{40.000}{4.348.654.387}$	1	$\frac{1.549.585.613}{4.348.654.387}$	99,999	$\frac{21.743.071.937}{21.743.271.937}$	1	$\frac{7.747.928.063}{21.743.271.937}$
292,864	7,321,600,000	$\frac{3.125}{9.152}$	7,321,599,999	$\frac{6.027}{9.152}$	100,000	$\frac{200.000}{21.442.330.623}$	1	$\frac{7.844.069.377}{21.442.330.623}$	99,999	$\frac{34.307.409}{34.307.729}$	1	$\frac{12.550.511}{34.307.729}$
290,816	7,270,400,000	$\frac{3.125}{9.088}$	7,270,399,999	$\frac{5.963}{9.088}$	100,000	$\frac{200.000}{21.143.486.463}$	1	$\frac{7.938.113.537}{21.143.486.463}$	99,999	$\frac{4.228.657.293}{4.228.697.293}$	1	$\frac{1.587.622.707}{4.228.697.293}$
288,768	7,219,200,000	$\frac{3.125}{9.024}$	7,219,199,999	$\frac{5.899}{9.024}$	100,000	$\frac{40.000}{4.169.347.891}$	1	$\frac{1.606.012.109}{4.169.347.891}$	99,999	$\frac{20.846.539.457}{20.846.739.457}$	1	$\frac{8.030.060.543}{20.846.739.457}$
286,720	7,168,000,000	$\frac{6.25}{1.792}$	7,167,999,999	$\frac{1.167}{1.792}$	100,000	$\frac{200.000}{20.552.089.599}$	1	$\frac{8.119.910.401}{20.552.089.599}$	99,999	$\frac{20.551.889.601}{20.552.089.601}$	1	$\frac{8.119.910.399}{20.552.089.601}$
284,672	7,116,800,000	$\frac{3.125}{8.896}$	7,116,799,999	$\frac{5.771}{8.896}$	100,000	$\frac{40.000}{4.051.907.379}$	1	$\frac{1.641.532.621}{4.051.907.379}$	99,999	$\frac{20.259.336.897}{20.259.536.897}$	1	$\frac{8.207.663.103}{20.259.536.897}$
282,624	7,065,600,000	$\frac{3.125}{8.832}$	7,065,599,999	$\frac{5.707}{8.832}$	100,000	$\frac{200.000}{19.969.081.343}$	1	$\frac{8.293.318.657}{19.969.081.343}$	99,999	$\frac{3.993.776.269}{3.993.816.269}$	1	$\frac{1.658.663.731}{3.993.816.269}$
280,576	7,014,400,000	$\frac{3.125}{8.768}$	7,014,399,999	$\frac{5.643}{8.768}$	100,000	$\frac{200.000}{19.680.722.943}$	1	$\frac{8.376.877.057}{19.680.722.943}$	99,999	$\frac{3.936.104.589}{3.936.144.589}$	1	$\frac{1.675.375.411}{3.936.144.589}$
278,528	6,963,200,000	$\frac{3.125}{8.704}$	6,963,199,999	$\frac{5.579}{8.704}$	100,000	$\frac{40.000}{3.878.892.339}$	1	$\frac{1.691.667.661}{3.878.892.339}$	99,999	$\frac{19.394.261.697}{19.394.461.697}$	1	$\frac{8.458.338.303}{19.394.461.697}$
276,480	6,912,000,000	$\frac{6.25}{1.728}$	6,911,999,999	$\frac{1.103}{1.728}$	100,000	$\frac{200.000}{19.110.297.599}$	1	$\frac{8.537.702.401}{19.110.297.599}$	99,999	$\frac{19.110.097.601}{19.110.297.601}$	1	$\frac{8.537.702.399}{19.110.297.601}$
Numeri primi Baseos	<i>Hypotenusa</i> 100,000 Basis	<i>Perpendicularum</i>	<i>Hypotenusa</i> 100,000 Perpendicularum	<i>Basis</i>	<i>Hypotenusa</i> 100,000 Basis	<i>Perpendicularum</i> 100,000 Hypotenusa		<i>Basis</i>	<i>Perpendicularum</i> 100,000 Hypotenusa	<i>Basis</i>		<i>Basis</i>

LATERVM RATIONALIVM											9	
<i>SERIES</i> I.				<i>SERIES</i> II.				<i>SERIES</i> III.				
1	$\frac{8,614,969,343}{18,828,230,657}$	99,999	$\frac{18,828,030,657}{18,828,230,657}$	1	$\frac{1,722,993,869}{3,765,646,131}$	100,000	$\frac{40,000}{3,765,646,131}$	6,860,799,999	$\frac{5,451}{8,576}$	$\frac{6,860,800,000}{8,576}$	$\frac{3,125}{8,576}$	274,432
1	$\frac{1,738,027,827}{3,709,652,173}$	99,999	$\frac{3,709,612,173}{3,709,652,173}$	1	$\frac{8,690,139,137}{18,548,260,863}$	100,000	$\frac{200,000}{18,548,260,863}$	6,809,599,999	$\frac{5,387}{8,512}$	$\frac{6,809,600,000}{8,512}$	$\frac{3,125}{8,512}$	272,384
1	$\frac{359,528,471}{730,815,529}$	99,999	$\frac{730,807,529}{730,815,529}$	1	$\frac{8,763,211,777}{18,270,388,223}$	100,000	$\frac{200,000}{18,270,388,223}$	6,758,399,999	$\frac{5,323}{8,448}$	$\frac{6,758,400,000}{8,448}$	$\frac{3,125}{8,448}$	270,336
1	$\frac{8,834,187,263}{17,994,612,737}$	99,999	$\frac{17,994,412,737}{17,994,612,737}$	1	$\frac{1,766,837,453}{3,598,922,547}$	100,000	$\frac{40,000}{3,598,922,547}$	6,707,199,999	$\frac{5,259}{8,384}$	$\frac{6,707,200,000}{8,384}$	$\frac{3,125}{8,384}$	268,288
1	$\frac{8,903,065,599}{17,720,934,401}$	99,999	$\frac{17,720,734,401}{17,720,934,401}$	1	$\frac{8,903,065,601}{17,720,934,399}$	100,000	$\frac{200,000}{17,720,934,399}$	6,655,999,999	$\frac{1,039}{1,664}$	$\frac{6,656,000,000}{1,664}$	$\frac{625}{1,664}$	266,240
1	$\frac{8,969,846,783}{17,449,353,217}$	99,999	$\frac{17,449,153,217}{17,449,353,217}$	1	$\frac{1,793,969,357}{3,489,870,643}$	100,000	$\frac{40,000}{3,489,870,643}$	6,604,799,999	$\frac{5,131}{8,256}$	$\frac{6,604,800,000}{8,256}$	$\frac{3,125}{8,256}$	264,192
1	$\frac{1,806,906,163}{3,435,973,837}$	99,999	$\frac{3,435,933,837}{3,435,973,837}$	1	$\frac{9,034,530,817}{17,179,869,183}$	100,000	$\frac{200,000}{17,179,869,183}$	6,553,599,999	$\frac{5,067}{8,192}$	$\frac{6,553,600,000}{8,192}$	$\frac{3,125}{8,192}$	262,144
1	$\frac{1,819,423,539}{3,382,496,461}$	99,999	$\frac{3,382,456,461}{3,382,496,461}$	1	$\frac{9,097,117,697}{16,912,482,303}$	100,000	$\frac{200,000}{16,912,482,303}$	6,502,399,999	$\frac{5,003}{8,128}$	$\frac{6,502,400,000}{8,128}$	$\frac{3,125}{8,128}$	260,096
1	$\frac{9,157,607,423}{16,647,192,577}$	99,999	$\frac{16,646,092,577}{16,647,192,577}$	1	$\frac{366,304,297}{665,887,703}$	100,000	$\frac{8,000}{665,887,703}$	6,451,199,999	$\frac{4,939}{8,064}$	$\frac{6,451,200,000}{8,064}$	$\frac{3,125}{8,064}$	258,048
1	$\frac{9,215,999,999}{16,384,000,001}$	99,999	$\frac{16,383,800,001}{16,384,000,001}$	1	$\frac{9,215,000,001}{16,383,999,999}$	100,000	$\frac{200,000}{16,383,999,999}$	6,399,999,999	$\frac{39}{64}$	$\frac{6,400,000,000}{64}$	$\frac{25}{64}$	256,000
1	$\frac{9,272,295,423}{16,122,904,577}$	99,999	$\frac{16,122,704,577}{16,122,904,577}$	1	$\frac{370,891,817}{644,916,183}$	100,000	$\frac{8,000}{644,916,183}$	6,348,799,999	$\frac{4,811}{7,936}$	$\frac{6,348,800,000}{7,936}$	$\frac{3,125}{7,936}$	253,952
1	$\frac{1,865,298,739}{3,172,781,261}$	99,999	$\frac{3,172,741,261}{3,172,781,261}$	1	$\frac{9,326,493,697}{15,863,906,303}$	100,000	$\frac{200,000}{15,863,906,303}$	6,297,599,999	$\frac{4,747}{7,872}$	$\frac{6,297,600,000}{7,872}$	$\frac{3,125}{7,872}$	251,904
1	$\frac{1,875,718,963}{3,121,401,037}$	99,999	$\frac{3,121,361,037}{3,121,401,037}$	1	$\frac{9,378,594,817}{15,607,005,183}$	100,000	$\frac{200,000}{15,607,005,183}$	6,246,399,999	$\frac{4,683}{7,808}$	$\frac{6,246,400,000}{7,808}$	$\frac{3,125}{7,808}$	249,856
1	$\frac{9,428,598,783}{15,352,201,217}$	99,999	$\frac{15,352,001,217}{15,352,201,217}$	1	$\frac{1,885,719,757}{3,070,440,243}$	100,000	$\frac{40,000}{3,070,440,243}$	6,195,199,999	$\frac{4,619}{7,744}$	$\frac{6,195,200,000}{7,744}$	$\frac{3,125}{7,744}$	247,808
1	$\frac{9,476,505,599}{15,099,494,401}$	99,999	$\frac{15,099,294,401}{15,099,494,401}$	1	$\frac{9,476,505,601}{15,099,494,399}$	100,000	$\frac{200,000}{15,099,494,399}$	6,143,999,999	$\frac{911}{1,536}$	$\frac{6,144,000,000}{1,536}$	$\frac{625}{1,536}$	245,760
1	$\frac{9,522,315,263}{14,848,884,737}$	99,999	$\frac{14,848,684,737}{14,848,884,737}$	1	$\frac{1,904,463,053}{2,969,776,947}$	100,000	$\frac{40,000}{2,969,776,947}$	6,092,799,999	$\frac{4,491}{7,616}$	$\frac{6,092,800,000}{7,616}$	$\frac{3,125}{7,616}$	243,712
1	$\frac{382,641,111}{584,014,889}$	99,999	$\frac{584,006,889}{584,014,889}$	1	$\frac{9,566,027,777}{14,600,372,223}$	100,000	$\frac{200,000}{14,600,372,223}$	6,041,599,999	$\frac{4,427}{7,552}$	$\frac{6,041,600,000}{7,552}$	$\frac{3,125}{7,552}$	241,664
1	$\frac{1,921,528,627}{2,879,791,373}$	99,999	$\frac{2,879,751,373}{2,879,791,373}$	1	$\frac{9,607,643,137}{14,353,956,863}$	100,000	$\frac{200,000}{14,353,956,863}$	5,990,399,999	$\frac{4,363}{7,488}$	$\frac{5,990,400,000}{7,488}$	$\frac{3,125}{7,488}$	239,616
1	$\frac{9,647,161,343}{14,109,638,657}$	99,999	$\frac{14,109,438,657}{14,109,638,657}$	1	$\frac{1,929,432,269}{2,821,927,731}$	100,000	$\frac{40,000}{2,821,927,731}$	5,939,199,999	$\frac{4,299}{7,424}$	$\frac{5,939,200,000}{7,424}$	$\frac{3,125}{7,424}$	237,568
1	$\frac{9,684,582,399}{13,867,417,601}$	99,999	$\frac{13,867,217,601}{13,867,417,601}$	1	$\frac{9,684,582,401}{13,867,417,599}$	100,000	$\frac{200,000}{13,867,417,599}$	5,887,999,999	$\frac{847}{1,472}$	$\frac{5,888,000,000}{1,472}$	$\frac{625}{1,472}$	235,520
1	$\frac{9,719,906,393}{13,627,293,697}$	99,999	$\frac{13,627,093,697}{13,627,293,697}$	1	$\frac{1,943,981,261}{2,725,458,739}$	100,000	$\frac{40,000}{2,725,458,739}$	5,836,799,999	$\frac{4,171}{7,296}$	$\frac{5,836,800,000}{7,296}$	$\frac{3,125}{7,296}$	233,472
1	$\frac{1,950,626,611}{2,677,853,389}$	99,999	$\frac{2,677,813,389}{2,677,853,389}$	1	$\frac{9,753,133,057}{13,389,266,943}$	100,000	$\frac{200,000}{13,389,266,943}$	5,785,599,999	$\frac{4,107}{7,232}$	$\frac{5,785,600,000}{7,232}$	$\frac{3,125}{7,232}$	231,424
1	$\frac{1,956,852,531}{2,630,667,469}$	99,999	$\frac{2,630,627,469}{2,630,667,469}$	1	$\frac{9,784,262,657}{13,153,337,343}$	100,000	$\frac{200,000}{13,153,337,343}$	5,734,399,999	$\frac{4,043}{7,168}$	$\frac{5,734,400,000}{7,168}$	$\frac{3,125}{7,168}$	229,376
1	$\frac{9,813,295,103}{12,919,504,897}$	99,999	$\frac{12,919,304,897}{12,919,504,897}$	1	$\frac{1,962,659,021}{2,583,900,979}$	100,000	$\frac{40,000}{2,583,900,979}$	5,683,199,999	$\frac{3,979}{7,104}$	$\frac{5,683,200,000}{7,104}$	$\frac{3,125}{7,104}$	227,328
1	$\frac{9,840,230,399}{12,687,769,601}$	99,999	$\frac{12,687,569,601}{12,687,769,601}$	1	$\frac{9,840,230,401}{12,687,769,599}$	100,000	$\frac{200,000}{12,687,769,599}$	5,631,999,999	$\frac{783}{1,408}$	$\frac{5,632,000,000}{1,408}$	$\frac{625}{1,408}$	225,280
1	$\frac{9,865,068,543}{12,458,131,457}$	99,999	$\frac{12,457,931,457}{12,458,131,457}$	1	$\frac{1,973,013,709}{2,491,626,291}$	100,000	$\frac{40,000}{2,491,626,291}$	5,580,799,999	$\frac{3,851}{6,976}$	$\frac{5,580,800,000}{6,976}$	$\frac{3,125}{6,976}$	223,232
1	$\frac{1,977,561,907}{2,446,118,093}$	99,999	$\frac{2,446,078,093}{2,446,118,093}$	1	$\frac{9,887,809,537}{12,230,590,463}$	100,000	$\frac{200,000}{12,230,590,463}$	5,529,599,999	$\frac{3,787}{6,912}$	$\frac{5,529,600,000}{6,912}$	$\frac{3,125}{6,912}$	221,184
1	$\frac{79,267,627}{96,041,173}$	99,999	$\frac{96,039,573}{96,041,173}$	1	$\frac{9,908,453,377}{12,005,146,623}$	100,000	$\frac{200,000}{12,005,146,623}$	5,478,399,999	$\frac{3,723}{6,848}$	$\frac{5,478,400,000}{6,848}$	$\frac{3,125}{6,848}$	219,136
1	$\frac{9,927,000,063}{11,781,799,937}$	99,999	$\frac{11,781,599,937}{11,781,799,937}$	1	$\frac{1,985,400,013}{2,356,359,987}$	100,000	$\frac{40,000}{2,356,359,987}$	5,427,199,999	$\frac{3,659}{6,784}$	$\frac{5,427,200,000}{6,784}$	$\frac{3,125}{6,784}$	217,088
1	$\frac{9,943,449,599}{11,560,550,401}$	99,999	$\frac{11,560,350,401}{11,560,550,401}$	1	$\frac{9,943,449,601}{11,560,550,399}$	100,000	$\frac{200,000}{11,560,550,399}$	5,375,999,999	$\frac{719}{1,344}$	$\frac{5,376,000,000}{1,344}$	$\frac{625}{1,344}$	215,040
1	$\frac{9,957,801,983}{11,341,398,017}$	99,999	$\frac{11,341,198,017}{11,341,398,017}$	1	$\frac{1,991,560,397}{2,268,279,603}$	100,000	$\frac{40,000}{2,268,279,603}$	5,324,799,999	$\frac{3,531}{6,656}$	$\frac{5,324,800,000}{6,656}$	$\frac{3,125}{6,656}$	212,992
1	$\frac{1,994,011,443}{2,224,868,557}$	99,999	$\frac{2,224,828,557}{2,224,868,557}$	1	$\frac{9,970,057,217}{11,124,342,783}$	100,000	$\frac{200,000}{11,124,342,783}$	5,273,599,999	$\frac{3,467}{6,592}$	$\frac{5,273,600,000}{6,592}$	$\frac{3,125}{6,592}$	210,944
1	$\frac{1,996,043,059}{2,181,876,941}$	99,999	$\frac{2,181,836,941}{2,181,876,941}$	1	$\frac{9,980,215,297}{10,909,384,703}$	100,000	$\frac{200,000}{10,909,384,703}$	5,222,399,999	$\frac{3,403}{6,528}$	$\frac{5,222,400,000}{6,528}$	$\frac{3,125}{6,528}$	208,896
1	$\frac{9,988,276,223}{10,696,523,777}$	99,999	$\frac{10,696,323,777}{10,696,523,777}$	1	$\frac{399,531,049}{427,860,951}$	100,000	$\frac{8,000}{427,860,951}$	5,171,199,999	$\frac{3,339}{6,464}$	$\frac{5,171,200,000}{6,464}$	$\frac{3,125}{6,464}$	206,848
<i>Basis</i>			<i>Perpendicularum</i>			<i>Basis</i>			<i>Hypotenusa</i>			<i>Numeri primi Baseos</i>
100,000			100,000			100,000			100,000			
Hypotenusa			Perpendicularum			Perpendicularum			Hypotenusa			

Viète's Canon mathematicus : Canonium triangulorum (1579) (reconstruction, D. Roegel, 2011)

CANONION TRIANGVLORVM												
10	SERIES III.			SERIES II.			SERIES I.					
204,800	5,120,000,000	$\frac{125}{256}$	5,119,999,999	$\frac{131}{256}$	100,000	$\frac{200,000}{10,485,759,999}$	1	$\frac{9,994,240,001}{10,485,759,999}$	99,999	$\frac{10,485,560,001}{10,485,760,001}$	1	$\frac{9,994,239,999}{10,485,760,001}$
203,776	5,094,400,000	$\frac{3,125}{6,368}$	5,094,399,999	$\frac{3,243}{6,368}$	100,000	$\frac{200,000}{10,381,164,543}$	1	$\frac{9,996,435,457}{10,381,164,543}$	99,999	$\frac{2,076,192,909}{2,076,232,909}$	1	$\frac{1,999,287,091}{2,076,232,909}$
202,752	5,068,800,000	$\frac{3,125}{6,336}$	5,068,799,999	$\frac{3,211}{6,336}$	100,000	$\frac{1,600}{82,216,747}$	1	$\frac{79,984,853}{82,216,747}$	99,999	$\frac{10,276,893,377}{10,277,093,377}$	1	$\frac{9,998,106,623}{10,277,093,377}$
201,728	5,043,200,000	$\frac{3,125}{6,304}$	5,043,199,999	$\frac{3,179}{6,304}$	100,000	$\frac{40,000}{2,034,709,299}$	1	$\frac{1,999,850,701}{2,034,709,299}$	99,999	$\frac{10,173,346,497}{10,173,546,497}$	1	$\frac{9,999,253,503}{10,173,546,497}$
200,704	5,017,600,000	$\frac{3,125}{6,272}$	5,017,599,999	$\frac{3,147}{6,272}$	100,000	$\frac{200,000}{10,070,523,903}$	1	$\frac{9,999,876,097}{10,070,523,903}$	99,999	$\frac{2,014,064,781}{2,014,104,781}$	1	$\frac{1,999,975,219}{2,014,104,781}$
199,680	4,992,000,000	$\frac{625}{1,248}$	4,991,999,999	$\frac{623}{1,248}$	100,000	$\frac{200,000}{9,968,025,599}$	2	$\frac{31,948,802}{9,968,025,599}$	99,999	$\frac{9,967,825,601}{9,968,025,601}$	2	$\frac{31,948,798}{9,968,025,601}$
198,656	4,966,400,000	$\frac{3,125}{6,208}$	4,966,399,999	$\frac{3,083}{6,208}$	100,000	$\frac{200,000}{9,866,051,583}$	2	$\frac{133,496,834}{9,866,051,583}$	99,999	$\frac{1,973,170,317}{1,973,210,317}$	2	$\frac{26,699,366}{1,973,210,317}$
197,632	4,940,800,000	$\frac{3,125}{6,176}$	4,940,799,999	$\frac{3,051}{6,176}$	100,000	$\frac{40,000}{1,952,920,371}$	2	$\frac{46,799,258}{1,952,920,371}$	99,999	$\frac{9,764,401,857}{9,764,601,857}$	2	$\frac{233,996,286}{9,764,601,857}$
196,608	4,915,200,000	$\frac{3,125}{6,144}$	4,915,199,999	$\frac{3,019}{6,144}$	100,000	$\frac{40,000}{1,932,735,283}$	2	$\frac{66,689,434}{1,932,735,283}$	99,999	$\frac{9,663,476,417}{9,663,676,417}$	2	$\frac{333,447,166}{9,663,676,417}$
195,584	4,889,600,000	$\frac{3,125}{6,112}$	4,889,599,999	$\frac{2,987}{6,112}$	100,000	$\frac{200,000}{9,563,275,263}$	2	$\frac{431,849,474}{9,563,275,263}$	99,999	$\frac{1,912,615,053}{1,912,815,053}$	2	$\frac{86,369,894}{1,912,815,053}$
194,560	4,864,000,000	$\frac{625}{1,216}$	4,863,999,999	$\frac{591}{1,216}$	100,000	$\frac{200,000}{9,463,398,399}$	2	$\frac{529,203,202}{9,463,398,399}$	99,999	$\frac{9,463,198,401}{9,463,398,401}$	2	$\frac{529,203,198}{9,463,398,401}$
193,536	4,838,400,000	$\frac{3,125}{6,048}$	4,838,399,999	$\frac{2,923}{6,048}$	100,000	$\frac{200,000}{9,364,045,823}$	2	$\frac{625,508,354}{9,364,045,823}$	99,999	$\frac{374,553,833}{374,561,833}$	2	$\frac{25,020,334}{374,561,833}$
192,512	4,812,800,000	$\frac{3,125}{6,016}$	4,812,799,999	$\frac{2,891}{6,016}$	100,000	$\frac{40,000}{1,853,043,507}$	2	$\frac{144,152,986}{1,853,043,507}$	99,999	$\frac{9,265,017,537}{9,265,217,537}$	2	$\frac{720,764,926}{9,265,217,537}$
191,488	4,787,200,000	$\frac{3,125}{5,984}$	4,787,199,999	$\frac{2,859}{5,984}$	100,000	$\frac{40,000}{1,833,382,707}$	2	$\frac{162,994,586}{1,833,382,707}$	99,999	$\frac{9,166,713,537}{9,166,913,537}$	2	$\frac{814,972,926}{9,166,913,537}$
190,464	4,761,600,000	$\frac{3,125}{5,952}$	4,761,599,999	$\frac{2,827}{5,952}$	100,000	$\frac{200,000}{9,069,133,823}$	2	$\frac{908,132,354}{9,069,133,823}$	99,999	$\frac{362,757,353}{362,765,353}$	2	$\frac{36,325,294}{362,765,353}$
189,440	4,736,000,000	$\frac{625}{1,184}$	4,735,999,999	$\frac{559}{1,184}$	100,000	$\frac{200,000}{8,971,878,399}$	2	$\frac{1,000,243,202}{8,971,878,399}$	99,999	$\frac{8,971,678,401}{8,971,878,401}$	2	$\frac{1,000,243,198}{8,971,878,401}$
188,416	4,710,400,000	$\frac{3,125}{5,888}$	4,710,399,999	$\frac{2,763}{5,888}$	100,000	$\frac{200,000}{8,875,147,263}$	2	$\frac{1,091,305,474}{8,875,147,263}$	99,999	$\frac{1,774,984,453}{1,775,029,453}$	2	$\frac{218,261,094}{1,775,029,453}$
187,392	4,684,800,000	$\frac{3,125}{5,856}$	4,684,799,999	$\frac{2,731}{5,856}$	100,000	$\frac{40,000}{1,755,788,083}$	2	$\frac{236,263,834}{1,755,788,083}$	99,999	$\frac{8,778,740,417}{8,778,940,417}$	2	$\frac{1,181,319,166}{8,778,940,417}$
186,368	4,659,200,000	$\frac{3,125}{5,824}$	4,659,199,999	$\frac{2,699}{5,824}$	100,000	$\frac{40,000}{1,736,651,571}$	2	$\frac{254,056,858}{1,736,651,571}$	99,999	$\frac{8,683,057,857}{8,683,257,857}$	2	$\frac{1,270,284,286}{8,683,257,857}$
185,344	4,633,600,000	$\frac{3,125}{5,792}$	4,633,599,999	$\frac{2,667}{5,792}$	100,000	$\frac{200,000}{8,588,099,583}$	2	$\frac{1,358,200,834}{8,588,099,583}$	99,999	$\frac{1,717,579,917}{1,717,619,917}$	2	$\frac{271,640,166}{1,717,619,917}$
184,320	4,608,000,000	$\frac{625}{1,152}$	4,607,999,999	$\frac{527}{1,152}$	100,000	$\frac{200,000}{8,493,465,599}$	2	$\frac{1,445,068,802}{8,493,465,599}$	99,999	$\frac{8,493,265,601}{8,493,465,601}$	2	$\frac{1,445,068,798}{8,493,465,601}$
183,296	4,582,400,000	$\frac{3,125}{5,728}$	4,582,399,999	$\frac{2,603}{5,728}$	100,000	$\frac{200,000}{8,399,355,903}$	2	$\frac{1,530,888,194}{8,399,355,903}$	99,999	$\frac{1,679,831,181}{1,679,871,181}$	2	$\frac{306,177,638}{1,679,871,181}$
182,272	4,556,800,000	$\frac{3,125}{5,696}$	4,556,799,999	$\frac{2,571}{5,696}$	100,000	$\frac{40,000}{1,661,154,099}$	2	$\frac{323,131,802}{1,661,154,099}$	99,999	$\frac{8,305,570,497}{8,305,770,497}$	2	$\frac{1,615,659,006}{8,305,770,497}$
181,248	4,531,200,000	$\frac{3,125}{5,664}$	4,531,199,999	$\frac{2,539}{5,664}$	100,000	$\frac{64}{2,628,067}$	2	$\frac{543,802}{2,628,067}$	99,999	$\frac{8,212,509,377}{8,212,709,377}$	2	$\frac{1,699,381,246}{8,212,709,377}$
180,224	4,505,600,000	$\frac{3,125}{5,632}$	4,505,599,999	$\frac{2,507}{5,632}$	100,000	$\frac{200,000}{8,120,172,543}$	2	$\frac{1,782,054,914}{8,120,172,543}$	99,999	$\frac{1,623,994,509}{1,624,034,509}$	2	$\frac{356,410,982}{1,624,034,509}$
179,200	4,480,000,000	$\frac{125}{224}$	4,479,999,999	$\frac{99}{224}$	100,000	$\frac{200,000}{8,028,159,999}$	2	$\frac{1,863,680,002}{8,028,159,999}$	99,999	$\frac{8,027,960,001}{8,028,160,001}$	2	$\frac{1,863,679,998}{8,028,160,001}$
178,176	4,454,400,000	$\frac{3,125}{5,568}$	4,454,399,999	$\frac{2,443}{5,568}$	100,000	$\frac{200,000}{7,936,671,743}$	2	$\frac{1,944,256,514}{7,936,671,743}$	99,999	$\frac{1,587,294,349}{1,587,334,349}$	2	$\frac{388,851,302}{1,587,334,349}$
177,152	4,428,800,000	$\frac{3,125}{5,536}$	4,428,799,999	$\frac{2,411}{5,536}$	100,000	$\frac{8,000}{313,828,311}$	2	$\frac{80,951,378}{313,828,311}$	99,999	$\frac{7,845,507,777}{7,845,707,777}$	2	$\frac{2,023,784,446}{7,845,707,777}$
176,128	4,403,200,000	$\frac{3,125}{5,504}$	4,403,199,999	$\frac{2,379}{5,504}$	100,000	$\frac{40,000}{1,551,053,619}$	2	$\frac{420,452,762}{1,551,053,619}$	99,999	$\frac{7,755,068,097}{7,755,268,097}$	2	$\frac{2,102,263,806}{7,755,268,097}$
175,104	4,377,600,000	$\frac{3,125}{5,472}$	4,377,599,999	$\frac{2,347}{5,472}$	100,000	$\frac{200,000}{7,665,352,703}$	2	$\frac{2,179,694,594}{7,665,352,703}$	99,999	$\frac{1,533,030,541}{1,533,070,541}$	2	$\frac{435,938,918}{1,533,070,541}$
174,080	4,352,000,000	$\frac{625}{1,088}$	4,351,999,999	$\frac{463}{1,088}$	100,000	$\frac{200,000}{7,575,961,599}$	2	$\frac{2,256,076,802}{7,575,961,599}$	99,999	$\frac{7,575,761,601}{7,575,961,601}$	2	$\frac{2,256,076,798}{7,575,961,601}$
173,056	4,326,400,000	$\frac{3,125}{5,408}$	4,326,399,999	$\frac{2,283}{5,408}$	100,000	$\frac{200,000}{7,487,094,783}$	2	$\frac{2,331,410,434}{7,487,094,783}$	99,999	$\frac{1,497,378,957}{1,497,418,957}$	2	$\frac{466,282,086}{1,497,418,957}$
Numeri primi Baseos	<i>Hypotenusa</i>	<i>Perpendicularum</i>	100,000	<i>Hypotenusa</i>	<i>Basis</i>	100,000	<i>Hypotenusa</i>	<i>Basis</i>	<i>Perpendicularum</i>	100,000	<i>Perpendicularum</i>	<i>Basis</i>
			Basis			Basis				Basis		Hypotenusa

Viète's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM												11
SERIES I.			SERIES II.			SERIES III.						
2	$\frac{2,405,695,486}{7,398,752,257}$	99,999	$\frac{7,398,552,257}{7,398,752,257}$	2	$\frac{481,139,098}{1,479,750,451}$	100,000	$\frac{40,000}{1,479,750,451}$	4,300,799,999	$\frac{2,251}{5,376}$	4,300,800,000	$\frac{3,125}{5,376}$	172,032
2	$\frac{2,478,931,966}{7,310,934,017}$	99,999	$\frac{7,310,734,017}{7,310,934,017}$	2	$\frac{495,786,394}{1,462,186,803}$	100,000	$\frac{40,000}{1,462,186,803}$	4,275,199,999	$\frac{2,219}{5,344}$	4,275,200,000	$\frac{3,125}{5,344}$	171,008
2	$\frac{510,223,974}{1,444,728,013}$	99,999	$\frac{1,444,688,013}{1,444,728,013}$	2	$\frac{2,551,119,874}{7,223,640,063}$	100,000	$\frac{200,000}{7,223,640,063}$	4,249,599,999	$\frac{2,187}{5,312}$	4,249,600,000	$\frac{3,125}{5,312}$	169,984
2	$\frac{2,622,259,198}{7,136,870,401}$	99,999	$\frac{7,136,670,401}{7,136,870,401}$	2	$\frac{2,622,259,202}{7,136,870,399}$	100,000	$\frac{200,000}{7,136,870,399}$	4,223,999,999	$\frac{431}{1,056}$	4,224,000,000	$\frac{625}{1,056}$	168,960
2	$\frac{107,693,998}{282,025,001}$	99,999	$\frac{282,017,001}{282,025,001}$	2	$\frac{2,692,349,954}{7,050,625,023}$	100,000	$\frac{200,000}{7,050,625,023}$	4,198,399,999	$\frac{2,123}{5,248}$	4,198,400,000	$\frac{3,125}{5,248}$	167,936
2	$\frac{2,761,392,126}{6,964,903,937}$	99,999	$\frac{6,964,703,937}{6,964,903,937}$	2	$\frac{552,278,426}{1,392,980,787}$	100,000	$\frac{40,000}{1,392,980,787}$	4,172,799,999	$\frac{2,091}{5,216}$	4,172,800,000	$\frac{3,125}{5,216}$	166,912
2	$\frac{2,829,385,726}{6,879,707,137}$	99,999	$\frac{6,879,507,137}{6,879,707,137}$	2	$\frac{565,877,146}{1,375,941,427}$	100,000	$\frac{40,000}{1,375,941,427}$	4,147,199,999	$\frac{2,059}{5,184}$	4,147,200,000	$\frac{3,125}{5,184}$	165,888
2	$\frac{23,170,646}{54,360,277}$	99,999	$\frac{54,358,677}{54,360,277}$	2	$\frac{2,896,339,754}{6,795,034,623}$	100,000	$\frac{200,000}{6,795,034,623}$	4,121,599,999	$\frac{2,027}{5,152}$	4,121,600,000	$\frac{3,125}{5,152}$	164,864
2	$\frac{2,962,227,198}{6,710,886,401}$	99,999	$\frac{6,710,686,401}{6,710,886,401}$	2	$\frac{2,962,227,202}{6,710,886,399}$	100,000	$\frac{200,000}{6,710,886,399}$	4,095,999,999	$\frac{399}{1,024}$	4,096,000,000	$\frac{625}{1,024}$	163,840
2	$\frac{605,415,014}{1,325,452,493}$	99,999	$\frac{1,325,412,493}{1,325,452,493}$	2	$\frac{3,027,075,074}{6,627,262,463}$	100,000	$\frac{200,000}{6,627,262,463}$	4,070,399,999	$\frac{1,963}{5,088}$	4,070,400,000	$\frac{3,125}{5,088}$	162,816
2	$\frac{3,090,874,366}{6,544,162,817}$	99,999	$\frac{6,543,962,817}{6,544,162,817}$	2	$\frac{618,174,874}{1,308,832,563}$	100,000	$\frac{40,000}{1,308,832,563}$	4,044,799,999	$\frac{1,931}{5,056}$	4,044,800,000	$\frac{3,125}{5,056}$	161,792
2	$\frac{3,153,625,086}{6,461,587,457}$	99,999	$\frac{6,461,387,457}{6,461,587,457}$	2	$\frac{630,725,018}{1,292,317,491}$	100,000	$\frac{40,000}{1,292,317,491}$	4,019,199,999	$\frac{1,899}{5,024}$	4,019,200,000	$\frac{3,125}{5,024}$	160,768
2	$\frac{643,065,446}{1,275,907,277}$	99,999	$\frac{1,275,867,277}{1,275,907,277}$	2	$\frac{3,215,327,234}{6,379,536,383}$	100,000	$\frac{200,000}{6,379,536,383}$	3,993,599,999	$\frac{1,867}{4,992}$	3,993,600,000	$\frac{3,125}{4,992}$	159,744
2	$\frac{3,275,980,798}{6,298,009,601}$	99,999	$\frac{6,297,809,601}{6,298,009,601}$	2	$\frac{3,275,980,802}{6,298,009,599}$	100,000	$\frac{200,000}{6,298,009,599}$	3,967,999,999	$\frac{367}{992}$	3,968,000,000	$\frac{625}{992}$	158,720
2	$\frac{667,117,158}{1,243,401,421}$	99,999	$\frac{1,243,361,421}{1,243,401,421}$	2	$\frac{3,335,585,794}{6,217,007,103}$	100,000	$\frac{200,000}{6,217,007,103}$	3,942,399,999	$\frac{1,803}{4,928}$	3,942,400,000	$\frac{3,125}{4,928}$	157,696
2	$\frac{3,394,142,206}{6,136,528,897}$	99,999	$\frac{6,136,328,897}{6,136,528,897}$	2	$\frac{678,828,442}{1,227,395,779}$	100,000	$\frac{40,000}{1,227,395,779}$	3,916,799,999	$\frac{1,771}{4,896}$	3,916,800,000	$\frac{3,125}{4,896}$	156,672
2	$\frac{3,451,650,046}{6,056,574,977}$	99,999	$\frac{6,056,374,977}{6,056,574,977}$	2	$\frac{138,066,002}{242,262,999}$	100,000	$\frac{8,000}{242,262,999}$	3,891,199,999	$\frac{1,739}{4,864}$	3,891,200,000	$\frac{3,125}{4,864}$	155,648
2	$\frac{701,621,862}{1,195,429,069}$	99,999	$\frac{1,195,389,069}{1,195,429,069}$	2	$\frac{3,508,109,314}{5,977,145,343}$	100,000	$\frac{200,000}{5,977,145,343}$	3,865,599,999	$\frac{1,707}{4,832}$	3,865,600,000	$\frac{3,125}{4,832}$	154,624
2	$\frac{3,563,519,998}{5,898,240,001}$	99,999	$\frac{5,898,040,001}{5,898,240,001}$	2	$\frac{3,563,520,002}{5,898,239,999}$	100,000	$\frac{200,000}{5,898,239,999}$	3,839,999,999	$\frac{67}{192}$	3,840,000,000	$\frac{125}{192}$	153,600
2	$\frac{723,576,422}{1,163,971,789}$	99,999	$\frac{1,163,931,789}{1,163,971,789}$	2	$\frac{3,617,882,114}{5,819,858,943}$	100,000	$\frac{200,000}{5,819,858,943}$	3,814,399,999	$\frac{1,643}{4,768}$	3,814,400,000	$\frac{3,125}{4,768}$	152,576
2	$\frac{3,671,195,646}{5,742,002,177}$	99,999	$\frac{5,741,802,177}{5,742,002,177}$	2	$\frac{146,847,826}{229,680,087}$	100,000	$\frac{8,000}{229,680,087}$	3,788,799,999	$\frac{1,611}{4,736}$	3,788,800,000	$\frac{3,125}{4,736}$	151,552
2	$\frac{3,723,460,606}{5,664,669,697}$	99,999	$\frac{5,664,469,697}{5,664,669,697}$	2	$\frac{744,692,122}{1,132,933,939}$	100,000	$\frac{40,000}{1,132,933,939}$	3,763,199,999	$\frac{1,579}{4,704}$	3,763,200,000	$\frac{3,125}{4,704}$	150,528
2	$\frac{754,935,398}{1,117,572,301}$	99,999	$\frac{1,117,532,301}{1,117,572,301}$	2	$\frac{3,774,676,994}{5,587,861,503}$	100,000	$\frac{200,000}{5,587,861,503}$	3,737,599,999	$\frac{1,547}{4,672}$	3,737,600,000	$\frac{3,125}{4,672}$	149,504
2	$\frac{3,824,844,798}{5,511,577,601}$	99,999	$\frac{5,511,377,601}{5,511,577,601}$	2	$\frac{3,824,844,802}{5,511,577,599}$	100,000	$\frac{200,000}{5,511,577,599}$	3,711,999,999	$\frac{303}{928}$	3,712,000,000	$\frac{625}{928}$	148,480
2	$\frac{774,792,806}{1,087,163,597}$	99,999	$\frac{1,087,123,597}{1,087,163,597}$	2	$\frac{3,873,964,034}{5,435,817,983}$	100,000	$\frac{200,000}{5,435,817,983}$	3,686,399,999	$\frac{1,483}{4,608}$	3,686,400,000	$\frac{3,125}{4,608}$	147,456
2	$\frac{3,922,034,686}{5,360,582,657}$	99,999	$\frac{5,360,382,657}{5,360,582,657}$	2	$\frac{784,406,938}{1,072,116,531}$	100,000	$\frac{40,000}{1,072,116,531}$	3,660,799,999	$\frac{1,451}{4,576}$	3,660,800,000	$\frac{3,125}{4,576}$	146,432
2	$\frac{3,969,056,766}{5,285,871,617}$	99,999	$\frac{5,285,671,617}{5,285,871,617}$	2	$\frac{793,811,354}{1,057,174,323}$	100,000	$\frac{40,000}{1,057,174,323}$	3,635,199,999	$\frac{1,419}{4,544}$	3,635,200,000	$\frac{3,125}{4,544}$	145,408
2	$\frac{803,006,054}{1,042,336,973}$	99,999	$\frac{1,042,296,973}{1,042,336,973}$	2	$\frac{4,015,939,274}{5,211,684,863}$	100,000	$\frac{200,000}{5,211,684,863}$	3,609,599,999	$\frac{1,387}{4,512}$	3,609,600,000	$\frac{3,125}{4,512}$	144,384
2	$\frac{4,059,955,198}{5,138,022,401}$	99,999	$\frac{5,137,822,401}{5,138,022,401}$	2	$\frac{4,059,955,202}{5,138,022,399}$	100,000	$\frac{200,000}{5,138,022,399}$	3,583,999,999	$\frac{271}{896}$	3,584,000,000	$\frac{625}{896}$	143,360
2	$\frac{164,153,269}{202,595,399}$	99,999	$\frac{202,587,369}{202,595,399}$	2	$\frac{4,103,831,554}{5,064,884,223}$	100,000	$\frac{200,000}{5,064,884,223}$	3,558,399,999	$\frac{1,323}{4,448}$	3,558,400,000	$\frac{3,125}{4,448}$	142,336
2	$\frac{4,146,659,326}{4,992,270,337}$	99,999	$\frac{4,992,070,337}{4,992,270,337}$	2	$\frac{829,331,866}{998,454,067}$	100,000	$\frac{40,000}{998,454,067}$	3,532,799,999	$\frac{1,291}{4,416}$	3,532,800,000	$\frac{3,125}{4,416}$	141,312
2	$\frac{4,188,438,526}{4,920,180,737}$	99,999	$\frac{4,919,980,737}{4,920,180,737}$	2	$\frac{837,687,706}{984,036,147}$	100,000	$\frac{40,000}{984,036,147}$	3,507,199,999	$\frac{1,259}{4,384}$	3,507,200,000	$\frac{3,125}{4,384}$	140,288
2	$\frac{169,166,766}{193,944,617}$	99,999	$\frac{193,936,617}{193,944,617}$	2	$\frac{4,229,169,154}{4,848,615,423}$	100,000	$\frac{200,000}{4,848,615,423}$	3,481,599,999	$\frac{1,227}{4,352}$	3,481,600,000	$\frac{3,125}{4,352}$	139,264
2	$\frac{4,268,851,198}{4,777,574,401}$	99,999	$\frac{4,777,374,401}{4,777,574,401}$	2	$\frac{4,268,851,202}{4,777,574,399}$	100,000	$\frac{200,000}{4,777,574,399}$	3,455,999,999	$\frac{239}{864}$	3,456,000,000	$\frac{625}{864}$	138,240
Basis 100,000 Hypotenusa			Perpendicularum Hypotenusa			Basis 100,000 Perpendicularum			Perpendicularum 100,000 Hypotenusa Basis			Numeri primi Baseos

Viète's Canon mathematicus : Canonion triangulorum (1579) (reconstruction, D. Roegel, 2011)

CANONION TRIANGVLORVM												
12	SERIES III.				SERIES II.				SERIES I.			
137,216	3,430,400,000	$\frac{3.125}{4.288}$	3,430,399,999	$\frac{1.163}{4.288}$	100,000	$\frac{200.000}{4.707,057,663}$	2	$\frac{4.307,484,674}{4.707,057,663}$	99,999	$\frac{941,371,533}{941,411,533}$	2	$\frac{861,496,934}{941,411,533}$
136,192	3,404,800,000	$\frac{3.125}{4.256}$	3,404,799,999	$\frac{1.131}{4.256}$	100,000	$\frac{40.000}{927,413,043}$	2	$\frac{869,013,914}{927,413,043}$	99,999	$\frac{4.636,865,217}{4.637,065,217}$	2	$\frac{4.345,069,566}{4.637,065,217}$
135,168	3,379,200,000	$\frac{3.125}{4.224}$	3,379,199,999	$\frac{1.099}{4.224}$	100,000	$\frac{40.000}{913,519,411}$	2	$\frac{876,321,178}{913,519,411}$	99,999	$\frac{4.567,397,057}{4.567,597,057}$	2	$\frac{4.381,605,886}{4.567,597,057}$
134,144	3,353,600,000	$\frac{3.125}{4.192}$	3,353,599,999	$\frac{1.067}{4.192}$	100,000	$\frac{200.000}{4.498,653,183}$	2	$\frac{4.417,093,634}{4.498,653,183}$	99,999	$\frac{899,690,637}{899,730,637}$	2	$\frac{883,418,726}{899,730,637}$
133,120	3,328,000,000	$\frac{6.25}{8.32}$	3,327,999,999	$\frac{207}{8.32}$	100,000	$\frac{200.000}{4.430,233,599}$	3	$\frac{21,299,203}{4.430,233,599}$	99,999	$\frac{4.430,033,601}{4.430,233,601}$	3	$\frac{21,299,197}{4.430,233,601}$
132,096	3,302,400,000	$\frac{3.125}{4.128}$	3,302,399,999	$\frac{1.003}{4.128}$	100,000	$\frac{200.000}{4.362,338,303}$	3	$\frac{122,585,091}{4.362,338,303}$	99,999	$\frac{872,427,661}{872,467,661}$	3	$\frac{24,517,017}{872,467,661}$
131,072	3,276,800,000	$\frac{3.125}{4.096}$	3,276,799,999	$\frac{971}{4.096}$	100,000	$\frac{40.000}{858,993,459}$	3	$\frac{44,459,623}{858,993,459}$	99,999	$\frac{4.294,767,297}{4.294,967,297}$	3	$\frac{222,298,109}{4.294,967,297}$
130,048	3,251,200,000	$\frac{3.125}{4.064}$	3,251,199,999	$\frac{939}{4.064}$	100,000	$\frac{8.000}{169,124,823}$	3	$\frac{12,817,531}{169,124,823}$	99,999	$\frac{4.227,920,577}{4,228,120,577}$	3	$\frac{320,438,269}{4,228,120,577}$
129,024	3,225,600,000	$\frac{3.125}{4.032}$	3,225,599,999	$\frac{907}{4.032}$	100,000	$\frac{200.000}{4.161,798,143}$	3	$\frac{417,005,571}{4.161,798,143}$	99,999	$\frac{832,319,629}{832,359,629}$	3	$\frac{83,401,113}{832,359,629}$
128,000	3,200,000,000	$\frac{25}{32}$	3,199,999,999	$\frac{7}{32}$	100,000	$\frac{200.000}{4.095,999,999}$	3	$\frac{512,000,003}{4.095,999,999}$	99,999	$\frac{4.095,800,001}{4.096,000,001}$	3	$\frac{511,999,997}{4.096,000,001}$
126,976	3,174,400,000	$\frac{3.125}{3.968}$	3,174,399,999	$\frac{843}{3.968}$	100,000	$\frac{200.000}{4.030,726,143}$	3	$\frac{605,421,571}{4.030,726,143}$	99,999	$\frac{806,105,229}{806,145,229}$	3	$\frac{121,084,313}{806,145,229}$
125,952	3,148,800,000	$\frac{3.125}{3.936}$	3,148,799,999	$\frac{811}{3.936}$	100,000	$\frac{8.000}{158,639,063}$	3	$\frac{27,890,811}{158,639,063}$	99,999	$\frac{3.965,776,577}{3.965,976,577}$	3	$\frac{697,270,269}{3.965,976,577}$
124,928	3,123,200,000	$\frac{3.125}{3.904}$	3,123,199,999	$\frac{779}{3.904}$	100,000	$\frac{40.000}{780,350,259}$	3	$\frac{157,509,223}{780,350,259}$	99,999	$\frac{3.901,551,297}{3.901,751,297}$	3	$\frac{787,546,109}{3.901,751,297}$
123,904	3,097,600,000	$\frac{3.125}{3.872}$	3,097,599,999	$\frac{747}{3.872}$	100,000	$\frac{200.000}{3.838,050,303}$	3	$\frac{876,249,091}{3.838,050,303}$	99,999	$\frac{767,570,061}{767,610,061}$	3	$\frac{175,249,817}{767,610,061}$
122,880	3,072,000,000	$\frac{6.25}{768}$	3,071,999,999	$\frac{143}{768}$	100,000	$\frac{200.000}{3.774,873,599}$	3	$\frac{963,379,203}{3.774,873,599}$	99,999	$\frac{3.774,673,601}{3.774,873,601}$	3	$\frac{963,379,197}{3.774,873,601}$
121,856	3,046,400,000	$\frac{3.125}{3.808}$	3,046,399,999	$\frac{683}{3.808}$	100,000	$\frac{200.000}{3.712,221,183}$	3	$\frac{1,048,936,451}{3.712,221,183}$	99,999	$\frac{742,404,237}{742,444,237}$	3	$\frac{209,787,289}{742,444,237}$
120,832	3,020,800,000	$\frac{3.125}{3.776}$	3,020,799,999	$\frac{651}{3.776}$	100,000	$\frac{40.000}{730,018,611}$	3	$\frac{226,584,167}{730,018,611}$	99,999	$\frac{3.649,893,057}{3.650,093,057}$	3	$\frac{1,132,920,829}{3.650,093,057}$
119,808	2,995,200,000	$\frac{3.125}{3.744}$	2,995,199,999	$\frac{619}{3.744}$	100,000	$\frac{40.000}{717,697,843}$	3	$\frac{243,066,471}{717,697,843}$	99,999	$\frac{3.588,289,217}{3.588,489,217}$	3	$\frac{1,215,332,349}{3.588,489,217}$
118,784	2,969,600,000	$\frac{3.125}{3.712}$	2,969,599,999	$\frac{587}{3.712}$	100,000	$\frac{200.000}{3.527,409,663}$	3	$\frac{1,296,171,011}{3.527,409,663}$	99,999	$\frac{705,441,933}{705,481,933}$	3	$\frac{259,234,201}{705,481,933}$
117,760	2,944,000,000	$\frac{6.25}{736}$	2,943,999,999	$\frac{111}{736}$	100,000	$\frac{200.000}{3.466,854,399}$	3	$\frac{1,375,436,803}{3.466,854,399}$	99,999	$\frac{3.466,654,401}{3.466,854,401}$	3	$\frac{1,375,436,797}{3.466,854,401}$
116,736	2,918,400,000	$\frac{3.125}{3.648}$	2,918,399,999	$\frac{523}{3.648}$	100,000	$\frac{200.000}{3.406,823,423}$	3	$\frac{1,453,129,731}{3.406,823,423}$	99,999	$\frac{136,264,937}{136,272,937}$	3	$\frac{58,125,189}{136,272,937}$
115,712	2,892,800,000	$\frac{3.125}{3.616}$	2,892,799,999	$\frac{491}{3.616}$	100,000	$\frac{40.000}{669,463,347}$	3	$\frac{395,849,959}{669,463,347}$	99,999	$\frac{3.347,116,737}{3.347,316,737}$	3	$\frac{1,529,249,789}{3.347,316,737}$
114,688	2,867,200,000	$\frac{3.125}{3.584}$	2,867,199,999	$\frac{459}{3.584}$	100,000	$\frac{40.000}{657,666,867}$	3	$\frac{320,759,399}{657,666,867}$	99,999	$\frac{3.288,134,337}{3.288,334,337}$	3	$\frac{1,603,796,989}{3.288,334,337}$
113,664	2,841,600,000	$\frac{3.125}{3.552}$	2,841,599,999	$\frac{427}{3.552}$	100,000	$\frac{200.000}{3,229,876,223}$	3	$\frac{1,676,771,331}{3,229,876,223}$	99,999	$\frac{129,187,049}{129,195,049}$	3	$\frac{67,070,853}{129,195,049}$
112,640	2,816,000,000	$\frac{6.25}{704}$	2,815,999,999	$\frac{79}{704}$	100,000	$\frac{200.000}{3,174,942,399}$	3	$\frac{1,748,172,803}{3,174,942,399}$	99,999	$\frac{3,171,742,401}{3,171,942,401}$	3	$\frac{1,748,172,797}{3,171,942,401}$
111,616	2,790,400,000	$\frac{3.125}{3.488}$	2,790,399,999	$\frac{363}{3.488}$	100,000	$\frac{200.000}{3,114,532,863}$	3	$\frac{1,818,001,411}{3,114,532,863}$	99,999	$\frac{622,866,573}{622,906,573}$	3	$\frac{363,600,281}{622,906,573}$
110,592	2,764,800,000	$\frac{3.125}{3.456}$	2,764,799,999	$\frac{331}{3.456}$	100,000	$\frac{40.000}{611,529,523}$	3	$\frac{377,251,431}{611,529,523}$	99,999	$\frac{3.057,447,617}{3.057,647,617}$	3	$\frac{1,886,257,149}{3.057,647,617}$
109,568	2,739,200,000	$\frac{3.125}{3.424}$	2,739,199,999	$\frac{299}{3.424}$	100,000	$\frac{40.000}{600,257,331}$	3	$\frac{390,588,007}{600,257,331}$	99,999	$\frac{3.001,086,657}{3.001,286,657}$	3	$\frac{1,952,940,029}{3.001,286,657}$
108,544	2,713,600,000	$\frac{3.125}{3.392}$	2,713,599,999	$\frac{267}{3.392}$	100,000	$\frac{200.000}{2,945,449,983}$	3	$\frac{2,018,050,051}{2,945,449,983}$	99,999	$\frac{589,049,997}{589,089,997}$	3	$\frac{403,610,009}{589,089,997}$
107,520	2,688,000,000	$\frac{6.25}{672}$	2,687,999,999	$\frac{47}{672}$	100,000	$\frac{200.000}{2,890,137,599}$	3	$\frac{2,081,587,203}{2,890,137,599}$	99,999	$\frac{2,889,937,601}{2,890,137,601}$	3	$\frac{2,081,587,197}{2,890,137,601}$
106,496	2,662,400,000	$\frac{3.125}{3.328}$	2,662,399,999	$\frac{203}{3.328}$	100,000	$\frac{200.000}{2,835,349,503}$	3	$\frac{2,143,551,491}{2,835,349,503}$	99,999	$\frac{567,029,901}{567,069,901}$	3	$\frac{428,710,297}{567,069,901}$
105,472	2,636,800,000	$\frac{3.125}{3.296}$	2,636,799,999	$\frac{171}{3.296}$	100,000	$\frac{40.000}{556,217,139}$	3	$\frac{440,788,583}{556,217,139}$	99,999	$\frac{2,780,885,697}{2,781,085,697}$	3	$\frac{2,203,942,009}{2,781,085,697}$
104,448	2,611,200,000	$\frac{3.125}{3.264}$	2,611,199,999	$\frac{139}{3.264}$	100,000	$\frac{8.000}{109,093,847}$	3	$\frac{90,510,459}{109,093,847}$	99,999	$\frac{2,727,146,177}{2,727,346,177}$	3	$\frac{2,262,761,469}{2,727,346,177}$
103,424	2,585,600,000	$\frac{3.125}{3.232}$	2,585,599,999	$\frac{107}{3.232}$	100,000	$\frac{200.000}{2,674,130,943}$	3	$\frac{2,320,007,171}{2,674,130,943}$	99,999	$\frac{534,786,189}{534,826,189}$	3	$\frac{464,001,433}{534,826,189}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
	Basis		Basis		Perpendicularum		Perpendicularum		Hypotenusa		Hypotenusa	

Viète's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											13	
SERIES I.			SERIES II.			SERIES III.						
3	$\frac{2,375,679,997}{2,621,440,001}$	99,999	$\frac{2,621,240,001}{2,621,440,001}$	3	$\frac{2,375,680,003}{2,621,439,999}$	100,000	$\frac{200,000}{2,621,439,999}$	2,559,999,999	$\frac{3}{128}$	2,560,000,000	$\frac{125}{128}$	102,400
3	$\frac{2,402,926,589}{2,595,291,137}$	99,999	$\frac{2,595,091,137}{2,595,291,137}$	3	$\frac{480,585,319}{519,058,227}$	100,000	$\frac{40,000}{519,058,227}$	2,547,199,999	$\frac{59}{3,184}$	2,547,200,000	$\frac{3,125}{3,184}$	101,888
3	$\frac{485,955,993}{513,854,669}$	99,999	$\frac{513,814,669}{513,854,669}$	3	$\frac{2,429,779,971}{2,569,273,343}$	100,000	$\frac{200,000}{2,569,273,343}$	2,534,399,999	$\frac{43}{3,168}$	2,534,400,000	$\frac{3,125}{3,168}$	101,376
3	$\frac{19,649,921}{20,347,093}$	99,999	$\frac{20,345,493}{20,347,093}$	3	$\frac{2,456,240,131}{2,543,386,623}$	100,000	$\frac{200,000}{2,543,386,623}$	2,521,599,999	$\frac{27}{3,152}$	2,521,600,000	$\frac{3,125}{3,152}$	100,864
3	$\frac{2,482,307,069}{2,517,630,977}$	99,999	$\frac{2,517,430,977}{2,517,630,977}$	3	$\frac{99,292,283}{100,705,239}$	100,000	$\frac{8,000}{100,705,239}$	2,508,799,999	$\frac{11}{3,136}$	2,508,800,000	$\frac{3,125}{3,136}$	100,352
4	$\frac{15,974,396}{2,492,006,401}$	99,999	$\frac{2,491,806,401}{2,492,006,401}$	4	$\frac{15,974,404}{2,492,006,399}$	100,000	$\frac{200,000}{2,492,006,399}$	2,495,999,998	$\frac{623}{624}$	2,496,000,001	$\frac{1}{624}$	99,840
4	$\frac{66,748,412}{2,466,512,897}$	99,999	$\frac{2,466,312,897}{2,466,512,897}$	4	$\frac{13,349,684}{493,302,579}$	100,000	$\frac{40,000}{493,302,579}$	2,483,199,998	$\frac{3,083}{3,104}$	2,483,200,001	$\frac{21}{3,104}$	99,328
4	$\frac{23,399,628}{488,230,093}$	99,999	$\frac{488,190,093}{488,230,093}$	4	$\frac{116,998,148}{2,441,150,463}$	100,000	$\frac{200,000}{2,441,150,463}$	2,470,399,998	$\frac{3,051}{3,088}$	2,470,400,001	$\frac{37}{3,088}$	98,816
4	$\frac{33,344,716}{483,183,821}$	99,999	$\frac{483,143,821}{483,183,821}$	4	$\frac{166,723,588}{2,415,919,103}$	100,000	$\frac{200,000}{2,415,919,103}$	2,457,599,998	$\frac{3,019}{3,072}$	2,457,600,001	$\frac{53}{3,072}$	98,304
4	$\frac{215,924,732}{2,390,818,817}$	99,999	$\frac{2,390,618,817}{2,390,818,817}$	4	$\frac{43,184,948}{478,163,763}$	100,000	$\frac{40,000}{478,163,763}$	2,444,799,998	$\frac{2,987}{3,056}$	2,444,800,001	$\frac{69}{3,056}$	97,792
4	$\frac{264,601,596}{2,365,849,601}$	99,999	$\frac{2,365,649,601}{2,365,849,601}$	4	$\frac{264,601,604}{2,365,849,599}$	100,000	$\frac{200,000}{2,365,849,599}$	2,431,999,998	$\frac{591}{608}$	2,432,000,001	$\frac{17}{608}$	97,280
4	$\frac{312,754,172}{2,341,011,457}$	99,999	$\frac{2,340,811,457}{2,341,011,457}$	4	$\frac{62,550,836}{468,202,291}$	100,000	$\frac{40,000}{468,202,291}$	2,419,199,998	$\frac{2,923}{3,024}$	2,419,200,001	$\frac{101}{3,024}$	96,768
4	$\frac{72,076,492}{463,260,877}$	99,999	$\frac{463,220,877}{463,260,877}$	4	$\frac{360,382,468}{2,316,304,383}$	100,000	$\frac{200,000}{2,316,304,383}$	2,406,399,998	$\frac{2,891}{3,008}$	2,406,400,001	$\frac{117}{3,008}$	96,256
4	$\frac{81,497,292}{458,345,677}$	99,999	$\frac{458,305,677}{458,345,677}$	4	$\frac{407,486,468}{2,291,728,383}$	100,000	$\frac{200,000}{2,291,728,383}$	2,393,599,998	$\frac{2,859}{2,992}$	2,393,600,001	$\frac{133}{2,992}$	95,744
4	$\frac{454,066,172}{2,267,283,457}$	99,999	$\frac{2,267,083,457}{2,267,283,457}$	4	$\frac{90,813,236}{453,456,691}$	100,000	$\frac{40,000}{453,456,691}$	2,380,799,998	$\frac{2,827}{2,976}$	2,380,800,001	$\frac{149}{2,976}$	95,232
4	$\frac{500,121,596}{2,242,969,601}$	99,999	$\frac{2,242,769,601}{2,242,969,601}$	4	$\frac{500,121,604}{2,242,969,599}$	100,000	$\frac{200,000}{2,242,969,599}$	2,367,999,998	$\frac{559}{592}$	2,368,000,001	$\frac{33}{592}$	94,720
4	$\frac{545,652,732}{2,218,786,817}$	99,999	$\frac{2,218,586,817}{2,218,786,817}$	4	$\frac{109,130,548}{443,757,363}$	100,000	$\frac{40,000}{443,757,363}$	2,355,199,998	$\frac{2,763}{2,944}$	2,355,200,001	$\frac{181}{2,944}$	94,208
4	$\frac{118,131,916}{438,947,021}$	99,999	$\frac{438,907,021}{438,947,021}$	4	$\frac{590,659,588}{2,194,735,103}$	100,000	$\frac{200,000}{2,194,735,103}$	2,342,399,998	$\frac{2,731}{2,928}$	2,342,400,001	$\frac{197}{2,928}$	93,696
4	$\frac{127,028,428}{434,162,893}$	99,999	$\frac{434,122,893}{434,162,893}$	4	$\frac{635,142,148}{2,170,814,463}$	100,000	$\frac{200,000}{2,170,814,463}$	2,329,599,998	$\frac{2,699}{2,912}$	2,329,600,001	$\frac{213}{2,912}$	93,184
4	$\frac{679,100,412}{2,147,024,897}$	99,999	$\frac{2,146,824,897}{2,147,024,897}$	4	$\frac{135,820,084}{429,404,979}$	100,000	$\frac{40,000}{429,404,979}$	2,316,799,998	$\frac{2,667}{2,896}$	2,316,800,001	$\frac{229}{2,896}$	92,672
4	$\frac{722,534,396}{2,123,366,401}$	99,999	$\frac{2,123,166,401}{2,123,366,401}$	4	$\frac{722,534,404}{2,123,366,399}$	100,000	$\frac{200,000}{2,123,366,399}$	2,303,999,998	$\frac{527}{576}$	2,304,000,001	$\frac{49}{576}$	92,160
4	$\frac{765,444,092}{2,099,838,977}$	99,999	$\frac{2,099,638,977}{2,099,838,977}$	4	$\frac{30,617,764}{83,993,559}$	100,000	$\frac{8,000}{83,993,559}$	2,291,199,998	$\frac{2,603}{2,864}$	2,291,200,001	$\frac{261}{2,864}$	91,648
4	$\frac{6,462,636}{16,611,541}$	99,999	$\frac{16,609,941}{16,611,541}$	4	$\frac{807,829,508}{2,076,442,623}$	100,000	$\frac{200,000}{2,076,442,623}$	2,278,399,998	$\frac{2,571}{2,848}$	2,278,400,001	$\frac{277}{2,848}$	91,136
4	$\frac{169,938,124}{410,635,469}$	99,999	$\frac{410,595,469}{410,635,469}$	4	$\frac{849,690,628}{2,053,177,343}$	100,000	$\frac{200,000}{2,053,177,343}$	2,265,599,998	$\frac{2,539}{2,832}$	2,265,600,001	$\frac{293}{2,832}$	90,624
4	$\frac{891,027,452}{2,030,043,137}$	99,999	$\frac{2,029,843,137}{2,030,043,137}$	4	$\frac{178,205,492}{406,008,627}$	100,000	$\frac{40,000}{406,008,627}$	2,252,799,998	$\frac{2,507}{2,816}$	2,252,800,001	$\frac{309}{2,816}$	90,112
4	$\frac{931,839,996}{2,007,040,001}$	99,999	$\frac{2,006,840,001}{2,007,040,001}$	4	$\frac{931,840,004}{2,007,039,999}$	100,000	$\frac{200,000}{2,007,039,999}$	2,239,999,998	$\frac{99}{112}$	2,240,000,001	$\frac{13}{112}$	89,600
4	$\frac{972,128,252}{1,984,167,937}$	99,999	$\frac{1,983,967,937}{1,984,167,937}$	4	$\frac{194,425,652}{396,833,587}$	100,000	$\frac{40,000}{396,833,587}$	2,227,199,998	$\frac{2,443}{2,784}$	2,227,200,001	$\frac{341}{2,784}$	89,088
4	$\frac{202,378,444}{392,285,389}$	99,999	$\frac{392,245,389}{392,285,389}$	4	$\frac{1,011,892,228}{1,961,426,943}$	100,000	$\frac{200,000}{1,961,426,943}$	2,214,399,998	$\frac{2,411}{2,768}$	2,214,400,001	$\frac{357}{2,768}$	88,576
4	$\frac{42,045,276}{77,552,681}$	99,999	$\frac{77,544,681}{77,552,681}$	4	$\frac{1,051,131,908}{1,938,817,023}$	100,000	$\frac{200,000}{1,938,817,023}$	2,201,599,998	$\frac{2,379}{2,752}$	2,201,600,001	$\frac{373}{2,752}$	88,064
4	$\frac{1,089,847,292}{1,916,338,177}$	99,999	$\frac{1,916,138,177}{1,916,338,177}$	4	$\frac{43,593,892}{76,653,527}$	100,000	$\frac{8,000}{76,653,527}$	2,188,799,998	$\frac{2,347}{2,736}$	2,188,800,001	$\frac{389}{2,736}$	87,552
4	$\frac{1,128,038,396}{1,893,990,401}$	99,999	$\frac{1,893,790,401}{1,893,990,401}$	4	$\frac{1,128,038,404}{1,893,990,399}$	100,000	$\frac{200,000}{1,893,990,399}$	2,175,999,998	$\frac{463}{544}$	2,176,000,001	$\frac{81}{544}$	87,040
4	$\frac{1,165,705,212}{1,871,773,697}$	99,999	$\frac{1,871,573,697}{1,871,773,697}$	4	$\frac{233,141,044}{374,354,739}$	100,000	$\frac{40,000}{374,354,739}$	2,163,199,998	$\frac{2,283}{2,704}$	2,163,200,001	$\frac{421}{2,704}$	86,528
<i>Basis</i>			<i>Perpendicularum</i>			<i>Basis</i>			<i>Hypotenusa</i>			Numeri primi Baseos
100,000 Hypotenusa			100,000 Perpendicularum			100,000 Basis			Hypotenusa			

Vietè's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											15	
SERIES I.			SERIES II.			SERIES III.						
5	$\frac{976,977,915}{1,176,764,417}$	99,999	$\frac{1,176,564,417}{1,176,764,417}$	5	$\frac{195,395,585}{235,352,883}$	100,000	$\frac{40,000}{235,352,883}$	1,715,199,998	$\frac{1,163}{2,144}$	1,715,200,001	$\frac{981}{2,144}$	68,608
5	$\frac{202,653,695}{231,853,261}$	99,999	$\frac{231,813,261}{231,853,261}$	5	$\frac{1,013,268,485}{1,159,266,393}$	100,000	$\frac{200,000}{1,159,266,393}$	1,702,399,998	$\frac{1,131}{2,128}$	1,702,400,001	$\frac{997}{2,128}$	68,096
5	$\frac{209,780,735}{228,379,853}$	99,999	$\frac{228,339,853}{228,379,853}$	5	$\frac{1,048,903,685}{1,141,899,263}$	100,000	$\frac{200,000}{1,141,899,263}$	1,689,599,998	$\frac{1,099}{2,112}$	1,689,600,001	$\frac{1,013}{2,112}$	67,584
5	$\frac{1,083,883,515}{1,124,663,297}$	99,999	$\frac{1,124,463,297}{1,124,663,297}$	5	$\frac{216,776,705}{224,932,659}$	100,000	$\frac{40,000}{224,932,659}$	1,676,799,998	$\frac{1,067}{2,096}$	1,676,800,001	$\frac{1,029}{2,096}$	67,072
6	$\frac{10,649,594}{1,107,558,401}$	99,999	$\frac{1,107,358,401}{1,107,558,401}$	6	$\frac{10,649,606}{1,107,558,399}$	100,000	$\frac{200,000}{1,107,558,399}$	1,663,999,998	$\frac{207}{416}$	1,664,000,001	$\frac{209}{416}$	66,560
6	$\frac{61,292,538}{1,090,584,577}$	99,999	$\frac{1,090,384,577}{1,090,584,577}$	6	$\frac{2,451,702}{43,623,383}$	100,000	$\frac{8,000}{43,623,383}$	1,651,199,998	$\frac{1,003}{2,064}$	1,651,200,001	$\frac{1,061}{2,064}$	66,048
6	$\frac{4,445,962}{42,949,673}$	99,999	$\frac{42,941,673}{42,949,673}$	6	$\frac{111,149,062}{1,073,741,823}$	100,000	$\frac{200,000}{1,073,741,823}$	1,638,399,998	$\frac{971}{2,048}$	1,638,400,001	$\frac{1,077}{2,048}$	65,536
6	$\frac{32,043,826}{211,406,029}$	99,999	$\frac{211,366,029}{211,406,029}$	6	$\frac{160,219,142}{1,057,030,143}$	100,000	$\frac{200,000}{1,057,030,143}$	1,625,599,998	$\frac{939}{2,032}$	1,625,600,001	$\frac{1,093}{2,032}$	65,024
6	$\frac{208,502,778}{1,040,449,537}$	99,999	$\frac{1,040,249,537}{1,040,449,537}$	6	$\frac{41,709,528}{208,089,907}$	100,000	$\frac{40,000}{208,089,907}$	1,612,799,998	$\frac{907}{2,016}$	1,612,800,001	$\frac{1,109}{2,016}$	64,512
6	$\frac{255,999,994}{1,024,000,001}$	99,999	$\frac{1,023,800,001}{1,024,000,001}$	6	$\frac{25,000,006}{1,023,999,999}$	100,000	$\frac{200,000}{1,023,999,999}$	1,599,999,998	$\frac{7}{16}$	1,600,000,001	$\frac{9}{16}$	64,000
6	$\frac{302,710,778}{1,007,681,537}$	99,999	$\frac{1,007,481,537}{1,007,681,537}$	6	$\frac{60,542,158}{201,536,307}$	100,000	$\frac{40,000}{201,536,307}$	1,587,199,998	$\frac{843}{1,984}$	1,587,200,001	$\frac{1,141}{1,984}$	63,488
6	$\frac{69,727,026}{198,298,829}$	99,999	$\frac{198,258,829}{198,298,829}$	6	$\frac{348,635,142}{991,494,143}$	100,000	$\frac{200,000}{991,494,143}$	1,574,399,998	$\frac{811}{1,968}$	1,574,400,001	$\frac{1,157}{1,968}$	62,976
6	$\frac{15,750,922}{39,017,513}$	99,999	$\frac{39,009,513}{39,017,513}$	6	$\frac{393,773,062}{975,437,823}$	100,000	$\frac{200,000}{975,437,823}$	1,561,599,998	$\frac{779}{1,952}$	1,561,600,001	$\frac{1,173}{1,952}$	62,464
6	$\frac{438,124,538}{959,512,577}$	99,999	$\frac{959,312,577}{959,512,577}$	6	$\frac{17,524,982}{38,380,593}$	100,000	$\frac{8,000}{38,380,593}$	1,548,799,998	$\frac{747}{1,936}$	1,548,800,001	$\frac{1,189}{1,936}$	61,952
6	$\frac{481,689,594}{943,718,401}$	99,999	$\frac{943,518,401}{943,718,401}$	6	$\frac{481,689,606}{943,718,399}$	100,000	$\frac{200,000}{943,718,399}$	1,535,999,998	$\frac{143}{384}$	1,536,000,001	$\frac{241}{384}$	61,440
6	$\frac{524,468,218}{928,055,297}$	99,999	$\frac{927,855,297}{928,055,297}$	6	$\frac{104,893,646}{185,611,059}$	100,000	$\frac{40,000}{185,611,059}$	1,523,199,998	$\frac{683}{1,904}$	1,523,200,001	$\frac{1,221}{1,904}$	60,928
6	$\frac{113,292,082}{182,504,653}$	99,999	$\frac{182,464,653}{182,504,653}$	6	$\frac{566,460,422}{912,523,263}$	100,000	$\frac{200,000}{912,523,263}$	1,510,399,998	$\frac{651}{1,888}$	1,510,400,001	$\frac{1,237}{1,888}$	60,416
6	$\frac{121,533,234}{179,424,461}$	99,999	$\frac{179,384,461}{179,424,461}$	6	$\frac{607,666,182}{897,122,393}$	100,000	$\frac{200,000}{897,122,393}$	1,497,599,998	$\frac{619}{1,872}$	1,497,600,001	$\frac{1,253}{1,872}$	59,904
6	$\frac{648,085,498}{881,852,417}$	99,999	$\frac{881,652,417}{881,852,417}$	6	$\frac{129,617,102}{176,370,483}$	100,000	$\frac{40,000}{176,370,483}$	1,484,799,998	$\frac{587}{1,856}$	1,484,800,001	$\frac{1,269}{1,856}$	59,392
6	$\frac{687,718,394}{866,713,601}$	99,999	$\frac{866,513,601}{866,713,601}$	6	$\frac{687,718,406}{866,713,599}$	100,000	$\frac{200,000}{866,713,599}$	1,471,999,998	$\frac{111}{368}$	1,472,000,001	$\frac{257}{368}$	58,880
6	$\frac{726,564,858}{851,705,857}$	99,999	$\frac{851,505,857}{851,705,857}$	6	$\frac{145,312,974}{170,341,171}$	100,000	$\frac{40,000}{170,341,171}$	1,459,199,998	$\frac{523}{1,824}$	1,459,200,001	$\frac{1,301}{1,824}$	58,368
6	$\frac{152,924,978}{167,365,837}$	99,999	$\frac{167,325,837}{167,365,837}$	6	$\frac{764,624,902}{836,829,183}$	100,000	$\frac{200,000}{836,829,183}$	1,446,399,998	$\frac{491}{1,808}$	1,446,400,001	$\frac{1,317}{1,808}$	57,856
6	$\frac{160,379,698}{164,416,717}$	99,999	$\frac{164,376,717}{164,416,717}$	6	$\frac{801,898,502}{822,083,583}$	100,000	$\frac{200,000}{822,083,583}$	1,433,599,998	$\frac{459}{1,792}$	1,433,600,001	$\frac{1,333}{1,792}$	57,344
7	$\frac{30,916,601}{807,469,057}$	99,999	$\frac{807,269,057}{807,469,057}$	7	$\frac{6,183,323}{161,493,811}$	100,000	$\frac{40,000}{161,493,811}$	1,420,799,998	$\frac{427}{1,776}$	1,420,800,001	$\frac{1,349}{1,776}$	56,832
7	$\frac{81,100,793}{792,985,601}$	99,999	$\frac{792,785,601}{792,985,601}$	7	$\frac{81,100,807}{792,985,599}$	100,000	$\frac{200,000}{792,985,599}$	1,407,999,998	$\frac{79}{352}$	1,408,000,001	$\frac{273}{352}$	56,320
7	$\frac{130,367,481}{778,633,217}$	99,999	$\frac{778,433,217}{778,633,217}$	7	$\frac{26,073,499}{155,726,643}$	100,000	$\frac{40,000}{155,726,643}$	1,395,199,998	$\frac{363}{1,744}$	1,395,200,001	$\frac{1,381}{1,744}$	55,808
7	$\frac{35,743,333}{152,882,381}$	99,999	$\frac{152,842,381}{152,882,381}$	7	$\frac{178,716,679}{764,411,903}$	100,000	$\frac{200,000}{764,411,903}$	1,382,399,998	$\frac{331}{1,728}$	1,382,400,001	$\frac{1,397}{1,728}$	55,296
7	$\frac{45,229,669}{150,064,333}$	99,999	$\frac{150,024,333}{150,064,333}$	7	$\frac{226,148,359}{750,321,663}$	100,000	$\frac{200,000}{750,321,663}$	1,369,599,998	$\frac{299}{1,712}$	1,369,600,001	$\frac{1,413}{1,712}$	54,784
7	$\frac{272,662,521}{736,362,497}$	99,999	$\frac{736,162,497}{736,362,497}$	7	$\frac{54,532,507}{147,272,499}$	100,000	$\frac{40,000}{147,272,499}$	1,356,799,998	$\frac{267}{1,696}$	1,356,800,001	$\frac{1,429}{1,696}$	54,272
7	$\frac{318,259,193}{722,534,401}$	99,999	$\frac{722,334,401}{722,534,401}$	7	$\frac{318,259,207}{722,534,399}$	100,000	$\frac{200,000}{722,534,399}$	1,343,999,998	$\frac{47}{336}$	1,344,000,001	$\frac{289}{336}$	53,760
7	$\frac{362,938,361}{708,837,377}$	99,999	$\frac{708,637,377}{708,837,377}$	7	$\frac{2,993,507}{5,670,699}$	100,000	$\frac{1,600}{5,670,699}$	1,331,199,998	$\frac{203}{1,664}$	1,331,200,001	$\frac{1,461}{1,664}$	53,248
7	$\frac{16,268,001}{27,810,857}$	99,999	$\frac{27,802,857}{27,810,857}$	7	$\frac{406,700,039}{695,271,423}$	100,000	$\frac{200,000}{695,271,423}$	1,318,399,998	$\frac{171}{1,648}$	1,318,400,001	$\frac{1,477}{1,648}$	52,736
7	$\frac{89,908,837}{136,367,309}$	99,999	$\frac{136,327,309}{136,367,309}$	7	$\frac{449,544,199}{681,836,543}$	100,000	$\frac{200,000}{681,836,543}$	1,305,599,998	$\frac{139}{1,632}$	1,305,600,001	$\frac{1,493}{1,632}$	52,224
7	$\frac{491,470,841}{668,532,737}$	99,999	$\frac{668,332,737}{668,532,737}$	7	$\frac{98,294,171}{133,706,547}$	100,000	$\frac{40,000}{133,706,547}$	1,292,799,998	$\frac{107}{1,616}$	1,292,800,001	$\frac{1,509}{1,616}$	51,712
<i>Basis</i>			<i>Perpendicularum</i>			<i>Basis</i>			<i>Hypotenusa</i>			Numeri primi Baseos
100,000 Hypotenusa			100,000 Perpendicularum			100,000 Basis			Hypotenusa			

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

16 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
51,200	1,280,000,001	$\frac{61}{64}$	1,279,999,998	$\frac{3}{64}$	100,000	$\frac{200,000}{655,359,999}$	7	$\frac{532,480,007}{655,359,999}$	99,999	$\frac{655,160,001}{655,360,001}$	7	$\frac{532,479,993}{655,360,001}$
50,944	1,273,600,001	$\frac{1,533}{1,592}$	1,273,599,998	$\frac{59}{1,592}$	100,000	$\frac{200,000}{648,822,783}$	7	$\frac{552,640,519}{648,822,783}$	99,999	$\frac{129,724,557}{129,764,557}$	7	$\frac{110,528,101}{129,764,557}$
50,688	1,267,200,001	$\frac{1,541}{1,584}$	1,267,199,998	$\frac{43}{1,584}$	100,000	$\frac{40,000}{128,463,667}$	7	$\frac{114,514,331}{128,463,667}$	99,999	$\frac{642,118,337}{642,318,337}$	7	$\frac{572,571,641}{642,318,337}$
50,432	1,260,800,001	$\frac{1,549}{1,576}$	1,260,799,998	$\frac{27}{1,576}$	100,000	$\frac{40,000}{127,169,331}$	7	$\frac{118,454,683}{127,169,331}$	99,999	$\frac{635,646,657}{635,846,657}$	7	$\frac{592,273,401}{635,846,657}$
50,176	1,254,400,001	$\frac{1,557}{1,568}$	1,254,399,998	$\frac{11}{1,568}$	100,000	$\frac{200,000}{629,407,743}$	7	$\frac{611,745,799}{629,407,743}$	99,999	$\frac{125,841,549}{125,881,549}$	7	$\frac{122,349,157}{125,881,549}$
49,920	1,248,000,002	$\frac{1}{312}$	1,247,999,997	$\frac{311}{312}$	100,000	$\frac{200,000}{623,001,599}$	8	$\frac{7,987,208}{623,001,599}$	99,999	$\frac{622,801,601}{623,001,601}$	8	$\frac{7,987,192}{623,001,601}$
49,664	1,241,600,002	$\frac{21}{1,552}$	1,241,599,997	$\frac{1,531}{1,552}$	100,000	$\frac{200,000}{616,628,223}$	8	$\frac{33,374,216}{616,628,223}$	99,999	$\frac{24,657,129}{24,665,129}$	8	$\frac{1,334,068}{24,665,129}$
49,408	1,235,200,002	$\frac{37}{1,544}$	1,235,199,997	$\frac{1,507}{1,544}$	100,000	$\frac{40,000}{122,057,523}$	8	$\frac{11,699,816}{122,057,523}$	99,999	$\frac{610,087,617}{610,287,617}$	8	$\frac{58,499,064}{610,287,617}$
49,152	1,228,800,002	$\frac{53}{1,536}$	1,228,799,997	$\frac{1,483}{1,536}$	100,000	$\frac{8,000}{24,159,191}$	8	$\frac{3,334,472}{24,159,191}$	99,999	$\frac{603,779,777}{603,979,777}$	8	$\frac{83,361,784}{603,979,777}$
48,896	1,222,400,002	$\frac{69}{1,528}$	1,222,399,997	$\frac{1,459}{1,528}$	100,000	$\frac{200,000}{597,704,703}$	8	$\frac{107,962,376}{597,704,703}$	99,999	$\frac{119,509,941}{119,549,941}$	8	$\frac{21,592,472}{119,549,941}$
48,640	1,216,000,002	$\frac{17}{304}$	1,215,999,997	$\frac{287}{304}$	100,000	$\frac{200,000}{591,462,399}$	8	$\frac{132,300,808}{591,462,399}$	99,999	$\frac{591,262,401}{591,462,401}$	8	$\frac{132,300,792}{591,462,401}$
48,384	1,209,600,002	$\frac{101}{1,512}$	1,209,599,997	$\frac{1,411}{1,512}$	100,000	$\frac{200,000}{585,252,863}$	8	$\frac{156,377,996}{585,252,863}$	99,999	$\frac{117,010,573}{117,050,573}$	8	$\frac{31,275,416}{117,050,573}$
48,128	1,203,200,002	$\frac{117}{1,504}$	1,203,199,997	$\frac{1,387}{1,504}$	100,000	$\frac{40,000}{115,815,219}$	8	$\frac{36,038,248}{115,815,219}$	99,999	$\frac{578,876,097}{579,076,097}$	8	$\frac{180,191,224}{579,076,097}$
47,872	1,196,800,002	$\frac{133}{1,496}$	1,196,799,997	$\frac{1,363}{1,496}$	100,000	$\frac{40,000}{114,586,419}$	8	$\frac{40,748,648}{114,586,419}$	99,999	$\frac{572,732,097}{572,932,097}$	8	$\frac{203,743,224}{572,932,097}$
47,616	1,190,400,002	$\frac{149}{1,488}$	1,190,399,997	$\frac{1,339}{1,488}$	100,000	$\frac{200,000}{566,820,863}$	8	$\frac{227,033,996}{566,820,863}$	99,999	$\frac{113,324,173}{113,364,173}$	8	$\frac{45,406,616}{113,364,173}$
47,360	1,184,000,002	$\frac{33}{296}$	1,183,999,997	$\frac{263}{296}$	100,000	$\frac{200,000}{560,742,399}$	8	$\frac{250,060,808}{560,742,399}$	99,999	$\frac{560,542,401}{560,742,401}$	8	$\frac{250,060,792}{560,742,401}$
47,104	1,177,600,002	$\frac{181}{1,472}$	1,177,599,997	$\frac{1,291}{1,472}$	100,000	$\frac{200,000}{554,696,703}$	8	$\frac{272,826,376}{554,696,703}$	99,999	$\frac{110,899,341}{110,939,341}$	8	$\frac{54,565,272}{110,939,341}$
46,848	1,171,200,002	$\frac{197}{1,464}$	1,171,199,997	$\frac{1,267}{1,464}$	100,000	$\frac{8,000}{21,947,351}$	8	$\frac{11,813,192}{21,947,351}$	99,999	$\frac{548,483,777}{548,683,777}$	8	$\frac{295,329,784}{548,683,777}$
46,592	1,164,800,002	$\frac{213}{1,456}$	1,164,799,997	$\frac{1,243}{1,456}$	100,000	$\frac{40,000}{108,540,723}$	8	$\frac{63,514,216}{108,540,723}$	99,999	$\frac{542,593,617}{542,793,617}$	8	$\frac{317,571,064}{542,793,617}$
46,336	1,158,400,002	$\frac{229}{1,448}$	1,158,399,997	$\frac{1,219}{1,448}$	100,000	$\frac{200,000}{536,756,223}$	8	$\frac{339,550,216}{536,756,223}$	99,999	$\frac{21,462,249}{21,470,249}$	8	$\frac{13,582,008}{21,470,249}$
46,080	1,152,000,002	$\frac{49}{288}$	1,151,999,997	$\frac{239}{288}$	100,000	$\frac{200,000}{530,841,599}$	8	$\frac{361,267,208}{530,841,599}$	99,999	$\frac{530,641,601}{530,841,601}$	8	$\frac{361,267,192}{530,841,601}$
45,824	1,145,600,002	$\frac{261}{1,432}$	1,145,599,997	$\frac{1,171}{1,432}$	100,000	$\frac{200,000}{524,959,743}$	8	$\frac{382,722,056}{524,959,743}$	99,999	$\frac{104,951,949}{104,991,949}$	8	$\frac{76,544,408}{104,991,949}$
45,568	1,139,200,002	$\frac{277}{1,424}$	1,139,199,997	$\frac{1,147}{1,424}$	100,000	$\frac{40,000}{103,822,131}$	8	$\frac{80,782,952}{103,822,131}$	99,999	$\frac{518,910,657}{519,110,657}$	8	$\frac{493,914,744}{519,110,657}$
45,312	1,132,800,002	$\frac{293}{1,416}$	1,132,799,997	$\frac{1,123}{1,416}$	100,000	$\frac{40,000}{102,658,867}$	8	$\frac{84,969,064}{102,658,867}$	99,999	$\frac{513,994,337}{513,294,337}$	8	$\frac{424,845,304}{513,294,337}$
45,056	1,126,400,002	$\frac{309}{1,408}$	1,126,399,997	$\frac{1,099}{1,408}$	100,000	$\frac{200,000}{507,510,783}$	8	$\frac{445,513,736}{507,510,783}$	99,999	$\frac{101,462,157}{101,502,157}$	8	$\frac{89,102,744}{101,502,157}$
44,800	1,120,000,002	$\frac{13}{56}$	1,119,999,997	$\frac{43}{56}$	100,000	$\frac{200,000}{501,759,999}$	8	$\frac{465,920,008}{501,759,999}$	99,999	$\frac{501,560,001}{501,760,001}$	8	$\frac{465,919,992}{501,760,001}$
44,544	1,113,600,002	$\frac{341}{1,392}$	1,113,599,997	$\frac{1,051}{1,392}$	100,000	$\frac{200,000}{496,041,983}$	8	$\frac{486,064,136}{496,041,983}$	99,999	$\frac{99,168,397}{99,208,397}$	8	$\frac{97,212,824}{99,208,397}$
44,288	1,107,200,002	$\frac{357}{1,384}$	1,107,199,997	$\frac{1,027}{1,384}$	100,000	$\frac{40,000}{98,071,347}$	9	$\frac{3,117,877}{98,071,347}$	99,999	$\frac{490,156,737}{490,356,737}$	9	$\frac{15,589,367}{490,356,737}$
44,032	1,100,800,002	$\frac{373}{1,376}$	1,100,799,997	$\frac{1,003}{1,376}$	100,000	$\frac{40,000}{96,940,851}$	9	$\frac{8,172,341}{96,940,851}$	99,999	$\frac{484,504,257}{484,704,257}$	9	$\frac{40,861,687}{484,704,257}$
43,776	1,094,400,002	$\frac{389}{1,368}$	1,094,399,997	$\frac{979}{1,368}$	100,000	$\frac{200,000}{479,084,543}$	9	$\frac{65,839,113}{479,084,543}$	99,999	$\frac{95,776,909}{95,816,909}$	9	$\frac{13,167,819}{95,816,909}$
43,520	1,088,000,002	$\frac{81}{272}$	1,087,999,997	$\frac{191}{272}$	100,000	$\frac{200,000}{473,497,599}$	9	$\frac{90,521,609}{473,497,599}$	99,999	$\frac{473,297,601}{473,497,601}$	9	$\frac{90,521,591}{473,497,601}$
43,264	1,081,600,002	$\frac{421}{1,352}$	1,081,599,997	$\frac{931}{1,352}$	100,000	$\frac{200,000}{467,943,423}$	9	$\frac{114,909,193}{467,943,423}$	99,999	$\frac{18,709,737}{18,717,737}$	9	$\frac{4,596,367}{18,717,737}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
	Basis		Basis		Perpendicularum		Perpendicularum		Hypotenusa		Hypotenusa	

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM										17		
SERIES I.			SERIES II.			SERIES III.						
9	$\frac{139,001,847}{462,422,017}$	99,999	$\frac{462,222,017}{462,422,017}$	9	$\frac{27,800,373}{92,484,403}$	100,000	$\frac{40,000}{92,484,403}$	1,075,199,997	$\frac{907}{1,344}$	1,075,200,002	$\frac{437}{1,344}$	43,008
9	$\frac{162,799,607}{456,933,377}$	99,999	$\frac{456,733,377}{456,933,377}$	9	$\frac{1,302,397}{3,655,467}$	100,000	$\frac{1,600}{3,655,467}$	1,068,799,997	$\frac{883}{1,336}$	1,068,800,002	$\frac{453}{1,336}$	42,752
9	$\frac{37,260,491}{90,295,501}$	99,999	$\frac{90,255,501}{90,295,501}$	9	$\frac{186,302,473}{451,477,503}$	100,000	$\frac{200,000}{451,477,503}$	1,062,399,997	$\frac{859}{1,328}$	1,062,400,002	$\frac{469}{1,328}$	42,496
9	$\frac{209,510,391}{446,054,401}$	99,999	$\frac{445,854,401}{446,054,401}$	9	$\frac{209,510,409}{446,054,399}$	100,000	$\frac{200,000}{446,054,399}$	1,055,999,997	$\frac{167}{264}$	1,056,000,002	$\frac{97}{264}$	42,240
9	$\frac{46,484,683}{88,132,813}$	99,999	$\frac{88,092,813}{88,132,813}$	9	$\frac{232,423,433}{440,664,063}$	100,000	$\frac{200,000}{440,664,063}$	1,049,599,997	$\frac{811}{1,312}$	1,049,600,002	$\frac{501}{1,312}$	41,984
9	$\frac{255,041,527}{435,306,497}$	99,999	$\frac{435,100,497}{435,306,497}$	9	$\frac{51,008,309}{87,061,299}$	100,000	$\frac{40,000}{87,061,299}$	1,043,199,997	$\frac{787}{1,304}$	1,043,200,002	$\frac{517}{1,304}$	41,728
9	$\frac{277,364,727}{429,981,697}$	99,999	$\frac{429,781,697}{429,981,697}$	9	$\frac{55,472,949}{85,996,339}$	100,000	$\frac{40,000}{85,996,339}$	1,036,799,997	$\frac{763}{1,296}$	1,036,800,002	$\frac{533}{1,296}$	41,472
9	$\frac{59,878,603}{84,937,933}$	99,999	$\frac{84,897,933}{84,937,933}$	9	$\frac{299,393,933}{424,689,663}$	100,000	$\frac{200,000}{424,689,663}$	1,030,399,997	$\frac{739}{1,288}$	1,030,400,002	$\frac{549}{1,288}$	41,216
9	$\frac{321,126,391}{419,430,401}$	99,999	$\frac{419,230,401}{419,430,401}$	9	$\frac{321,126,409}{419,430,399}$	100,000	$\frac{200,000}{419,430,399}$	1,023,999,997	$\frac{143}{256}$	1,024,000,002	$\frac{113}{256}$	40,960
9	$\frac{68,512,971}{82,840,781}$	99,999	$\frac{82,800,781}{82,840,781}$	9	$\frac{342,564,873}{414,203,903}$	100,000	$\frac{200,000}{414,203,903}$	1,017,599,997	$\frac{691}{1,272}$	1,017,600,002	$\frac{581}{1,272}$	40,704
9	$\frac{363,708,407}{409,010,177}$	99,999	$\frac{408,810,177}{409,010,177}$	9	$\frac{14,548,337}{16,360,407}$	100,000	$\frac{8,000}{16,360,407}$	1,011,199,997	$\frac{667}{1,264}$	1,011,200,002	$\frac{597}{1,264}$	40,448
9	$\frac{384,557,047}{403,849,217}$	99,999	$\frac{403,649,217}{403,849,217}$	9	$\frac{76,911,413}{80,769,843}$	100,000	$\frac{40,000}{80,769,843}$	1,004,799,997	$\frac{643}{1,256}$	1,004,800,002	$\frac{613}{1,256}$	40,192
10	$\frac{255,590}{15,948,841}$	99,999	$\frac{15,940,841}{15,948,841}$	10	$\frac{6,389,770}{398,721,023}$	100,000	$\frac{200,000}{398,721,023}$	998,399,997	$\frac{619}{1,248}$	998,400,002	$\frac{629}{1,248}$	39,936
10	$\frac{31,743,990}{393,625,601}$	99,999	$\frac{393,425,601}{393,625,601}$	10	$\frac{31,744,010}{393,625,599}$	100,000	$\frac{200,000}{393,625,599}$	991,999,997	$\frac{119}{248}$	992,000,002	$\frac{129}{248}$	39,680
10	$\frac{11,354,110}{77,712,589}$	99,999	$\frac{77,672,589}{77,712,589}$	10	$\frac{56,770,570}{388,562,943}$	100,000	$\frac{200,000}{388,562,943}$	985,599,997	$\frac{571}{1,232}$	985,600,002	$\frac{661}{1,232}$	39,424
10	$\frac{81,469,430}{383,533,057}$	99,999	$\frac{383,333,057}{383,533,057}$	10	$\frac{16,293,890}{76,706,611}$	100,000	$\frac{40,000}{76,706,611}$	979,199,997	$\frac{547}{1,224}$	979,200,002	$\frac{677}{1,224}$	39,168
10	$\frac{105,840,630}{378,535,937}$	99,999	$\frac{378,335,937}{378,535,937}$	10	$\frac{21,168,130}{75,707,187}$	100,000	$\frac{40,000}{75,707,187}$	972,799,997	$\frac{523}{1,216}$	972,800,002	$\frac{693}{1,216}$	38,912
10	$\frac{25,976,830}{74,714,317}$	99,999	$\frac{74,674,317}{74,714,317}$	10	$\frac{129,884,170}{373,571,583}$	100,000	$\frac{200,000}{373,571,583}$	966,399,997	$\frac{499}{1,208}$	966,400,002	$\frac{709}{1,208}$	38,656
10	$\frac{153,599,990}{368,640,001}$	99,999	$\frac{368,440,001}{368,640,001}$	10	$\frac{153,600,010}{368,639,999}$	100,000	$\frac{200,000}{368,639,999}$	959,999,997	$\frac{19}{48}$	960,000,002	$\frac{29}{48}$	38,400
10	$\frac{35,397,630}{72,748,237}$	99,999	$\frac{72,708,237}{72,748,237}$	10	$\frac{176,988,170}{363,741,183}$	100,000	$\frac{200,000}{363,741,183}$	953,599,997	$\frac{451}{1,192}$	953,600,002	$\frac{741}{1,192}$	38,144
10	$\frac{200,048,630}{358,875,137}$	99,999	$\frac{358,675,137}{358,875,137}$	10	$\frac{40,009,730}{71,775,027}$	100,000	$\frac{40,000}{71,775,027}$	947,199,997	$\frac{427}{1,184}$	947,200,002	$\frac{757}{1,184}$	37,888
10	$\frac{222,781,430}{354,041,857}$	99,999	$\frac{353,841,857}{354,041,857}$	10	$\frac{44,556,290}{70,808,371}$	100,000	$\frac{40,000}{70,808,371}$	940,799,997	$\frac{403}{1,176}$	940,800,002	$\frac{773}{1,176}$	37,632
10	$\frac{49,037,310}{69,848,269}$	99,999	$\frac{69,808,269}{69,848,269}$	10	$\frac{245,186,570}{349,241,343}$	100,000	$\frac{200,000}{349,241,343}$	934,399,997	$\frac{379}{1,168}$	934,400,002	$\frac{789}{1,168}$	37,376
10	$\frac{267,263,990}{344,473,601}$	99,999	$\frac{344,273,601}{344,473,601}$	10	$\frac{267,264,010}{344,473,599}$	100,000	$\frac{200,000}{344,473,599}$	927,999,997	$\frac{71}{232}$	928,000,002	$\frac{161}{232}$	37,120
10	$\frac{2,312,110}{2,717,909}$	99,999	$\frac{2,716,309}{2,717,909}$	10	$\frac{289,013,770}{339,738,623}$	100,000	$\frac{200,000}{339,738,623}$	921,599,997	$\frac{331}{1,152}$	921,600,002	$\frac{821}{1,152}$	36,864
10	$\frac{310,435,830}{335,036,417}$	99,999	$\frac{334,836,417}{335,036,417}$	10	$\frac{62,087,170}{67,007,283}$	100,000	$\frac{40,000}{67,007,283}$	915,199,997	$\frac{307}{1,144}$	915,200,002	$\frac{837}{1,144}$	36,608
11	$\frac{1,163,253}{330,366,977}$	99,999	$\frac{330,166,977}{330,366,977}$	11	$\frac{46,531}{13,214,679}$	100,000	$\frac{8,000}{13,214,679}$	908,799,997	$\frac{283}{1,136}$	908,800,002	$\frac{853}{1,136}$	36,352
11	$\frac{5,313,329}{65,146,061}$	99,999	$\frac{65,106,061}{65,146,061}$	11	$\frac{26,566,667}{325,739,393}$	100,000	$\frac{200,000}{325,739,393}$	902,399,997	$\frac{259}{1,128}$	902,400,002	$\frac{869}{1,128}$	36,096
11	$\frac{51,609,589}{321,126,401}$	99,999	$\frac{320,926,401}{321,126,401}$	11	$\frac{51,609,611}{321,126,399}$	100,000	$\frac{200,000}{321,126,399}$	895,999,997	$\frac{47}{224}$	896,000,002	$\frac{177}{224}$	35,840
11	$\frac{15,258,417}{63,311,053}$	99,999	$\frac{63,271,053}{63,311,053}$	11	$\frac{76,292,107}{316,555,263}$	100,000	$\frac{200,000}{316,555,263}$	889,599,997	$\frac{211}{1,112}$	889,600,002	$\frac{901}{1,112}$	35,584
11	$\frac{100,614,133}{312,016,897}$	99,999	$\frac{311,816,897}{312,016,897}$	11	$\frac{20,122,831}{62,403,379}$	100,000	$\frac{40,000}{62,403,379}$	883,199,997	$\frac{187}{1,104}$	883,200,002	$\frac{917}{1,104}$	35,328
11	$\frac{124,575,733}{307,511,297}$	99,999	$\frac{307,371,297}{307,511,297}$	11	$\frac{24,915,151}{61,502,259}$	100,000	$\frac{40,000}{61,502,259}$	876,799,997	$\frac{163}{1,096}$	876,800,002	$\frac{933}{1,096}$	35,072
11	$\frac{29,635,377}{60,607,693}$	99,999	$\frac{60,567,693}{60,607,693}$	11	$\frac{148,176,907}{303,038,463}$	100,000	$\frac{200,000}{303,038,463}$	870,399,997	$\frac{139}{1,088}$	870,400,002	$\frac{949}{1,088}$	34,816
11	$\frac{171,417,589}{298,598,401}$	99,999	$\frac{298,398,401}{298,598,401}$	11	$\frac{171,417,611}{298,598,399}$	100,000	$\frac{200,000}{298,598,399}$	863,999,997	$\frac{23}{216}$	864,000,002	$\frac{193}{216}$	34,560
<i>Basis</i>			<i>Perpendicularum</i>			<i>Basis</i>			<i>Hypotenusa</i>			Numeri primi Baseos
100,000 Hypotenusa			100,000 Perpendicularum			100,000 Basis			Hypotenusa			

Viete's *Canon mathematicus : Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

18 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
34,304	857,600,002	$\frac{981}{1,072}$	857,599,997	$\frac{91}{1,072}$	100,000	$\frac{200,000}{294,191,103}$	11	$\frac{194,297,867}{294,191,103}$	99,999	$\frac{58,798,221}{58,838,221}$	11	$\frac{38,859,569}{58,838,221}$
34,048	851,200,002	$\frac{997}{1,064}$	851,199,997	$\frac{67}{1,064}$	100,000	$\frac{8,000}{11,592,663}$	11	$\frac{8,672,707}{11,592,663}$	99,999	$\frac{289,616,577}{289,816,577}$	11	$\frac{216,817,653}{289,816,577}$
33,792	844,800,002	$\frac{1,013}{1,056}$	844,799,997	$\frac{43}{1,056}$	100,000	$\frac{40,000}{57,094,963}$	11	$\frac{47,795,407}{57,094,963}$	99,999	$\frac{285,274,817}{285,474,817}$	11	$\frac{238,977,913}{285,474,817}$
33,536	838,400,002	$\frac{1,029}{1,048}$	838,399,997	$\frac{19}{1,048}$	100,000	$\frac{200,000}{281,165,823}$	11	$\frac{260,775,947}{281,165,823}$	99,999	$\frac{11,238,633}{11,246,633}$	11	$\frac{10,431,037}{11,246,633}$
33,280	832,000,003	$\frac{1}{208}$	831,999,996	$\frac{207}{208}$	100,000	$\frac{200,000}{276,889,599}$	12	$\frac{5,324,812}{276,889,599}$	99,999	$\frac{276,689,601}{276,889,601}$	12	$\frac{5,324,788}{276,889,601}$
33,024	825,600,003	$\frac{29}{1,032}$	825,599,996	$\frac{1,003}{1,032}$	100,000	$\frac{200,000}{272,646,143}$	12	$\frac{30,646,284}{272,646,143}$	99,999	$\frac{54,489,229}{54,529,229}$	12	$\frac{6,129,252}{54,529,229}$
32,768	819,200,003	$\frac{53}{1,024}$	819,199,996	$\frac{971}{1,024}$	100,000	$\frac{40,000}{53,687,091}$	12	$\frac{11,114,908}{53,687,091}$	99,999	$\frac{268,235,457}{268,435,457}$	12	$\frac{55,574,516}{268,435,457}$
32,512	812,800,003	$\frac{77}{1,016}$	812,799,996	$\frac{939}{1,016}$	100,000	$\frac{40,000}{52,851,507}$	12	$\frac{16,021,916}{52,851,507}$	99,999	$\frac{264,057,537}{264,257,537}$	12	$\frac{80,109,556}{264,257,537}$
32,256	806,400,003	$\frac{101}{1,008}$	806,399,996	$\frac{907}{1,008}$	100,000	$\frac{200,000}{260,112,383}$	12	$\frac{104,251,404}{260,112,383}$	99,999	$\frac{51,982,477}{52,022,477}$	12	$\frac{20,850,276}{52,022,477}$
32,000	800,000,003	$\frac{1}{8}$	799,999,996	$\frac{7}{8}$	100,000	$\frac{200,000}{255,999,999}$	12	$\frac{128,000,012}{255,999,999}$	99,999	$\frac{255,800,001}{256,000,001}$	12	$\frac{127,999,988}{256,000,001}$
31,744	793,600,003	$\frac{149}{992}$	793,599,996	$\frac{843}{992}$	100,000	$\frac{200,000}{251,920,383}$	12	$\frac{151,355,404}{251,920,383}$	99,999	$\frac{50,344,077}{50,384,077}$	12	$\frac{30,271,076}{50,384,077}$
31,488	787,200,003	$\frac{173}{984}$	787,199,996	$\frac{811}{984}$	100,000	$\frac{40,000}{49,574,707}$	12	$\frac{34,863,516}{49,574,707}$	99,999	$\frac{247,673,537}{247,873,537}$	12	$\frac{174,317,556}{247,873,537}$
31,232	780,800,003	$\frac{197}{976}$	780,799,996	$\frac{779}{976}$	100,000	$\frac{40,000}{48,771,891}$	12	$\frac{39,377,308}{48,771,891}$	99,999	$\frac{243,659,457}{243,859,457}$	12	$\frac{196,886,516}{243,859,457}$
30,976	774,400,003	$\frac{221}{968}$	774,399,996	$\frac{747}{968}$	100,000	$\frac{200,000}{239,878,143}$	12	$\frac{219,062,284}{239,878,143}$	99,999	$\frac{47,935,629}{47,975,629}$	12	$\frac{43,812,452}{47,975,629}$
30,720	768,000,003	$\frac{49}{192}$	767,999,996	$\frac{143}{192}$	100,000	$\frac{200,000}{235,929,599}$	13	$\frac{4,915,213}{235,929,599}$	99,999	$\frac{235,729,601}{235,929,601}$	13	$\frac{4,915,187}{235,929,601}$
30,464	761,600,003	$\frac{269}{952}$	761,599,996	$\frac{683}{952}$	100,000	$\frac{200,000}{232,013,823}$	13	$\frac{30,220,301}{232,013,823}$	99,999	$\frac{9,272,553}{9,280,553}$	13	$\frac{1,208,811}{9,280,553}$
30,208	755,200,003	$\frac{293}{944}$	755,199,996	$\frac{651}{944}$	100,000	$\frac{40,000}{45,626,163}$	13	$\frac{11,019,881}{45,626,163}$	99,999	$\frac{227,930,817}{228,130,817}$	13	$\frac{55,099,379}{228,130,817}$
29,952	748,800,003	$\frac{317}{936}$	748,799,996	$\frac{619}{936}$	100,000	$\frac{8,000}{8,971,223}$	13	$\frac{3,182,101}{8,971,223}$	99,999	$\frac{224,080,577}{224,280,577}$	13	$\frac{79,552,499}{224,280,577}$
29,696	742,400,003	$\frac{341}{928}$	742,399,996	$\frac{587}{928}$	100,000	$\frac{200,000}{220,463,103}$	13	$\frac{103,579,661}{220,463,103}$	99,999	$\frac{44,052,621}{44,092,621}$	13	$\frac{20,715,927}{44,092,621}$
29,440	736,000,003	$\frac{73}{184}$	735,999,996	$\frac{111}{184}$	100,000	$\frac{200,000}{216,678,399}$	13	$\frac{127,180,813}{216,678,399}$	99,999	$\frac{216,478,401}{216,678,401}$	13	$\frac{127,180,787}{216,678,401}$
29,184	729,600,003	$\frac{389}{912}$	729,599,996	$\frac{523}{912}$	100,000	$\frac{200,000}{212,926,463}$	13	$\frac{150,355,981}{212,926,463}$	99,999	$\frac{42,545,293}{42,585,293}$	13	$\frac{30,071,191}{42,585,293}$
28,928	723,200,003	$\frac{413}{904}$	723,199,996	$\frac{491}{904}$	100,000	$\frac{40,000}{41,841,459}$	13	$\frac{34,621,933}{41,841,459}$	99,999	$\frac{209,007,297}{209,207,297}$	13	$\frac{173,105,139}{209,207,297}$
28,672	716,800,003	$\frac{437}{896}$	716,799,996	$\frac{459}{896}$	100,000	$\frac{40,000}{41,104,179}$	13	$\frac{39,085,673}{41,104,179}$	99,999	$\frac{205,320,897}{205,520,897}$	13	$\frac{195,428,339}{205,520,897}$
28,416	710,400,003	$\frac{461}{888}$	710,399,996	$\frac{427}{888}$	100,000	$\frac{200,000}{201,867,263}$	14	$\frac{15,458,318}{201,867,263}$	99,999	$\frac{40,333,453}{40,373,453}$	14	$\frac{3,091,658}{40,373,453}$
28,160	704,000,003	$\frac{97}{176}$	703,999,996	$\frac{79}{176}$	100,000	$\frac{200,000}{198,246,399}$	14	$\frac{40,550,414}{198,246,399}$	99,999	$\frac{198,046,401}{198,246,401}$	14	$\frac{40,550,386}{198,246,401}$
27,904	697,600,003	$\frac{509}{872}$	697,599,996	$\frac{363}{872}$	100,000	$\frac{200,000}{194,658,303}$	14	$\frac{65,183,758}{194,658,303}$	99,999	$\frac{38,891,661}{38,931,661}$	14	$\frac{13,036,746}{38,931,661}$
27,648	691,200,003	$\frac{533}{864}$	691,199,996	$\frac{331}{864}$	100,000	$\frac{8,000}{7,644,119}$	14	$\frac{3,574,334}{7,644,119}$	99,999	$\frac{190,902,977}{191,102,977}$	14	$\frac{89,358,322}{191,102,977}$
27,392	684,800,003	$\frac{557}{856}$	684,799,996	$\frac{299}{856}$	100,000	$\frac{40,000}{37,516,083}$	14	$\frac{22,614,838}{37,516,083}$	99,999	$\frac{187,380,417}{187,580,417}$	14	$\frac{113,074,162}{187,580,417}$
27,136	678,400,003	$\frac{581}{848}$	678,399,996	$\frac{267}{848}$	100,000	$\frac{200,000}{184,090,623}$	14	$\frac{136,331,278}{184,090,623}$	99,999	$\frac{58,845}{58,909}$	14	$\frac{43,626}{58,909}$
26,880	672,000,003	$\frac{121}{168}$	671,999,996	$\frac{47}{168}$	100,000	$\frac{200,000}{180,633,599}$	14	$\frac{159,129,614}{180,633,599}$	99,999	$\frac{180,433,601}{180,633,601}$	14	$\frac{159,129,586}{180,633,601}$
26,624	665,600,003	$\frac{629}{832}$	665,599,996	$\frac{203}{832}$	100,000	$\frac{200,000}{177,209,343}$	15	$\frac{4,259,855}{177,209,343}$	99,999	$\frac{35,401,869}{35,441,869}$	15	$\frac{851,065}{35,441,869}$
26,368	659,200,003	$\frac{653}{824}$	659,199,996	$\frac{171}{824}$	100,000	$\frac{40,000}{34,763,571}$	15	$\frac{5,906,435}{34,763,571}$	99,999	$\frac{173,617,857}{173,817,857}$	15	$\frac{29,532,145}{173,817,857}$
26,112	652,800,003	$\frac{677}{816}$	652,799,996	$\frac{139}{816}$	100,000	$\frac{40,000}{34,091,827}$	15	$\frac{10,862,595}{34,091,827}$	99,999	$\frac{170,259,137}{170,459,137}$	15	$\frac{54,312,945}{170,459,137}$
25,856	646,400,003	$\frac{701}{808}$	646,399,996	$\frac{107}{808}$	100,000	$\frac{200,000}{167,133,183}$	15	$\frac{78,602,255}{167,133,183}$	99,999	$\frac{33,386,637}{33,426,637}$	15	$\frac{15,720,445}{33,426,637}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
	Basis		Basis		Perpendicularum		Perpendicularum		Hypotenusa		Hypotenusa	

Viete's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											19	
SERIES I.			SERIES II.			SERIES III.						
15	$\frac{102,399,985}{163,840,001}$	99,999	$\frac{163,640,001}{163,840,001}$	100,000	$\frac{200,000}{163,839,999}$	639,999,996	$\frac{3}{32}$	640,000,003	$\frac{29}{32}$	25,600		
15	$\frac{114,114,545}{162,205,697}$	99,999	$\frac{162,005,697}{162,205,697}$	100,000	$\frac{40,000}{32,441,139}$	636,799,996	$\frac{59}{796}$	636,800,003	$\frac{737}{796}$	25,472		
15	$\frac{25,141,245}{32,115,917}$	99,999	$\frac{32,075,917}{32,115,917}$	100,000	$\frac{200,000}{160,579,583}$	633,599,996	$\frac{43}{792}$	633,600,003	$\frac{749}{792}$	25,344		
15	$\frac{27,435,005}{31,792,333}$	99,999	$\frac{31,752,333}{31,792,333}$	100,000	$\frac{200,000}{158,961,663}$	630,399,996	$\frac{27}{788}$	630,400,003	$\frac{761}{788}$	25,216		
15	$\frac{148,520,945}{157,351,937}$	99,999	$\frac{157,151,937}{157,351,937}$	100,000	$\frac{40,000}{31,470,387}$	627,199,996	$\frac{11}{784}$	627,200,003	$\frac{773}{784}$	25,088		
16	$\frac{3,993,584}{155,750,401}$	99,999	$\frac{155,550,401}{155,750,401}$	100,000	$\frac{200,000}{155,750,399}$	623,999,995	$\frac{155}{156}$	624,000,004	$\frac{1}{156}$	24,960		
16	$\frac{16,687,088}{154,157,057}$	99,999	$\frac{153,957,057}{154,157,057}$	100,000	$\frac{40,000}{30,831,411}$	620,799,995	$\frac{755}{776}$	620,800,004	$\frac{21}{776}$	24,832		
16	$\frac{5,849,904}{30,514,381}$	99,999	$\frac{30,474,381}{30,514,381}$	100,000	$\frac{200,000}{152,571,903}$	617,599,995	$\frac{735}{772}$	617,600,004	$\frac{37}{772}$	24,704		
16	$\frac{8,336,176}{30,198,989}$	99,999	$\frac{30,158,989}{30,198,989}$	100,000	$\frac{200,000}{150,994,943}$	614,399,995	$\frac{715}{768}$	614,400,004	$\frac{53}{768}$	24,576		
16	$\frac{53,981,168}{149,426,177}$	99,999	$\frac{149,226,177}{149,426,177}$	100,000	$\frac{8,000}{5,977,047}$	611,199,995	$\frac{695}{764}$	611,200,004	$\frac{69}{764}$	24,448		
16	$\frac{66,150,384}{147,865,601}$	99,999	$\frac{147,665,601}{147,865,601}$	100,000	$\frac{200,000}{147,865,599}$	607,999,995	$\frac{135}{152}$	608,000,004	$\frac{17}{152}$	24,320		
16	$\frac{78,188,528}{146,313,217}$	99,999	$\frac{146,113,217}{146,313,217}$	100,000	$\frac{40,000}{29,262,643}$	604,799,995	$\frac{655}{756}$	604,800,004	$\frac{101}{756}$	24,192		
16	$\frac{3,603,824}{5,790,761}$	99,999	$\frac{5,782,761}{5,790,761}$	100,000	$\frac{200,000}{144,769,023}$	601,599,995	$\frac{635}{752}$	601,600,004	$\frac{117}{752}$	24,064		
16	$\frac{4,074,864}{5,729,321}$	99,999	$\frac{5,721,321}{5,729,321}$	100,000	$\frac{200,000}{143,233,023}$	598,399,995	$\frac{615}{748}$	598,400,004	$\frac{133}{748}$	23,936		
16	$\frac{113,516,528}{141,705,217}$	99,999	$\frac{141,505,217}{141,705,217}$	100,000	$\frac{40,000}{28,341,043}$	595,199,995	$\frac{595}{744}$	595,200,004	$\frac{149}{744}$	23,808		
16	$\frac{125,030,384}{140,185,601}$	99,999	$\frac{139,985,601}{140,185,601}$	100,000	$\frac{200,000}{140,185,599}$	591,999,995	$\frac{115}{148}$	592,000,004	$\frac{33}{148}$	23,680		
16	$\frac{136,413,168}{138,674,177}$	99,999	$\frac{138,474,177}{138,674,177}$	100,000	$\frac{8,000}{5,546,967}$	588,799,995	$\frac{555}{736}$	588,800,004	$\frac{181}{736}$	23,552		
17	$\frac{2,098,787}{27,434,189}$	99,999	$\frac{27,394,189}{27,434,189}$	100,000	$\frac{200,000}{137,170,943}$	585,599,995	$\frac{535}{732}$	585,600,004	$\frac{197}{732}$	23,424		
17	$\frac{4,621,923}{27,135,181}$	99,999	$\frac{27,095,181}{27,135,181}$	100,000	$\frac{200,000}{135,675,903}$	582,399,995	$\frac{515}{728}$	582,400,004	$\frac{213}{728}$	23,296		
17	$\frac{35,586,031}{134,189,057}$	99,999	$\frac{133,989,057}{134,189,057}$	100,000	$\frac{40,000}{26,837,811}$	579,199,995	$\frac{495}{724}$	579,200,004	$\frac{229}{724}$	23,168		
17	$\frac{47,923,183}{132,710,401}$	99,999	$\frac{132,510,401}{132,710,401}$	100,000	$\frac{200,000}{132,710,399}$	575,999,995	$\frac{95}{144}$	576,000,004	$\frac{49}{144}$	23,040		
17	$\frac{60,121,071}{131,239,937}$	99,999	$\frac{131,039,937}{131,239,937}$	100,000	$\frac{40,000}{26,247,987}$	572,799,995	$\frac{455}{716}$	572,800,004	$\frac{261}{716}$	22,912		
17	$\frac{14,435,939}{25,955,533}$	99,999	$\frac{25,915,533}{25,955,533}$	100,000	$\frac{200,000}{129,777,663}$	569,599,995	$\frac{435}{712}$	569,600,004	$\frac{277}{712}$	22,784		
17	$\frac{16,819,811}{25,664,717}$	99,999	$\frac{25,624,717}{25,664,717}$	100,000	$\frac{200,000}{128,323,583}$	566,399,995	$\frac{415}{708}$	566,400,004	$\frac{293}{708}$	22,656		
17	$\frac{95,879,151}{126,877,697}$	99,999	$\frac{126,677,697}{126,877,697}$	100,000	$\frac{40,000}{25,375,539}$	563,199,995	$\frac{395}{704}$	563,200,004	$\frac{309}{704}$	22,528		
17	$\frac{107,519,983}{125,440,001}$	99,999	$\frac{125,240,001}{125,440,001}$	100,000	$\frac{200,000}{135,439,999}$	559,999,995	$\frac{15}{28}$	560,000,004	$\frac{13}{28}$	22,400		
17	$\frac{119,021,551}{124,010,497}$	99,999	$\frac{123,810,497}{124,010,497}$	100,000	$\frac{40,000}{24,802,099}$	556,799,995	$\frac{355}{696}$	556,800,004	$\frac{341}{696}$	22,272		
18	$\frac{1,558,934}{24,517,837}$	99,999	$\frac{24,477,837}{24,517,837}$	100,000	$\frac{200,000}{122,589,183}$	553,599,995	$\frac{335}{692}$	553,600,004	$\frac{357}{692}$	22,144		
18	$\frac{4,086,166}{24,235,213}$	99,999	$\frac{24,195,213}{24,235,213}$	100,000	$\frac{200,000}{121,176,063}$	550,399,995	$\frac{315}{688}$	550,400,004	$\frac{373}{688}$	22,016		
18	$\frac{32,919,534}{119,771,137}$	99,999	$\frac{119,571,137}{119,771,137}$	100,000	$\frac{40,000}{23,954,227}$	547,199,995	$\frac{295}{684}$	547,200,004	$\frac{389}{684}$	21,888		
18	$\frac{45,260,782}{118,374,401}$	99,999	$\frac{118,174,401}{118,374,401}$	100,000	$\frac{200,000}{118,374,399}$	543,999,995	$\frac{55}{136}$	544,000,004	$\frac{81}{136}$	21,760		
18	$\frac{57,454,574}{116,985,857}$	99,999	$\frac{116,785,857}{116,985,857}$	100,000	$\frac{40,000}{23,397,171}$	540,799,995	$\frac{255}{676}$	540,800,004	$\frac{421}{676}$	21,632		
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		100,000		100,000		100,000		100,000		Basis		
Hypotenusa		Perpendicularum		Perpendicularum		Basis		Hypotenusa		Hypotenusa		

Viète's Canon mathematicus : Canonion triangulorum (1579) (reconstruction, D. Roegel, 2011)

CANONION TRIANGVLORVM												
20	SERIES III.			SERIES II.			SERIES I.					
21,504	537,600,004	$\frac{437}{672}$	537,599,995	$\frac{235}{672}$	100,000	$\frac{200,000}{115,605,503}$	18	$\frac{69,500,946}{115,605,503}$	99,999	$\frac{23,081,101}{23,121,101}$	18	$\frac{13,900,182}{23,121,101}$
21,376	534,400,004	$\frac{453}{668}$	534,399,995	$\frac{215}{668}$	100,000	$\frac{200,000}{114,233,343}$	18	$\frac{81,399,826}{114,233,343}$	99,999	$\frac{22,806,669}{22,846,669}$	18	$\frac{16,279,958}{22,846,669}$
21,248	531,200,004	$\frac{469}{664}$	531,199,995	$\frac{195}{664}$	100,000	$\frac{320}{180,591}$	18	$\frac{149,042}{180,591}$	99,999	$\frac{112,669,377}{112,869,377}$	18	$\frac{93,151,214}{112,869,377}$
21,120	528,000,004	$\frac{97}{132}$	527,999,995	$\frac{35}{132}$	100,000	$\frac{200,000}{111,513,599}$	18	$\frac{104,755,218}{111,513,599}$	99,999	$\frac{111,313,601}{111,513,601}$	18	$\frac{104,755,182}{111,513,601}$
20,992	524,800,004	$\frac{501}{656}$	524,799,995	$\frac{155}{656}$	100,000	$\frac{40,000}{22,033,203}$	19	$\frac{1,209,143}{22,033,203}$	99,999	$\frac{109,966,017}{110,166,017}$	19	$\frac{6,045,677}{110,166,017}$
20,864	521,600,004	$\frac{517}{652}$	521,599,995	$\frac{135}{652}$	100,000	$\frac{200,000}{108,826,623}$	19	$\frac{18,694,163}{108,826,623}$	99,999	$\frac{869,013}{870,613}$	19	$\frac{149,553}{870,613}$
20,736	518,400,004	$\frac{533}{648}$	518,399,995	$\frac{115}{648}$	100,000	$\frac{200,000}{107,495,423}$	19	$\frac{31,186,963}{107,495,423}$	99,999	$\frac{4,291,817}{4,299,817}$	19	$\frac{1,247,477}{4,299,817}$
20,608	515,200,004	$\frac{549}{644}$	515,199,995	$\frac{95}{644}$	100,000	$\frac{40,000}{21,234,483}$	19	$\frac{8,704,823}{21,234,483}$	99,999	$\frac{105,972,417}{106,172,417}$	19	$\frac{43,524,977}{106,172,417}$
20,480	512,000,004	$\frac{113}{128}$	511,999,995	$\frac{15}{128}$	100,000	$\frac{200,000}{104,857,599}$	19	$\frac{55,705,619}{104,857,599}$	99,999	$\frac{104,657,601}{104,857,601}$	19	$\frac{55,705,581}{104,857,601}$
20,352	508,800,004	$\frac{581}{636}$	508,799,995	$\frac{55}{636}$	100,000	$\frac{8,000}{4,142,039}$	19	$\frac{2,709,259}{4,142,039}$	99,999	$\frac{103,359,977}{103,559,977}$	19	$\frac{67,731,437}{103,559,977}$
20,224	505,600,004	$\frac{597}{632}$	505,599,995	$\frac{35}{632}$	100,000	$\frac{200,000}{102,252,543}$	19	$\frac{79,601,683}{102,252,543}$	99,999	$\frac{20,410,509}{20,450,509}$	19	$\frac{15,920,329}{20,450,509}$
20,096	502,400,004	$\frac{613}{628}$	502,399,995	$\frac{15}{628}$	100,000	$\frac{200,000}{100,962,303}$	19	$\frac{91,316,243}{100,962,303}$	99,999	$\frac{20,152,461}{20,192,461}$	19	$\frac{18,263,241}{20,192,461}$
19,968	499,200,005	$\frac{5}{624}$	499,199,994	$\frac{619}{624}$	100,000	$\frac{40,000}{19,936,051}$	20	$\frac{638,980}{19,936,051}$	99,999	$\frac{99,480,257}{99,680,257}$	20	$\frac{3,194,860}{99,680,257}$
19,840	496,000,005	$\frac{5}{124}$	495,999,994	$\frac{119}{124}$	100,000	$\frac{200,000}{98,406,399}$	20	$\frac{15,872,020}{98,406,399}$	99,999	$\frac{98,206,401}{98,406,401}$	20	$\frac{15,871,980}{98,406,401}$
19,712	492,800,005	$\frac{45}{616}$	492,799,994	$\frac{571}{616}$	100,000	$\frac{40,000}{19,428,147}$	20	$\frac{5,677,060}{19,428,147}$	99,999	$\frac{96,949,737}{97,149,737}$	20	$\frac{28,385,260}{97,149,737}$
19,584	489,600,005	$\frac{65}{612}$	489,599,994	$\frac{547}{612}$	100,000	$\frac{200,000}{95,883,263}$	20	$\frac{40,734,740}{95,883,263}$	99,999	$\frac{19,136,653}{19,176,653}$	20	$\frac{8,146,940}{19,176,653}$
19,456	486,400,005	$\frac{85}{608}$	486,399,994	$\frac{523}{608}$	100,000	$\frac{200,000}{94,633,983}$	20	$\frac{52,920,340}{94,633,983}$	99,999	$\frac{18,886,797}{18,926,797}$	20	$\frac{10,584,060}{18,926,797}$
19,328	483,200,005	$\frac{105}{604}$	483,199,994	$\frac{499}{604}$	100,000	$\frac{40,000}{18,678,579}$	20	$\frac{12,988,420}{18,678,579}$	99,999	$\frac{93,192,897}{93,392,897}$	20	$\frac{64,942,060}{93,392,897}$
19,200	480,000,005	$\frac{5}{24}$	479,999,994	$\frac{19}{24}$	100,000	$\frac{200,000}{92,159,999}$	20	$\frac{76,800,020}{92,159,999}$	99,999	$\frac{91,960,001}{92,160,001}$	20	$\frac{76,799,980}{92,160,001}$
19,072	476,800,005	$\frac{145}{596}$	476,799,994	$\frac{451}{596}$	100,000	$\frac{40,000}{18,187,059}$	20	$\frac{17,698,820}{18,187,059}$	99,999	$\frac{90,735,297}{90,935,297}$	20	$\frac{88,494,060}{90,935,297}$
18,944	473,600,005	$\frac{165}{592}$	473,599,994	$\frac{427}{592}$	100,000	$\frac{200,000}{89,718,783}$	21	$\frac{10,305,557}{89,718,783}$	99,999	$\frac{17,993,757}{17,943,757}$	21	$\frac{2,061,103}{17,943,757}$
18,816	470,400,005	$\frac{185}{588}$	470,399,994	$\frac{403}{588}$	100,000	$\frac{200,000}{88,510,463}$	21	$\frac{22,880,277}{88,510,463}$	99,999	$\frac{17,662,093}{17,702,093}$	21	$\frac{4,576,047}{17,702,093}$
18,688	467,200,005	$\frac{205}{584}$	467,199,994	$\frac{379}{584}$	100,000	$\frac{40,000}{17,462,067}$	21	$\frac{7,056,593}{17,462,067}$	99,999	$\frac{87,110,337}{87,310,337}$	21	$\frac{35,282,923}{87,310,337}$
18,560	464,000,005	$\frac{45}{116}$	463,999,994	$\frac{71}{116}$	100,000	$\frac{200,000}{86,118,399}$	21	$\frac{47,513,621}{86,118,399}$	99,999	$\frac{85,918,401}{86,118,401}$	21	$\frac{47,513,579}{86,118,401}$
18,432	460,800,005	$\frac{245}{576}$	460,799,994	$\frac{331}{576}$	100,000	$\frac{40,000}{16,986,931}$	21	$\frac{11,914,449}{16,986,931}$	99,999	$\frac{84,734,657}{84,934,657}$	21	$\frac{59,572,203}{84,934,657}$
18,304	457,600,005	$\frac{265}{572}$	457,599,994	$\frac{307}{572}$	100,000	$\frac{200,000}{83,759,103}$	21	$\frac{71,458,837}{83,759,103}$	99,999	$\frac{16,711,821}{16,751,821}$	21	$\frac{14,291,759}{16,751,821}$
18,176	454,400,005	$\frac{285}{568}$	454,399,994	$\frac{283}{568}$	100,000	$\frac{200,000}{82,591,743}$	22	$\frac{581,654}{82,591,743}$	99,999	$\frac{16,478,349}{16,518,349}$	22	$\frac{116,322}{16,518,349}$
18,048	451,200,005	$\frac{305}{564}$	451,199,994	$\frac{259}{564}$	100,000	$\frac{8,000}{3,257,393}$	22	$\frac{531,334}{3,257,393}$	99,999	$\frac{81,232,577}{81,432,577}$	22	$\frac{13,283,306}{81,432,577}$
17,920	448,000,005	$\frac{65}{112}$	447,999,994	$\frac{47}{112}$	100,000	$\frac{200,000}{80,281,599}$	22	$\frac{25,804,822}{80,281,599}$	99,999	$\frac{80,081,601}{80,281,601}$	22	$\frac{25,804,778}{80,281,601}$
17,792	444,800,005	$\frac{345}{556}$	444,799,994	$\frac{211}{556}$	100,000	$\frac{40,000}{15,827,763}$	22	$\frac{7,629,214}{15,827,763}$	99,999	$\frac{78,938,817}{79,138,817}$	22	$\frac{38,146,026}{79,138,817}$
17,664	441,600,005	$\frac{365}{552}$	441,599,994	$\frac{187}{552}$	100,000	$\frac{200,000}{78,004,223}$	22	$\frac{50,307,094}{78,004,223}$	99,999	$\frac{3,112,169}{3,120,169}$	22	$\frac{2,012,282}{3,120,169}$
17,536	438,400,005	$\frac{385}{548}$	438,399,994	$\frac{163}{548}$	100,000	$\frac{200,000}{76,877,823}$	22	$\frac{62,287,894}{76,877,823}$	99,999	$\frac{3,067,113}{3,075,113}$	22	$\frac{2,491,514}{3,075,113}$
17,408	435,200,005	$\frac{405}{544}$	435,199,994	$\frac{139}{544}$	100,000	$\frac{40,000}{15,151,923}$	22	$\frac{14,817,694}{15,151,923}$	99,999	$\frac{75,559,617}{75,759,617}$	22	$\frac{74,088,426}{75,759,617}$
17,280	432,000,005	$\frac{85}{108}$	431,999,994	$\frac{23}{108}$	100,000	$\frac{200,000}{74,649,599}$	23	$\frac{11,059,223}{74,649,599}$	99,999	$\frac{74,449,601}{74,649,601}$	23	$\frac{11,059,177}{74,649,601}$
Numeri primi Baseos	<i>Hypotenusa</i>	<i>Perpendicularum</i>	100,000	<i>Hypotenusa</i>	<i>Perpendicularum</i>	100,000	<i>Hypotenusa</i>	<i>Basis</i>	<i>Perpendicularum</i>	100,000	<i>Hypotenusa</i>	<i>Basis</i>

Viète's Canon mathematicus : Canonium triangulorum (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM

SERIES I.			SERIES II.			SERIES III.						
23	$\frac{23,601,129}{73,547,777}$	99,999	$\frac{73,347,777}{73,547,777}$	23	$\frac{944,047}{2,941,911}$	100,000	$\frac{8,000}{2,941,911}$	428,799,994	$\frac{91}{536}$	428,800,005	$\frac{445}{536}$	17,152
23	$\frac{7,190,933}{14,490,829}$	99,999	$\frac{14,450,829}{14,490,829}$	23	$\frac{35,954,711}{72,454,143}$	100,000	$\frac{200,000}{72,454,143}$	425,599,994	$\frac{67}{532}$	425,600,005	$\frac{465}{532}$	17,024
23	$\frac{9,623,957}{14,273,741}$	99,999	$\frac{14,233,741}{14,273,741}$	23	$\frac{48,119,831}{71,368,703}$	100,000	$\frac{200,000}{71,368,703}$	422,399,994	$\frac{43}{528}$	422,400,005	$\frac{485}{528}$	16,896
23	$\frac{60,096,489}{70,291,457}$	99,999	$\frac{70,091,457}{70,291,457}$	23	$\frac{12,019,307}{14,058,291}$	100,000	$\frac{40,000}{14,058,291}$	419,199,994	$\frac{19}{524}$	419,200,005	$\frac{505}{524}$	16,768
24	$\frac{2,662,376}{69,222,401}$	99,999	$\frac{69,022,401}{69,222,401}$	24	$\frac{2,662,424}{69,222,399}$	100,000	$\frac{200,000}{69,222,399}$	415,999,993	$\frac{103}{104}$	416,000,006	$\frac{1}{104}$	16,640
24	$\frac{15,323,112}{68,161,537}$	99,999	$\frac{67,961,537}{68,161,537}$	24	$\frac{3,064,632}{13,632,307}$	100,000	$\frac{40,000}{13,632,307}$	412,799,993	$\frac{487}{516}$	412,800,006	$\frac{29}{516}$	16,512
24	$\frac{5,557,448}{13,421,773}$	99,999	$\frac{13,381,773}{13,421,773}$	24	$\frac{27,787,288}{67,108,863}$	100,000	$\frac{200,000}{67,108,863}$	409,599,993	$\frac{459}{512}$	409,600,006	$\frac{53}{512}$	16,384
24	$\frac{8,010,952}{13,212,877}$	99,999	$\frac{13,172,877}{13,212,877}$	24	$\frac{40,054,808}{66,064,383}$	100,000	$\frac{200,000}{66,064,383}$	406,399,993	$\frac{431}{508}$	406,400,006	$\frac{77}{508}$	16,256
24	$\frac{52,125,672}{65,028,097}$	99,999	$\frac{64,828,097}{65,028,097}$	24	$\frac{10,425,144}{13,005,619}$	100,000	$\frac{40,000}{13,005,619}$	403,199,993	$\frac{403}{504}$	403,200,006	$\frac{101}{504}$	16,128
24	$\frac{63,999,976}{64,000,001}$	99,999	$\frac{63,800,001}{64,000,001}$	25	$\frac{25}{63,999,999}$	100,000	$\frac{200,000}{63,999,999}$	399,999,993	$\frac{3}{4}$	400,000,006	$\frac{1}{4}$	16,000
25	$\frac{12,697,575}{62,980,097}$	99,999	$\frac{62,780,097}{62,980,097}$	25	$\frac{2,539,525}{12,596,019}$	100,000	$\frac{40,000}{12,596,019}$	396,799,993	$\frac{347}{496}$	396,800,006	$\frac{149}{496}$	15,872
25	$\frac{5,038,075}{12,393,677}$	99,999	$\frac{12,353,677}{12,393,677}$	25	$\frac{25,199,425}{61,968,383}$	100,000	$\frac{200,000}{61,968,383}$	393,599,993	$\frac{319}{492}$	393,600,006	$\frac{173}{492}$	15,744
25	$\frac{7,495,675}{12,192,973}$	99,999	$\frac{12,152,973}{12,192,973}$	25	$\frac{37,478,425}{60,964,863}$	100,000	$\frac{200,000}{60,964,863}$	390,399,993	$\frac{291}{488}$	390,400,006	$\frac{197}{488}$	15,616
25	$\frac{49,561,575}{59,969,537}$	99,999	$\frac{59,769,537}{59,969,537}$	25	$\frac{9,912,325}{11,993,907}$	100,000	$\frac{40,000}{11,993,907}$	387,199,993	$\frac{263}{484}$	387,200,006	$\frac{221}{484}$	15,488
26	$\frac{2,457,574}{58,982,401}$	99,999	$\frac{58,782,401}{58,982,401}$	26	$\frac{2,457,626}{58,982,399}$	100,000	$\frac{200,000}{58,982,399}$	383,999,993	$\frac{47}{96}$	384,000,006	$\frac{49}{96}$	15,360
26	$\frac{15,110,118}{58,003,457}$	99,999	$\frac{57,803,457}{58,003,457}$	26	$\frac{3,022,034}{11,600,691}$	100,000	$\frac{40,000}{11,600,691}$	380,799,993	$\frac{207}{476}$	380,800,006	$\frac{269}{476}$	15,232
26	$\frac{5,509,934}{11,406,541}$	99,999	$\frac{11,366,541}{11,406,541}$	26	$\frac{27,549,722}{57,032,703}$	100,000	$\frac{200,000}{57,032,703}$	377,599,993	$\frac{179}{472}$	377,600,006	$\frac{293}{472}$	15,104
26	$\frac{7,955,246}{11,214,029}$	99,999	$\frac{11,174,029}{11,214,029}$	26	$\frac{39,776,282}{56,070,143}$	100,000	$\frac{200,000}{56,070,143}$	374,399,993	$\frac{151}{468}$	374,400,006	$\frac{317}{468}$	14,976
26	$\frac{51,789,798}{55,115,777}$	99,999	$\frac{54,915,777}{55,115,777}$	26	$\frac{2,071,594}{2,204,631}$	100,000	$\frac{8,000}{2,204,631}$	371,199,993	$\frac{123}{464}$	371,200,006	$\frac{341}{464}$	14,848
27	$\frac{9,420,773}{54,169,601}$	99,999	$\frac{53,969,601}{54,169,601}$	27	$\frac{9,420,827}{54,169,599}$	100,000	$\frac{200,000}{54,169,599}$	367,999,993	$\frac{19}{92}$	368,000,006	$\frac{73}{92}$	14,720
27	$\frac{21,946,341}{53,231,617}$	99,999	$\frac{53,031,617}{53,231,617}$	27	$\frac{4,389,279}{10,646,323}$	100,000	$\frac{40,000}{10,646,323}$	364,799,993	$\frac{67}{456}$	364,800,006	$\frac{389}{456}$	14,592
27	$\frac{1,370,029}{2,092,073}$	99,999	$\frac{2,084,073}{2,092,073}$	27	$\frac{34,250,779}{52,301,823}$	100,000	$\frac{200,000}{52,301,823}$	361,599,993	$\frac{39}{452}$	361,600,006	$\frac{413}{452}$	14,464
27	$\frac{1,853,357}{2,055,209}$	99,999	$\frac{2,047,209}{2,055,209}$	27	$\frac{46,333,979}{51,380,223}$	100,000	$\frac{200,000}{51,380,223}$	358,399,993	$\frac{11}{448}$	358,400,006	$\frac{437}{448}$	14,336
28	$\frac{7,729,124}{59,466,817}$	99,999	$\frac{59,266,817}{59,466,817}$	28	$\frac{1,545,836}{10,093,363}$	100,000	$\frac{40,000}{10,093,363}$	355,199,992	$\frac{427}{444}$	355,200,007	$\frac{17}{444}$	14,208
28	$\frac{20,275,172}{49,561,601}$	99,999	$\frac{49,361,601}{49,561,601}$	28	$\frac{20,275,228}{49,561,599}$	100,000	$\frac{200,000}{49,561,599}$	351,999,992	$\frac{79}{88}$	352,000,007	$\frac{9}{88}$	14,080
28	$\frac{32,591,844}{48,664,577}$	99,999	$\frac{48,464,577}{48,664,577}$	28	$\frac{1,393,676}{1,946,583}$	100,000	$\frac{8,000}{1,946,583}$	348,799,992	$\frac{363}{436}$	348,800,007	$\frac{73}{436}$	13,952
28	$\frac{8,935,828}{9,555,149}$	99,999	$\frac{9,515,149}{9,555,149}$	28	$\frac{44,679,166}{47,775,743}$	100,000	$\frac{200,000}{47,775,743}$	345,599,992	$\frac{331}{432}$	345,600,007	$\frac{101}{432}$	13,824
29	$\frac{1,928,391}{9,379,021}$	99,999	$\frac{9,339,021}{9,379,021}$	29	$\frac{9,642,013}{46,895,103}$	100,000	$\frac{200,000}{46,895,103}$	342,399,992	$\frac{299}{428}$	342,400,007	$\frac{129}{428}$	13,696
29	$\frac{22,142,947}{46,022,657}$	99,999	$\frac{45,822,657}{46,022,657}$	29	$\frac{4,428,601}{9,204,531}$	100,000	$\frac{40,000}{9,204,531}$	339,199,992	$\frac{267}{424}$	339,200,007	$\frac{157}{424}$	13,568
29	$\frac{34,406,371}{45,158,401}$	99,999	$\frac{44,958,401}{45,158,401}$	29	$\frac{34,406,429}{45,158,399}$	100,000	$\frac{200,000}{45,158,399}$	335,999,992	$\frac{47}{84}$	336,000,007	$\frac{37}{84}$	13,440
30	$\frac{2,129,890}{44,302,337}$	99,999	$\frac{44,102,337}{44,302,337}$	30	$\frac{425,990}{8,860,467}$	100,000	$\frac{40,000}{8,860,467}$	332,799,992	$\frac{203}{416}$	332,800,007	$\frac{213}{416}$	13,312
30	$\frac{2,953,210}{8,690,893}$	99,999	$\frac{8,650,893}{8,690,893}$	30	$\frac{14,766,110}{43,454,463}$	100,000	$\frac{200,000}{43,454,463}$	329,599,992	$\frac{171}{412}$	329,600,007	$\frac{241}{412}$	13,184
30	$\frac{5,431,290}{8,522,957}$	99,999	$\frac{8,482,957}{8,522,957}$	30	$\frac{27,156,510}{42,614,783}$	100,000	$\frac{200,000}{42,614,783}$	326,399,992	$\frac{139}{408}$	326,400,007	$\frac{269}{408}$	13,056
30	$\frac{39,301,090}{41,783,297}$	99,999	$\frac{41,583,297}{41,783,297}$	30	$\frac{7,860,230}{8,356,659}$	100,000	$\frac{40,000}{8,356,659}$	323,199,992	$\frac{107}{404}$	323,200,007	$\frac{297}{404}$	12,928
Basis		Perpendicularum		Basis		Hypotenusa		Perpendicularum		Hypotenusa		Numeri primi Baseos
100,000		100,000		100,000		100,000		100,000		100,000		
Hypotenusa		Hypotenusa		Perpendicularum		Perpendicularum		Basis		Basis		

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

22 CANONION TRIANGVLORVM												
SERIES III.				SERIES II.				SERIES I.				
12,800	320,000,007	$\frac{13}{16}$	319,999,992	$\frac{3}{16}$	100,000	$\frac{200,000}{40,959,999}$	31	$\frac{10,240,031}{40,959,999}$	99,999	$\frac{40,760,001}{40,960,001}$	31	$\frac{10,239,969}{40,960,001}$
12,736	318,400,007	$\frac{339}{398}$	318,399,992	$\frac{59}{398}$	100,000	$\frac{200,000}{40,551,423}$	31	$\frac{16,505,887}{40,551,423}$	99,999	$\frac{1,614,057}{1,622,057}$	31	$\frac{660,233}{1,622,057}$
12,672	316,800,007	$\frac{353}{396}$	316,799,992	$\frac{43}{396}$	100,000	$\frac{40,000}{8,028,979}$	31	$\frac{4,541,651}{8,028,979}$	99,999	$\frac{39,944,897}{40,144,897}$	31	$\frac{22,708,193}{40,144,897}$
12,608	315,200,007	$\frac{367}{394}$	315,199,992	$\frac{27}{394}$	100,000	$\frac{40,000}{7,948,083}$	31	$\frac{5,769,427}{7,948,083}$	99,999	$\frac{39,549,417}{39,749,417}$	31	$\frac{28,847,073}{39,749,417}$
12,544	313,600,007	$\frac{381}{392}$	313,599,992	$\frac{11}{392}$	100,000	$\frac{200,000}{39,337,983}$	31	$\frac{34,922,527}{39,337,983}$	99,999	$\frac{7,827,597}{7,867,597}$	31	$\frac{6,984,493}{7,867,597}$
12,480	312,000,008	$\frac{1}{78}$	311,999,991	$\frac{77}{78}$	100,000	$\frac{200,000}{38,937,599}$	32	$\frac{1,996,832}{38,937,599}$	99,999	$\frac{38,737,601}{38,937,601}$	32	$\frac{1,996,768}{38,937,601}$
12,416	310,400,008	$\frac{21}{388}$	310,399,991	$\frac{367}{388}$	100,000	$\frac{200,000}{38,539,263}$	32	$\frac{8,343,584}{38,539,263}$	99,999	$\frac{7,667,853}{7,707,853}$	32	$\frac{1,668,704}{7,707,853}$
12,352	308,800,008	$\frac{37}{386}$	308,799,991	$\frac{349}{386}$	100,000	$\frac{8,000}{1,525,719}$	32	$\frac{584,992}{1,525,719}$	99,999	$\frac{37,942,977}{38,142,977}$	32	$\frac{14,624,736}{38,142,977}$
12,288	307,200,008	$\frac{53}{384}$	307,199,991	$\frac{331}{384}$	100,000	$\frac{40,000}{7,549,747}$	32	$\frac{4,168,096}{7,549,747}$	99,999	$\frac{37,548,737}{37,748,737}$	32	$\frac{20,840,416}{37,748,737}$
12,224	305,600,008	$\frac{69}{382}$	305,599,991	$\frac{313}{382}$	100,000	$\frac{200,000}{37,356,543}$	32	$\frac{26,090,624}{37,356,543}$	99,999	$\frac{7,431,309}{7,471,309}$	32	$\frac{5,398,112}{7,471,309}$
12,160	304,000,008	$\frac{17}{76}$	303,999,991	$\frac{59}{76}$	100,000	$\frac{200,000}{36,966,399}$	32	$\frac{33,075,232}{36,966,399}$	99,999	$\frac{36,766,401}{36,966,401}$	32	$\frac{33,075,168}{36,966,401}$
12,096	302,400,008	$\frac{101}{378}$	302,399,991	$\frac{277}{378}$	100,000	$\frac{200,000}{36,578,303}$	33	$\frac{2,516,001}{36,578,303}$	99,999	$\frac{7,275,661}{7,315,661}$	33	$\frac{503,187}{7,315,661}$
12,032	300,800,008	$\frac{117}{376}$	300,799,991	$\frac{259}{376}$	100,000	$\frac{40,000}{7,238,451}$	33	$\frac{1,771,117}{7,238,451}$	99,999	$\frac{35,992,257}{36,192,257}$	33	$\frac{8,855,519}{36,192,257}$
11,968	299,200,008	$\frac{133}{374}$	299,199,991	$\frac{241}{374}$	100,000	$\frac{40,000}{7,161,651}$	33	$\frac{3,025,517}{7,161,651}$	99,999	$\frac{35,608,257}{35,808,257}$	33	$\frac{15,127,519}{35,808,257}$
11,904	297,600,008	$\frac{149}{372}$	297,599,991	$\frac{223}{372}$	100,000	$\frac{200,000}{35,426,303}$	33	$\frac{21,332,001}{35,426,303}$	99,999	$\frac{7,045,261}{7,085,261}$	33	$\frac{4,266,387}{7,085,261}$
11,840	296,000,008	$\frac{33}{74}$	295,999,991	$\frac{41}{74}$	100,000	$\frac{200,000}{35,046,399}$	33	$\frac{27,468,833}{35,046,399}$	99,999	$\frac{34,846,401}{35,046,401}$	33	$\frac{27,468,767}{35,046,401}$
11,776	294,400,008	$\frac{181}{368}$	294,399,991	$\frac{187}{368}$	100,000	$\frac{200,000}{34,668,543}$	33	$\frac{33,538,081}{34,668,543}$	99,999	$\frac{6,893,709}{6,933,709}$	33	$\frac{6,707,603}{6,933,709}$
11,712	292,800,008	$\frac{197}{366}$	292,799,991	$\frac{169}{366}$	100,000	$\frac{40,000}{6,858,547}$	34	$\frac{1,049,402}{6,858,547}$	99,999	$\frac{34,092,737}{34,292,737}$	34	$\frac{5,246,942}{34,292,737}$
11,648	291,200,008	$\frac{213}{364}$	291,199,991	$\frac{151}{364}$	100,000	$\frac{8,000}{1,356,759}$	34	$\frac{462,194}{1,356,759}$	99,999	$\frac{33,718,977}{33,918,977}$	34	$\frac{11,554,782}{33,918,977}$
11,584	289,600,008	$\frac{229}{362}$	289,599,991	$\frac{133}{362}$	100,000	$\frac{200,000}{33,547,263}$	34	$\frac{17,793,058}{33,547,263}$	99,999	$\frac{6,669,453}{6,709,453}$	34	$\frac{3,558,598}{6,709,453}$
11,520	288,000,008	$\frac{49}{72}$	287,999,991	$\frac{23}{72}$	100,000	$\frac{200,000}{33,177,599}$	34	$\frac{23,961,634}{33,177,599}$	99,999	$\frac{32,977,601}{33,177,601}$	34	$\frac{23,961,566}{33,177,601}$
11,456	286,400,008	$\frac{261}{358}$	286,399,991	$\frac{97}{358}$	100,000	$\frac{200,000}{32,809,983}$	34	$\frac{30,060,578}{32,809,983}$	99,999	$\frac{6,521,997}{6,561,997}$	34	$\frac{6,012,102}{6,561,997}$
11,392	284,800,008	$\frac{277}{356}$	284,799,991	$\frac{79}{356}$	100,000	$\frac{40,000}{6,488,883}$	35	$\frac{729,095}{6,488,883}$	99,999	$\frac{32,244,417}{32,444,417}$	35	$\frac{3,645,405}{32,444,417}$
11,328	283,200,008	$\frac{293}{354}$	283,199,991	$\frac{61}{354}$	100,000	$\frac{40,000}{6,416,179}$	35	$\frac{1,993,735}{6,416,179}$	99,999	$\frac{31,880,897}{32,080,897}$	35	$\frac{9,968,605}{32,080,897}$
11,264	281,600,008	$\frac{309}{352}$	281,599,991	$\frac{43}{352}$	100,000	$\frac{200,000}{31,719,423}$	35	$\frac{16,220,195}{31,719,423}$	99,999	$\frac{1,260,777}{1,268,777}$	35	$\frac{648,805}{1,268,777}$
11,200	280,000,008	$\frac{13}{14}$	279,999,991	$\frac{1}{14}$	100,000	$\frac{200,000}{31,359,999}$	35	$\frac{22,400,035}{31,359,999}$	99,999	$\frac{31,160,001}{31,360,001}$	35	$\frac{22,399,965}{31,360,001}$
11,136	278,400,008	$\frac{341}{348}$	278,399,991	$\frac{7}{348}$	100,000	$\frac{200,000}{31,002,623}$	35	$\frac{28,508,195}{31,002,623}$	99,999	$\frac{246,421}{248,021}$	35	$\frac{228,065}{248,021}$
11,072	276,800,009	$\frac{11}{346}$	276,799,990	$\frac{335}{346}$	100,000	$\frac{40,000}{6,129,459}$	36	$\frac{779,476}{6,129,459}$	99,999	$\frac{30,447,297}{30,647,297}$	36	$\frac{3,897,308}{30,647,297}$
11,008	275,200,009	$\frac{29}{344}$	275,199,990	$\frac{315}{344}$	100,000	$\frac{40,000}{6,058,803}$	36	$\frac{2,043,092}{6,058,803}$	99,999	$\frac{30,094,017}{30,294,017}$	36	$\frac{10,215,388}{30,294,017}$
10,944	273,600,009	$\frac{47}{342}$	273,599,990	$\frac{295}{342}$	100,000	$\frac{200,000}{29,942,783}$	36	$\frac{16,459,812}{29,942,783}$	99,999	$\frac{5,948,557}{5,988,557}$	36	$\frac{3,291,948}{5,988,557}$
10,880	272,000,009	$\frac{13}{68}$	271,999,990	$\frac{55}{68}$	100,000	$\frac{200,000}{29,593,599}$	36	$\frac{22,630,436}{29,593,599}$	99,999	$\frac{29,393,601}{29,593,601}$	36	$\frac{22,630,364}{29,593,601}$
10,816	270,400,009	$\frac{83}{338}$	270,399,990	$\frac{255}{338}$	100,000	$\frac{200,000}{29,246,463}$	36	$\frac{28,727,332}{29,246,463}$	99,999	$\frac{5,809,293}{5,849,293}$	36	$\frac{5,745,452}{5,849,293}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
	Basis		Basis		Perpendicularum		Perpendicularum		Hypotenusa		Hypotenusa	

Viète's Canon mathematicus : Canon triangulorum (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											23	
SERIES I.			SERIES II.			SERIES III.						
37	$\frac{5,849,051}{28,901,377}$	99,999	$\frac{28,701,377}{28,901,377}$	37	$\frac{46,793}{231,211}$	100,000	$\frac{1,600}{231,211}$	268,799,990	$\frac{235}{336}$	268,800,009	$\frac{101}{336}$	10,752
37	$\frac{12,141,531}{28,558,337}$	99,999	$\frac{28,358,337}{28,558,337}$	37	$\frac{2,428,321}{5,711,667}$	100,000	$\frac{40,000}{5,711,667}$	267,199,990	$\frac{215}{334}$	267,200,009	$\frac{119}{334}$	10,688
37	$\frac{3,671,647}{5,643,469}$	99,999	$\frac{5,603,469}{5,643,469}$	37	$\frac{18,358,309}{28,217,343}$	100,000	$\frac{200,000}{28,217,343}$	265,599,990	$\frac{195}{332}$	265,600,009	$\frac{137}{332}$	10,624
37	$\frac{24,499,163}{27,878,401}$	99,999	$\frac{27,678,401}{27,878,401}$	37	$\frac{24,499,237}{27,878,399}$	100,000	$\frac{200,000}{27,878,399}$	263,999,990	$\frac{35}{66}$	264,000,009	$\frac{31}{66}$	10,560
38	$\frac{604,562}{5,508,301}$	99,999	$\frac{5,468,301}{5,508,301}$	38	$\frac{3,022,886}{27,541,503}$	100,000	$\frac{200,000}{27,541,503}$	262,399,990	$\frac{155}{328}$	262,400,009	$\frac{173}{328}$	10,496
38	$\frac{9,347,034}{27,206,657}$	99,999	$\frac{27,006,657}{27,206,657}$	38	$\frac{1,869,422}{5,441,331}$	100,000	$\frac{40,000}{5,441,331}$	260,799,990	$\frac{135}{326}$	260,800,009	$\frac{191}{326}$	10,432
38	$\frac{15,593,434}{26,873,857}$	99,999	$\frac{26,673,857}{26,873,857}$	38	$\frac{3,118,702}{5,374,771}$	100,000	$\frac{40,000}{5,374,771}$	259,199,990	$\frac{115}{324}$	259,200,009	$\frac{209}{324}$	10,368
38	$\frac{4,352,402}{5,308,621}$	99,999	$\frac{5,268,621}{5,308,621}$	38	$\frac{21,762,086}{26,543,103}$	100,000	$\frac{200,000}{26,543,103}$	257,599,990	$\frac{95}{322}$	257,600,009	$\frac{227}{322}$	10,304
39	$\frac{1,638,361}{26,214,401}$	99,999	$\frac{26,014,401}{26,214,401}$	39	$\frac{1,638,439}{26,214,399}$	100,000	$\frac{200,000}{26,214,399}$	255,999,990	$\frac{15}{64}$	256,000,009	$\frac{49}{64}$	10,240
39	$\frac{1,595,589}{5,177,549}$	99,999	$\frac{5,137,549}{5,177,549}$	39	$\frac{7,978,023}{25,887,743}$	100,000	$\frac{200,000}{25,887,743}$	254,399,990	$\frac{55}{318}$	254,400,009	$\frac{263}{318}$	10,176
39	$\frac{14,237,657}{25,563,137}$	99,999	$\frac{25,363,137}{25,563,137}$	39	$\frac{2,847,547}{5,112,627}$	100,000	$\frac{40,000}{5,112,627}$	252,799,990	$\frac{35}{316}$	252,800,009	$\frac{281}{316}$	10,112
39	$\frac{20,417,497}{25,240,577}$	99,999	$\frac{25,040,577}{25,240,577}$	39	$\frac{816,703}{1,009,623}$	100,000	$\frac{8,000}{1,009,623}$	251,199,990	$\frac{15}{314}$	251,200,009	$\frac{299}{314}$	10,048
40	$\frac{319,480}{4,984,013}$	99,999	$\frac{4,944,013}{4,984,013}$	40	$\frac{1,597,480}{24,920,063}$	100,000	$\frac{200,000}{24,920,063}$	249,599,989	$\frac{307}{312}$	249,600,010	$\frac{5}{312}$	9,984
40	$\frac{7,935,960}{24,601,601}$	99,999	$\frac{24,401,601}{24,601,601}$	40	$\frac{7,935,040}{24,601,599}$	100,000	$\frac{200,000}{24,601,599}$	247,999,989	$\frac{57}{62}$	248,000,010	$\frac{5}{62}$	9,920
40	$\frac{2,838,520}{4,857,037}$	99,999	$\frac{4,817,037}{4,857,037}$	40	$\frac{14,192,680}{24,285,183}$	100,000	$\frac{200,000}{24,285,183}$	246,399,989	$\frac{263}{308}$	246,400,010	$\frac{45}{308}$	9,856
40	$\frac{20,307,320}{23,970,817}$	99,999	$\frac{23,770,817}{23,970,817}$	40	$\frac{4,073,480}{4,794,163}$	100,000	$\frac{40,000}{4,794,163}$	244,799,989	$\frac{241}{306}$	244,800,010	$\frac{65}{306}$	9,792
41	$\frac{2,801,623}{23,658,497}$	99,999	$\frac{23,458,497}{23,658,497}$	41	$\frac{560,341}{4,731,699}$	100,000	$\frac{40,000}{4,731,699}$	243,199,989	$\frac{219}{304}$	243,200,010	$\frac{85}{304}$	9,728
41	$\frac{364,911}{933,929}$	99,999	$\frac{925,929}{933,929}$	41	$\frac{9,122,857}{23,348,223}$	100,000	$\frac{200,000}{23,348,223}$	241,599,989	$\frac{197}{302}$	241,600,010	$\frac{105}{302}$	9,664
41	$\frac{15,359,959}{23,040,001}$	99,999	$\frac{22,840,001}{23,040,001}$	41	$\frac{15,360,041}{23,039,999}$	100,000	$\frac{200,000}{23,039,999}$	239,999,989	$\frac{7}{12}$	240,000,010	$\frac{5}{12}$	9,600
41	$\frac{860,527}{909,353}$	99,999	$\frac{901,353}{909,353}$	41	$\frac{21,513,257}{22,733,823}$	100,000	$\frac{200,000}{22,733,823}$	238,399,989	$\frac{153}{298}$	238,400,010	$\frac{145}{298}$	9,536
42	$\frac{5,152,726}{22,429,697}$	99,999	$\frac{22,229,697}{22,429,697}$	42	$\frac{1,039,562}{4,485,939}$	100,000	$\frac{40,000}{4,485,939}$	236,799,989	$\frac{131}{296}$	236,800,010	$\frac{165}{296}$	9,472
42	$\frac{11,440,086}{22,127,617}$	99,999	$\frac{21,927,617}{22,127,617}$	42	$\frac{2,288,034}{4,425,523}$	100,000	$\frac{40,000}{4,425,523}$	235,199,989	$\frac{109}{294}$	235,200,010	$\frac{185}{294}$	9,408
42	$\frac{3,528,286}{4,365,517}$	99,999	$\frac{4,325,517}{4,365,517}$	42	$\frac{17,641,514}{21,827,583}$	100,000	$\frac{200,000}{21,827,583}$	233,599,989	$\frac{87}{292}$	233,600,010	$\frac{205}{292}$	9,344
43	$\frac{2,227,157}{21,529,601}$	99,999	$\frac{21,329,601}{21,529,601}$	43	$\frac{2,227,243}{21,529,599}$	100,000	$\frac{200,000}{21,529,599}$	231,999,989	$\frac{13}{58}$	232,000,010	$\frac{45}{58}$	9,280
43	$\frac{1,710,481}{4,246,733}$	99,999	$\frac{4,206,733}{4,246,733}$	43	$\frac{8,552,491}{21,233,663}$	100,000	$\frac{200,000}{21,233,663}$	230,399,989	$\frac{43}{288}$	230,400,010	$\frac{245}{288}$	9,216
43	$\frac{14,789,589}{20,939,777}$	99,999	$\frac{20,739,777}{20,939,777}$	43	$\frac{591,587}{837,591}$	100,000	$\frac{8,000}{837,591}$	228,799,989	$\frac{21}{286}$	228,800,010	$\frac{265}{286}$	9,152
44	$\frac{290,772}{20,647,937}$	99,999	$\frac{20,447,937}{20,647,937}$	44	$\frac{58,172}{4,129,587}$	100,000	$\frac{40,000}{4,129,587}$	227,199,988	$\frac{283}{284}$	227,200,011	$\frac{1}{284}$	9,088
44	$\frac{1,328,324}{4,071,629}$	99,999	$\frac{4,031,629}{4,071,629}$	44	$\frac{6,641,708}{20,358,143}$	100,000	$\frac{200,000}{20,358,143}$	225,599,988	$\frac{259}{282}$	225,600,011	$\frac{23}{282}$	9,024
44	$\frac{12,902,356}{20,070,401}$	99,999	$\frac{19,870,401}{20,070,401}$	44	$\frac{12,902,444}{20,070,399}$	100,000	$\frac{200,000}{20,070,399}$	223,999,988	$\frac{47}{56}$	224,000,011	$\frac{9}{56}$	8,960
44	$\frac{3,814,596}{3,956,941}$	99,999	$\frac{3,916,941}{3,956,941}$	44	$\frac{19,073,068}{19,784,703}$	100,000	$\frac{200,000}{19,784,703}$	222,399,988	$\frac{211}{278}$	222,400,011	$\frac{67}{278}$	8,896
45	$\frac{5,652,435}{19,501,057}$	99,999	$\frac{19,301,057}{19,501,057}$	45	$\frac{1,139,595}{3,900,211}$	100,000	$\frac{40,000}{3,900,211}$	220,799,988	$\frac{187}{276}$	220,800,011	$\frac{89}{276}$	8,832
45	$\frac{11,924,435}{19,219,457}$	99,999	$\frac{19,019,457}{19,219,457}$	45	$\frac{2,384,995}{3,843,891}$	100,000	$\frac{40,000}{3,843,891}$	219,199,988	$\frac{163}{274}$	219,200,011	$\frac{111}{274}$	8,768
45	$\frac{3,620,855}{3,787,981}$	99,999	$\frac{3,747,981}{3,787,981}$	45	$\frac{18,104,365}{18,939,993}$	100,000	$\frac{200,000}{18,939,993}$	217,599,988	$\frac{139}{272}$	217,600,011	$\frac{133}{272}$	8,704
46	$\frac{5,529,554}{18,662,401}$	99,999	$\frac{18,462,401}{18,662,401}$	46	$\frac{5,529,646}{18,662,399}$	100,000	$\frac{200,000}{18,662,399}$	215,999,988	$\frac{23}{54}$	216,000,011	$\frac{31}{54}$	8,640
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		Hypotenusa		100,000		Perpendicularum		100,000		Basis		

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

24 CANONION TRIANGVLORVM												
	<i>SERIES III.</i>				<i>SERIES II.</i>				<i>SERIES I.</i>			
8,576	214,400,011	$\frac{177}{268}$	214,399,988	$\frac{91}{268}$	100,000	$\frac{200,000}{18,386,943}$	46	$\frac{11,800,622}{18,386,943}$	99,999	$\frac{3,637,389}{3,677,389}$	46	$\frac{2,360,106}{3,677,389}$
8,512	212,800,011	$\frac{199}{266}$	212,799,988	$\frac{67}{266}$	100,000	$\frac{40,000}{3,622,707}$	46	$\frac{3,595,478}{3,622,707}$	99,999	$\frac{17,913,537}{18,113,537}$	46	$\frac{17,977,298}{18,113,537}$
8,448	211,200,011	$\frac{221}{264}$	211,199,988	$\frac{43}{264}$	100,000	$\frac{8,000}{713,687}$	47	$\frac{248,711}{713,687}$	99,999	$\frac{17,642,177}{17,842,177}$	47	$\frac{6,217,681}{17,842,177}$
8,384	209,600,011	$\frac{243}{262}$	209,599,988	$\frac{19}{262}$	100,000	$\frac{200,000}{17,572,863}$	47	$\frac{12,475,439}{17,572,863}$	99,999	$\frac{3,474,573}{3,514,573}$	47	$\frac{2,495,069}{3,514,573}$
8,320	208,000,012	$\frac{1}{52}$	207,999,987	$\frac{51}{52}$	100,000	$\frac{200,000}{17,305,599}$	48	$\frac{1,331,248}{17,305,599}$	99,999	$\frac{17,105,601}{17,305,601}$	48	$\frac{1,331,152}{17,305,601}$
8,256	206,400,012	$\frac{29}{258}$	206,399,987	$\frac{229}{258}$	100,000	$\frac{200,000}{17,040,383}$	48	$\frac{7,661,616}{17,040,383}$	99,999	$\frac{3,368,077}{3,408,077}$	48	$\frac{1,532,304}{3,408,077}$
8,192	204,800,012	$\frac{53}{256}$	204,799,987	$\frac{203}{256}$	100,000	$\frac{40,000}{3,355,443}$	48	$\frac{2,778,736}{3,355,443}$	99,999	$\frac{16,577,217}{16,777,217}$	48	$\frac{13,893,584}{16,777,217}$
8,128	203,200,012	$\frac{77}{254}$	203,199,987	$\frac{177}{254}$	100,000	$\frac{40,000}{3,303,219}$	49	$\frac{702,269}{3,303,219}$	99,999	$\frac{16,316,097}{16,516,097}$	49	$\frac{3,511,247}{16,516,097}$
8,064	201,600,012	$\frac{101}{252}$	201,599,987	$\frac{151}{252}$	100,000	$\frac{200,000}{16,257,023}$	49	$\frac{9,805,873}{16,257,023}$	99,999	$\frac{642,281}{650,281}$	49	$\frac{392,231}{650,281}$
8,000	200,000,012	$\frac{1}{2}$	199,999,987	$\frac{1}{2}$	100,000	$\frac{200,000}{15,999,999}$	50	$\frac{50}{15,999,999}$	99,999	$\frac{15,800,001}{16,000,001}$	49	$\frac{15,999,951}{16,000,001}$
7,936	198,400,012	$\frac{149}{248}$	198,399,987	$\frac{99}{248}$	100,000	$\frac{200,000}{15,745,023}$	50	$\frac{6,348,850}{15,745,023}$	99,999	$\frac{621,801}{629,801}$	50	$\frac{253,950}{629,801}$
7,872	196,800,012	$\frac{173}{246}$	196,799,987	$\frac{73}{246}$	100,000	$\frac{40,000}{3,098,419}$	50	$\frac{2,519,050}{3,098,419}$	99,999	$\frac{15,292,097}{15,492,097}$	50	$\frac{12,595,150}{15,492,097}$
7,808	195,200,012	$\frac{197}{244}$	195,199,987	$\frac{47}{244}$	100,000	$\frac{40,000}{3,048,243}$	51	$\frac{699,607}{3,048,243}$	99,999	$\frac{15,041,217}{15,241,217}$	51	$\frac{3,497,933}{15,241,217}$
7,744	193,600,012	$\frac{221}{242}$	193,599,987	$\frac{21}{242}$	100,000	$\frac{200,000}{14,992,383}$	51	$\frac{9,788,467}{14,992,383}$	99,999	$\frac{2,958,477}{2,998,477}$	51	$\frac{1,957,673}{2,998,477}$
7,680	192,000,013	$\frac{1}{48}$	191,999,986	$\frac{47}{48}$	100,000	$\frac{200,000}{14,745,599}$	52	$\frac{1,228,852}{14,745,599}$	99,999	$\frac{14,545,601}{14,745,601}$	52	$\frac{1,228,748}{14,745,601}$
7,616	190,400,013	$\frac{31}{238}$	190,399,986	$\frac{207}{238}$	100,000	$\frac{200,000}{14,500,863}$	52	$\frac{7,555,124}{14,500,863}$	99,999	$\frac{2,860,173}{2,900,173}$	52	$\frac{1,511,104}{2,900,173}$
7,552	188,800,013	$\frac{57}{236}$	188,799,986	$\frac{179}{236}$	100,000	$\frac{8,000}{570,327}$	52	$\frac{550,996}{570,327}$	99,999	$\frac{14,058,177}{14,258,177}$	52	$\frac{13,774,796}{14,258,177}$
7,488	187,200,013	$\frac{83}{234}$	187,199,986	$\frac{151}{234}$	100,000	$\frac{40,000}{2,803,507}$	53	$\frac{1,174,129}{2,803,507}$	99,999	$\frac{13,817,537}{14,017,537}$	53	$\frac{5,870,539}{14,017,537}$
7,424	185,600,013	$\frac{109}{232}$	185,599,986	$\frac{123}{232}$	100,000	$\frac{200,000}{13,778,943}$	53	$\frac{12,116,021}{13,778,943}$	99,999	$\frac{2,715,789}{2,755,789}$	53	$\frac{2,423,183}{2,755,789}$
7,360	184,000,013	$\frac{27}{46}$	183,999,986	$\frac{19}{46}$	100,000	$\frac{200,000}{13,542,399}$	54	$\frac{4,710,454}{13,542,399}$	99,999	$\frac{13,342,401}{13,542,401}$	54	$\frac{4,710,346}{13,542,401}$
7,296	182,400,013	$\frac{161}{228}$	182,399,986	$\frac{67}{228}$	100,000	$\frac{200,000}{13,307,903}$	54	$\frac{10,973,238}{13,307,903}$	99,999	$\frac{2,621,581}{2,661,581}$	54	$\frac{2,194,626}{2,661,581}$
7,232	180,800,013	$\frac{187}{226}$	180,799,986	$\frac{39}{226}$	100,000	$\frac{40,000}{2,615,091}$	55	$\frac{809,995}{2,615,091}$	99,999	$\frac{12,875,457}{13,075,457}$	55	$\frac{4,049,865}{13,075,457}$
7,168	179,200,013	$\frac{213}{224}$	179,199,986	$\frac{11}{224}$	100,000	$\frac{40,000}{2,569,011}$	55	$\frac{2,064,395}{2,569,011}$	99,999	$\frac{12,645,057}{12,845,057}$	55	$\frac{10,321,865}{12,845,057}$
7,104	177,600,014	$\frac{17}{222}$	177,599,985	$\frac{205}{222}$	100,000	$\frac{200,000}{12,616,703}$	56	$\frac{3,864,632}{12,616,703}$	99,999	$\frac{2,483,341}{2,523,341}$	56	$\frac{772,904}{2,523,341}$
7,040	176,000,014	$\frac{9}{44}$	175,999,985	$\frac{35}{44}$	100,000	$\frac{200,000}{12,390,399}$	56	$\frac{10,137,656}{12,390,399}$	99,999	$\frac{12,190,401}{12,390,401}$	56	$\frac{10,137,544}{12,390,401}$
6,976	174,400,014	$\frac{73}{218}$	174,399,985	$\frac{145}{218}$	100,000	$\frac{200,000}{12,166,143}$	57	$\frac{4,129,849}{12,166,143}$	99,999	$\frac{2,393,229}{2,433,229}$	57	$\frac{825,947}{2,433,229}$
6,912	172,800,014	$\frac{101}{216}$	172,799,985	$\frac{115}{216}$	100,000	$\frac{40,000}{2,388,787}$	57	$\frac{2,079,141}{2,388,787}$	99,999	$\frac{11,743,937}{11,943,937}$	57	$\frac{10,395,591}{11,943,937}$
6,848	171,200,014	$\frac{129}{214}$	171,199,985	$\frac{85}{214}$	100,000	$\frac{8,000}{468,951}$	58	$\frac{192,842}{468,951}$	99,999	$\frac{11,523,777}{11,723,777}$	58	$\frac{4,820,934}{11,723,777}$
6,784	169,600,014	$\frac{157}{212}$	169,599,985	$\frac{55}{212}$	100,000	$\frac{200,000}{11,505,663}$	58	$\frac{11,071,546}{11,505,663}$	99,999	$\frac{2,261,133}{2,301,133}$	58	$\frac{2,214,286}{2,301,133}$
6,720	168,000,014	$\frac{37}{42}$	167,999,985	$\frac{5}{42}$	100,000	$\frac{200,000}{11,289,599}$	59	$\frac{5,913,659}{11,289,599}$	99,999	$\frac{11,089,601}{11,289,601}$	59	$\frac{5,913,541}{11,289,601}$
6,656	166,400,015	$\frac{5}{208}$	166,399,984	$\frac{203}{208}$	100,000	$\frac{200,000}{11,075,583}$	60	$\frac{1,065,020}{11,075,583}$	99,999	$\frac{2,175,117}{2,215,117}$	60	$\frac{212,980}{2,215,117}$
6,592	164,800,015	$\frac{35}{206}$	164,799,984	$\frac{171}{206}$	100,000	$\frac{40,000}{2,172,723}$	60	$\frac{1,476,620}{2,172,723}$	99,999	$\frac{10,663,617}{10,863,617}$	60	$\frac{7,382,980}{10,863,617}$
6,528	163,200,015	$\frac{65}{204}$	163,199,984	$\frac{139}{204}$	100,000	$\frac{40,000}{2,130,739}$	61	$\frac{584,921}{2,130,739}$	99,999	$\frac{10,453,697}{10,653,697}$	61	$\frac{2,924,483}{10,653,697}$
6,464	161,600,015	$\frac{95}{202}$	161,599,984	$\frac{107}{202}$	100,000	$\frac{200,000}{10,445,823}$	61	$\frac{9,204,797}{10,445,823}$	99,999	$\frac{409,833}{417,833}$	61	$\frac{368,187}{417,833}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
	Basis		Basis		Perpendicularum		Perpendicularum		Hypotenusa		Hypotenusa	

Viète's Canon mathematicus : Canonium triangulorum (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM

SERIES I.		SERIES II.		SERIES III.								
62	$\frac{5,119,938}{10,240,001}$	99,999	$\frac{10,040,001}{10,240,001}$	62	$\frac{5,120,062}{10,239,999}$	100,000	$\frac{200,000}{10,239,999}$	159,999,984	$\frac{3}{8}$	160,000,015	$\frac{5}{8}$	6,400
62	$\frac{8,252,866}{10,137,857}$	99,999	$\frac{9,937,857}{10,137,857}$	62	$\frac{1,659,598}{2,027,571}$	100,000	$\frac{40,000}{2,027,571}$	159,199,984	$\frac{59}{199}$	159,200,015	$\frac{140}{199}$	6,368
63	$\frac{52,713}{401,449}$	99,999	$\frac{393,449}{401,449}$	63	$\frac{1,317,951}{10,036,223}$	100,000	$\frac{200,000}{10,036,223}$	158,399,984	$\frac{43}{198}$	158,400,015	$\frac{155}{198}$	6,336
63	$\frac{897,677}{1,987,021}$	99,999	$\frac{1,047,021}{1,987,021}$	63	$\frac{4,488,511}{9,935,103}$	100,000	$\frac{200,000}{9,935,103}$	157,599,984	$\frac{27}{197}$	157,600,015	$\frac{170}{197}$	6,304
63	$\frac{7,626,689}{9,834,497}$	99,999	$\frac{9,634,497}{9,834,497}$	63	$\frac{1,525,363}{1,966,899}$	100,000	$\frac{40,000}{1,966,899}$	156,799,984	$\frac{11}{196}$	156,800,015	$\frac{185}{196}$	6,272
64	$\frac{998,336}{9,734,401}$	99,999	$\frac{9,534,401}{9,734,401}$	64	$\frac{998,464}{9,734,399}$	100,000	$\frac{200,000}{9,734,399}$	155,999,983	$\frac{38}{39}$	156,000,016	$\frac{1}{39}$	6,240
64	$\frac{4,171,712}{9,634,817}$	99,999	$\frac{9,434,817}{9,634,817}$	64	$\frac{834,368}{1,926,963}$	100,000	$\frac{40,000}{1,926,963}$	155,199,983	$\frac{173}{194}$	155,200,016	$\frac{21}{194}$	6,208
64	$\frac{1,462,464}{1,907,149}$	99,999	$\frac{1,867,149}{1,907,149}$	64	$\frac{7,312,448}{9,535,743}$	100,000	$\frac{200,000}{9,535,743}$	154,399,983	$\frac{156}{193}$	154,400,016	$\frac{37}{193}$	6,176
65	$\frac{196,595}{1,887,437}$	99,999	$\frac{1,847,437}{1,887,437}$	65	$\frac{983,105}{9,437,183}$	100,000	$\frac{200,000}{9,437,183}$	153,599,983	$\frac{139}{192}$	153,600,016	$\frac{53}{192}$	6,144
65	$\frac{4,156,095}{9,339,137}$	99,999	$\frac{9,139,137}{9,339,137}$	65	$\frac{831,245}{1,867,827}$	100,000	$\frac{40,000}{1,867,827}$	152,799,983	$\frac{122}{191}$	152,800,016	$\frac{69}{191}$	6,112
65	$\frac{7,295,935}{9,241,601}$	99,999	$\frac{9,041,601}{9,241,601}$	65	$\frac{7,296,065}{9,241,599}$	100,000	$\frac{200,000}{9,241,599}$	151,999,983	$\frac{21}{38}$	152,000,016	$\frac{17}{38}$	6,080
66	$\frac{1,257,918}{9,144,577}$	99,999	$\frac{8,944,577}{9,144,577}$	66	$\frac{59,322}{365,783}$	100,000	$\frac{8,000}{365,783}$	151,199,983	$\frac{88}{189}$	151,200,016	$\frac{101}{189}$	6,048
66	$\frac{885,542}{1,809,613}$	99,999	$\frac{1,769,613}{1,809,613}$	66	$\frac{4,427,842}{9,048,063}$	100,000	$\frac{200,000}{9,048,063}$	150,399,983	$\frac{71}{188}$	150,400,016	$\frac{117}{188}$	6,016
66	$\frac{1,512,742}{1,790,413}$	99,999	$\frac{1,750,413}{1,790,413}$	66	$\frac{7,563,842}{8,952,063}$	100,000	$\frac{200,000}{8,952,063}$	149,599,983	$\frac{54}{187}$	149,600,016	$\frac{133}{187}$	5,984
67	$\frac{1,809,341}{8,856,577}$	99,999	$\frac{8,656,577}{8,856,577}$	67	$\frac{72,379}{354,263}$	100,000	$\frac{8,000}{354,263}$	148,799,983	$\frac{37}{186}$	148,800,016	$\frac{149}{186}$	5,952
67	$\frac{4,972,733}{8,761,601}$	99,999	$\frac{8,561,601}{8,761,601}$	67	$\frac{4,972,867}{8,761,599}$	100,000	$\frac{200,000}{8,761,599}$	147,999,983	$\frac{4}{37}$	148,000,016	$\frac{33}{37}$	5,920
67	$\frac{8,101,821}{8,667,137}$	99,999	$\frac{8,467,137}{8,667,137}$	67	$\frac{1,620,391}{1,733,427}$	100,000	$\frac{40,000}{1,733,427}$	147,199,983	$\frac{3}{184}$	147,200,016	$\frac{181}{184}$	5,888
68	$\frac{524,684}{1,714,637}$	99,999	$\frac{1,674,637}{1,714,637}$	68	$\frac{2,623,556}{8,573,183}$	100,000	$\frac{200,000}{8,573,183}$	146,399,982	$\frac{169}{183}$	146,400,017	$\frac{14}{183}$	5,856
68	$\frac{1,155,468}{1,695,949}$	99,999	$\frac{1,655,949}{1,695,949}$	68	$\frac{5,777,476}{8,479,743}$	100,000	$\frac{200,000}{8,479,743}$	145,599,982	$\frac{151}{182}$	145,600,017	$\frac{31}{182}$	5,824
69	$\frac{509,627}{8,386,817}$	99,999	$\frac{8,186,817}{8,386,817}$	69	$\frac{101,953}{1,677,363}$	100,000	$\frac{40,000}{1,677,363}$	144,799,982	$\frac{133}{181}$	144,800,017	$\frac{48}{181}$	5,792
69	$\frac{3,686,331}{8,294,401}$	99,999	$\frac{8,094,401}{8,294,401}$	69	$\frac{3,686,469}{8,294,399}$	100,000	$\frac{200,000}{8,294,399}$	143,999,982	$\frac{23}{36}$	144,000,017	$\frac{13}{36}$	5,760
69	$\frac{6,827,797}{8,202,497}$	99,999	$\frac{8,002,497}{8,202,497}$	69	$\frac{1,365,569}{1,640,499}$	100,000	$\frac{40,000}{1,640,499}$	143,199,982	$\frac{97}{179}$	143,200,017	$\frac{82}{179}$	5,728
70	$\frac{364,530}{1,622,221}$	99,999	$\frac{1,622,221}{1,622,221}$	70	$\frac{1,822,790}{8,111,103}$	100,000	$\frac{200,000}{8,111,103}$	142,399,982	$\frac{79}{178}$	142,400,017	$\frac{99}{178}$	5,696
70	$\frac{199,370}{320,809}$	99,999	$\frac{312,809}{320,809}$	70	$\frac{4,984,390}{8,020,223}$	100,000	$\frac{200,000}{8,020,223}$	141,599,982	$\frac{61}{177}$	141,600,017	$\frac{116}{177}$	5,664
71	$\frac{180,153}{7,929,857}$	99,999	$\frac{7,729,857}{7,929,857}$	71	$\frac{36,059}{1,585,971}$	100,000	$\frac{40,000}{1,585,971}$	140,799,982	$\frac{43}{176}$	140,800,017	$\frac{133}{176}$	5,632
71	$\frac{3,359,929}{7,840,001}$	99,999	$\frac{7,640,001}{7,840,001}$	71	$\frac{3,360,071}{7,839,999}$	100,000	$\frac{200,000}{7,839,999}$	139,999,982	$\frac{1}{7}$	140,000,017	$\frac{6}{7}$	5,600
71	$\frac{6,503,353}{7,750,657}$	99,999	$\frac{7,550,657}{7,750,657}$	71	$\frac{1,300,699}{1,559,131}$	100,000	$\frac{40,000}{1,559,131}$	139,199,982	$\frac{7}{174}$	139,200,017	$\frac{167}{174}$	5,568
72	$\frac{77,944}{306,473}$	99,999	$\frac{298,473}{306,473}$	72	$\frac{1,948,744}{7,661,823}$	100,000	$\frac{200,000}{7,661,823}$	138,399,981	$\frac{162}{173}$	138,400,018	$\frac{11}{173}$	5,536
72	$\frac{1,021,528}{1,514,701}$	99,999	$\frac{1,474,701}{1,514,701}$	72	$\frac{5,107,784}{7,573,593}$	100,000	$\frac{200,000}{7,573,593}$	137,599,981	$\frac{143}{172}$	137,600,018	$\frac{29}{172}$	5,504
73	$\frac{744,119}{7,485,697}$	99,999	$\frac{7,285,697}{7,485,697}$	73	$\frac{148,853}{1,497,139}$	100,000	$\frac{40,000}{1,497,139}$	136,799,981	$\frac{124}{171}$	136,800,018	$\frac{47}{171}$	5,472
73	$\frac{3,916,727}{7,398,401}$	99,999	$\frac{7,198,401}{7,398,401}$	73	$\frac{3,916,873}{7,398,399}$	100,000	$\frac{200,000}{7,398,399}$	135,999,981	$\frac{21}{34}$	136,000,018	$\frac{13}{34}$	5,440
73	$\frac{7,051,959}{7,311,617}$	99,999	$\frac{7,111,617}{7,311,617}$	73	$\frac{1,410,421}{1,462,323}$	100,000	$\frac{40,000}{1,462,323}$	135,199,981	$\frac{86}{169}$	135,200,018	$\frac{83}{169}$	5,408
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		Hypotenusa		100,000		Perpendicularum		100,000		Basis		

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

26 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
5,376	134,400,018	$\frac{101}{168}$	134,399,981	$\frac{67}{168}$	100,000	$\frac{200,000}{7,225,343}$	74	$\frac{2,924,618}{7,225,343}$	99,999	$\frac{1,405,069}{1,445,069}$	74	$\frac{584,894}{1,445,069}$
5,344	133,600,018	$\frac{119}{167}$	133,599,981	$\frac{48}{167}$	100,000	$\frac{200,000}{7,139,583}$	74	$\frac{6,070,858}{7,139,583}$	99,999	$\frac{1,387,917}{1,427,917}$	74	$\frac{1,214,142}{1,427,917}$
5,312	132,800,018	$\frac{137}{166}$	132,799,981	$\frac{29}{166}$	100,000	$\frac{40,000}{1,410,867}$	75	$\frac{424,975}{1,410,867}$	99,999	$\frac{6,854,337}{7,054,337}$	75	$\frac{2,124,725}{7,054,337}$
5,280	132,000,018	$\frac{31}{167}$	131,999,981	$\frac{2}{33}$	100,000	$\frac{200,000}{6,969,599}$	75	$\frac{5,280,075}{6,969,599}$	99,999	$\frac{6,769,601}{6,969,601}$	75	$\frac{5,279,925}{6,969,601}$
5,248	131,200,019	$\frac{9}{164}$	131,199,980	$\frac{155}{164}$	100,000	$\frac{1,600}{55,083}$	76	$\frac{12,092}{55,083}$	99,999	$\frac{6,685,377}{6,885,377}$	76	$\frac{1,511,348}{6,885,377}$
5,216	130,400,019	$\frac{28}{163}$	130,399,980	$\frac{135}{163}$	100,000	$\frac{200,000}{6,801,663}$	76	$\frac{4,673,612}{6,801,663}$	99,999	$\frac{1,320,333}{1,360,333}$	76	$\frac{934,692}{1,360,333}$
5,184	129,600,019	$\frac{47}{162}$	129,599,980	$\frac{115}{162}$	100,000	$\frac{200,000}{6,718,463}$	77	$\frac{1,078,349}{6,718,463}$	99,999	$\frac{1,303,693}{1,343,693}$	77	$\frac{215,639}{1,343,693}$
5,152	128,800,019	$\frac{66}{161}$	128,799,980	$\frac{95}{161}$	100,000	$\frac{8,000}{265,431}$	77	$\frac{169,813}{265,431}$	99,999	$\frac{6,435,777}{6,635,777}$	77	$\frac{4,245,171}{6,635,777}$
5,120	128,000,019	$\frac{17}{32}$	127,999,980	$\frac{15}{32}$	100,000	$\frac{200,000}{6,553,599}$	78	$\frac{819,278}{6,553,599}$	99,999	$\frac{6,353,601}{6,553,601}$	78	$\frac{819,122}{6,553,601}$
5,088	127,200,019	$\frac{104}{159}$	127,199,980	$\frac{55}{159}$	100,000	$\frac{40,000}{1,294,387}$	78	$\frac{797,814}{1,294,387}$	99,999	$\frac{6,271,937}{6,471,937}$	78	$\frac{3,988,914}{6,471,937}$
5,056	126,400,019	$\frac{123}{158}$	126,399,980	$\frac{35}{158}$	100,000	$\frac{200,000}{6,390,783}$	79	$\frac{728,143}{6,390,783}$	99,999	$\frac{1,238,157}{1,278,157}$	79	$\frac{145,597}{1,278,157}$
5,024	125,600,019	$\frac{142}{157}$	125,599,980	$\frac{15}{157}$	100,000	$\frac{200,000}{6,310,143}$	79	$\frac{3,898,703}{6,310,143}$	99,999	$\frac{1,222,029}{1,262,029}$	79	$\frac{779,709}{1,262,029}$
4,992	124,800,020	$\frac{5}{156}$	124,799,979	$\frac{151}{156}$	100,000	$\frac{40,000}{1,246,003}$	80	$\frac{159,760}{1,246,003}$	99,999	$\frac{6,030,017}{6,230,017}$	80	$\frac{798,640}{6,230,017}$
4,960	124,000,020	$\frac{5}{31}$	123,999,979	$\frac{26}{31}$	100,000	$\frac{200,000}{6,150,399}$	80	$\frac{3,968,080}{6,150,399}$	99,999	$\frac{5,950,401}{6,150,401}$	80	$\frac{3,967,920}{6,150,401}$
4,928	123,200,020	$\frac{45}{154}$	123,199,979	$\frac{109}{154}$	100,000	$\frac{40,000}{1,214,259}$	81	$\frac{205,021}{1,214,259}$	99,999	$\frac{5,871,297}{6,071,297}$	81	$\frac{1,024,943}{6,071,297}$
4,896	122,400,020	$\frac{65}{153}$	122,399,979	$\frac{88}{153}$	100,000	$\frac{200,000}{5,992,703}$	81	$\frac{4,191,957}{5,992,703}$	99,999	$\frac{1,158,541}{1,198,541}$	81	$\frac{838,179}{1,198,541}$
4,864	121,600,020	$\frac{85}{152}$	121,599,979	$\frac{67}{152}$	100,000	$\frac{200,000}{5,914,623}$	82	$\frac{1,400,914}{5,914,623}$	99,999	$\frac{45,717}{47,317}$	82	$\frac{11,206}{47,317}$
4,832	120,800,020	$\frac{105}{151}$	120,799,979	$\frac{46}{151}$	100,000	$\frac{40,000}{1,167,411}$	82	$\frac{912,298}{1,167,411}$	99,999	$\frac{5,637,057}{5,837,057}$	82	$\frac{4,561,326}{5,837,057}$
4,800	120,000,020	$\frac{5}{6}$	119,999,979	$\frac{1}{6}$	100,000	$\frac{200,000}{5,759,999}$	83	$\frac{1,920,083}{5,759,999}$	99,999	$\frac{5,560,001}{5,760,001}$	83	$\frac{1,919,917}{5,760,001}$
4,768	119,200,020	$\frac{145}{149}$	119,199,979	$\frac{4}{149}$	100,000	$\frac{40,000}{1,136,691}$	83	$\frac{1,014,647}{1,136,691}$	99,999	$\frac{5,483,457}{5,683,457}$	83	$\frac{5,073,069}{5,683,457}$
4,736	118,400,021	$\frac{17}{148}$	118,399,978	$\frac{131}{148}$	100,000	$\frac{200,000}{5,607,423}$	84	$\frac{2,576,468}{5,607,423}$	99,999	$\frac{216,297}{224,297}$	84	$\frac{103,052}{224,297}$
4,704	117,600,021	$\frac{38}{147}$	117,599,978	$\frac{109}{147}$	100,000	$\frac{200,000}{5,531,993}$	85	$\frac{188,245}{5,531,993}$	99,999	$\frac{1,066,381}{1,106,381}$	85	$\frac{37,615}{1,106,381}$
4,672	116,800,021	$\frac{59}{146}$	116,799,978	$\frac{87}{146}$	100,000	$\frac{40,000}{1,091,379}$	85	$\frac{672,785}{1,091,379}$	99,999	$\frac{5,256,897}{5,456,897}$	85	$\frac{3,363,755}{5,456,897}$
4,640	116,000,021	$\frac{16}{29}$	115,999,978	$\frac{13}{29}$	100,000	$\frac{200,000}{5,382,399}$	86	$\frac{1,113,686}{5,382,399}$	99,999	$\frac{5,182,401}{5,382,401}$	86	$\frac{1,113,514}{5,382,401}$
4,608	115,200,021	$\frac{101}{144}$	115,199,978	$\frac{43}{144}$	100,000	$\frac{40,000}{1,061,683}$	86	$\frac{85,5262}{1,061,683}$	99,999	$\frac{5,108,417}{5,308,417}$	86	$\frac{4,276,138}{5,308,417}$
4,576	114,400,021	$\frac{122}{143}$	114,399,978	$\frac{21}{143}$	100,000	$\frac{200,000}{5,234,943}$	87	$\frac{2,159,959}{5,234,943}$	99,999	$\frac{1,006,989}{1,046,989}$	87	$\frac{431,957}{1,046,989}$
4,544	113,600,022	$\frac{1}{142}$	113,599,977	$\frac{141}{142}$	100,000	$\frac{200,000}{5,161,983}$	88	$\frac{145,496}{5,161,983}$	99,999	$\frac{992,397}{1,032,397}$	88	$\frac{29,064}{1,032,397}$
4,512	112,800,022	$\frac{23}{141}$	112,799,977	$\frac{118}{141}$	100,000	$\frac{40,000}{1,017,907}$	88	$\frac{664,184}{1,017,907}$	99,999	$\frac{4,889,537}{5,089,537}$	88	$\frac{3,320,744}{5,089,537}$
4,480	112,000,022	$\frac{9}{28}$	111,999,977	$\frac{19}{28}$	100,000	$\frac{200,000}{5,017,599}$	89	$\frac{1,433,689}{5,017,599}$	99,999	$\frac{4,817,601}{5,017,601}$	89	$\frac{1,433,511}{5,017,601}$
4,448	111,200,022	$\frac{67}{139}$	111,199,977	$\frac{72}{139}$	100,000	$\frac{8,000}{197,847}$	89	$\frac{183,617}{197,847}$	99,999	$\frac{4,746,177}{4,946,177}$	89	$\frac{4,599,247}{4,946,177}$
4,416	110,400,022	$\frac{89}{138}$	110,399,977	$\frac{49}{138}$	100,000	$\frac{200,000}{4,875,263}$	90	$\frac{2,826,330}{4,875,263}$	99,999	$\frac{935,053}{975,053}$	90	$\frac{565,230}{975,053}$
4,384	109,600,022	$\frac{111}{137}$	109,599,977	$\frac{26}{137}$	100,000	$\frac{200,000}{4,804,863}$	91	$\frac{1,157,467}{4,804,863}$	99,999	$\frac{920,973}{960,973}$	91	$\frac{231,457}{960,973}$
4,352	108,800,022	$\frac{133}{136}$	108,799,977	$\frac{3}{27}$	100,000	$\frac{8,000}{189,399}$	91	$\frac{172,691}{189,399}$	99,999	$\frac{4,534,977}{4,734,977}$	91	$\frac{4,317,093}{4,734,977}$
4,320	108,000,023	$\frac{4}{27}$	107,999,976	$\frac{23}{27}$	100,000	$\frac{200,000}{4,665,599}$	92	$\frac{2,764,892}{4,665,599}$	99,999	$\frac{4,465,601}{4,665,601}$	92	$\frac{2,764,708}{4,665,601}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
	Basis		Basis		Perpendicularum		Perpendicularum		Hypotenusa		Hypotenusa	

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM												27
SERIES I.			SERIES II.			SERIES III.						
93	$\frac{1303,459}{4,596,737}$	99,999	$\frac{4396,737}{4,596,737}$	93	$\frac{260,729}{919,347}$	100,000	$\frac{40,000}{919,347}$	107,199,976	$\frac{91}{134}$	107,200,023	$\frac{43}{134}$	4,288
93	$\frac{892,039}{905,677}$	99,999	$\frac{865,677}{905,677}$	93	$\frac{4460,381}{4,528,383}$	100,000	$\frac{200,000}{4,528,383}$	106,399,976	$\frac{67}{133}$	106,400,023	$\frac{66}{133}$	4,256
94	$\frac{621,754}{892,109}$	99,999	$\frac{852,109}{892,109}$	94	$\frac{3108,958}{4,460,543}$	100,000	$\frac{200,000}{4,460,543}$	105,599,976	$\frac{43}{132}$	105,600,023	$\frac{89}{132}$	4,224
95	$\frac{1,844,385}{4,393,217}$	99,999	$\frac{4,193,217}{4,393,217}$	95	$\frac{368,915}{878,643}$	100,000	$\frac{40,000}{878,643}$	104,799,976	$\frac{19}{131}$	104,800,023	$\frac{112}{131}$	4,192
96	$\frac{665,504}{4,326,401}$	99,999	$\frac{4,126,401}{4,326,401}$	96	$\frac{665,666}{4,326,399}$	100,000	$\frac{200,000}{4,326,399}$	103,999,975	$\frac{25}{26}$	104,000,024	$\frac{1}{26}$	4,160
96	$\frac{3,830,688}{4,260,097}$	99,999	$\frac{4,060,097}{4,260,097}$	96	$\frac{766,176}{852,019}$	100,000	$\frac{40,000}{852,019}$	103,199,975	$\frac{100}{129}$	103,200,024	$\frac{29}{129}$	4,128
97	$\frac{550,483}{838,861}$	99,999	$\frac{798,861}{838,861}$	97	$\frac{2,752,609}{4,194,303}$	100,000	$\frac{200,000}{4,194,303}$	102,399,975	$\frac{75}{128}$	102,400,024	$\frac{53}{128}$	4,096
98	$\frac{70,222}{165,161}$	99,999	$\frac{157,161}{165,161}$	98	$\frac{1,755,746}{4,129,023}$	100,000	$\frac{200,000}{4,129,023}$	101,599,975	$\frac{50}{127}$	101,600,024	$\frac{77}{127}$	4,064
99	$\frac{838,557}{4,064,257}$	99,999	$\frac{3,864,257}{4,064,257}$	99	$\frac{167,751}{812,851}$	100,000	$\frac{40,000}{812,851}$	100,799,975	$\frac{25}{126}$	100,800,024	$\frac{101}{126}$	4,032
99	$\frac{3,999,901}{4,000,001}$	99,999	$\frac{3,800,001}{4,000,001}$	100	$\frac{100}{3,999,999}$	100,000	$\frac{200,000}{3,999,999}$	99,999,975		100,000,025		4,000
100	$\frac{3,174,300}{3,936,257}$	99,999	$\frac{3,736,257}{3,936,257}$	100	$\frac{634,900}{787,251}$	100,000	$\frac{40,000}{787,251}$	99,199,974	$\frac{99}{124}$	99,200,025	$\frac{25}{124}$	3,968
101	$\frac{96,979}{154,921}$	99,999	$\frac{146,921}{154,921}$	101	$\frac{2,424,677}{3,873,023}$	100,000	$\frac{200,000}{3,873,023}$	98,399,974	$\frac{73}{123}$	98,400,025	$\frac{50}{123}$	3,936
102	$\frac{349,778}{762,061}$	99,999	$\frac{722,061}{762,061}$	102	$\frac{1,749,094}{3,810,303}$	100,000	$\frac{200,000}{3,810,303}$	97,599,974	$\frac{47}{122}$	97,600,025	$\frac{75}{122}$	3,904
103	$\frac{1,146,009}{3,748,097}$	99,999	$\frac{3,548,097}{3,748,097}$	103	$\frac{229,243}{749,619}$	100,000	$\frac{40,000}{749,619}$	96,799,974	$\frac{21}{121}$	96,800,025	$\frac{100}{121}$	3,872
104	$\frac{614,296}{3,686,401}$	99,999	$\frac{3,864,401}{3,686,401}$	104	$\frac{614,504}{3,686,399}$	100,000	$\frac{200,000}{3,686,399}$	95,999,973	$\frac{23}{24}$	96,000,026	$\frac{1}{24}$	3,840
105	$\frac{152,215}{3,625,217}$	99,999	$\frac{3,425,217}{3,625,217}$	105	$\frac{39,485}{725,043}$	100,000	$\frac{40,000}{725,043}$	95,199,973	$\frac{88}{119}$	95,200,026	$\frac{31}{119}$	3,808
105	$\frac{664,555}{712,909}$	99,999	$\frac{672,909}{712,909}$	105	$\frac{3,322,985}{3,564,543}$	100,000	$\frac{200,000}{3,564,543}$	94,399,973	$\frac{61}{118}$	94,400,026	$\frac{57}{118}$	3,776
106	$\frac{587,038}{700,877}$	99,999	$\frac{660,877}{700,877}$	106	$\frac{2,935,402}{3,504,383}$	100,000	$\frac{200,000}{3,504,383}$	93,599,973	$\frac{34}{117}$	93,600,026	$\frac{83}{117}$	3,744
107	$\frac{2,613,141}{3,444,737}$	99,999	$\frac{3,244,737}{3,444,737}$	107	$\frac{522,671}{688,947}$	100,000	$\frac{40,000}{688,947}$	92,799,973	$\frac{7}{116}$	92,800,026	$\frac{109}{116}$	3,712
108	$\frac{2,355,092}{3,385,601}$	99,999	$\frac{3,185,601}{3,385,601}$	108	$\frac{2,355,308}{3,385,599}$	100,000	$\frac{200,000}{3,385,599}$	91,999,972	$\frac{19}{23}$	92,000,027	$\frac{4}{23}$	3,680
109	$\frac{2,159,597}{3,326,977}$	99,999	$\frac{3,126,977}{3,326,977}$	109	$\frac{86,389}{133,079}$	100,000	$\frac{8,000}{133,079}$	91,199,972	$\frac{67}{114}$	91,200,027	$\frac{47}{114}$	3,648
110	$\frac{404,970}{653,773}$	99,999	$\frac{613,773}{653,773}$	110	$\frac{2,025,070}{3,268,863}$	100,000	$\frac{200,000}{3,268,863}$	90,399,972	$\frac{39}{113}$	90,400,027	$\frac{74}{113}$	3,616
111	$\frac{389,917}{642,253}$	99,999	$\frac{602,253}{642,253}$	111	$\frac{1,949,807}{3,211,263}$	100,000	$\frac{200,000}{3,211,263}$	89,599,972	$\frac{11}{112}$	89,600,027	$\frac{101}{112}$	3,584
112	$\frac{1,932,176}{3,154,177}$	99,999	$\frac{2,954,177}{3,154,177}$	112	$\frac{77,296}{126,167}$	100,000	$\frac{8,000}{126,167}$	88,799,971	$\frac{94}{111}$	88,800,028	$\frac{17}{111}$	3,552
113	$\frac{1,971,087}{3,097,601}$	99,999	$\frac{2,897,601}{3,097,601}$	113	$\frac{1,971,313}{3,097,599}$	100,000	$\frac{200,000}{3,097,599}$	87,999,971	$\frac{13}{22}$	88,000,028	$\frac{9}{22}$	3,520
114	$\frac{2,064,782}{3,041,537}$	99,999	$\frac{2,841,537}{3,041,537}$	114	$\frac{413,002}{608,307}$	100,000	$\frac{40,000}{608,307}$	87,199,971	$\frac{36}{109}$	87,200,028	$\frac{73}{109}$	3,488
115	$\frac{442,345}{597,197}$	99,999	$\frac{557,197}{597,197}$	115	$\frac{2,211,955}{2,985,983}$	100,000	$\frac{200,000}{2,985,983}$	86,399,971	$\frac{7}{108}$	86,400,028	$\frac{101}{108}$	3,456
116	$\frac{482,076}{586,189}$	99,999	$\frac{546,189}{586,189}$	116	$\frac{2,410,612}{2,939,943}$	100,000	$\frac{200,000}{2,939,943}$	85,599,970	$\frac{85}{107}$	85,600,029	$\frac{22}{107}$	3,424
117	$\frac{2,659,211}{2,876,417}$	99,999	$\frac{2,676,417}{2,876,417}$	117	$\frac{531,889}{575,283}$	100,000	$\frac{40,000}{575,283}$	84,799,970	$\frac{55}{106}$	84,800,029	$\frac{51}{106}$	3,392
119	$\frac{134,281}{2,822,401}$	99,999	$\frac{2,622,401}{2,822,401}$	119	$\frac{134,519}{2,822,399}$	100,000	$\frac{200,000}{2,822,399}$	83,999,970	$\frac{5}{21}$	84,000,029	$\frac{16}{21}$	3,360
120	$\frac{532,360}{2,768,897}$	99,999	$\frac{2,668,897}{2,768,897}$	120	$\frac{106,520}{553,779}$	100,000	$\frac{40,000}{553,779}$	83,199,969	$\frac{99}{104}$	83,200,030	$\frac{5}{104}$	3,328
121	$\frac{195,099}{543,181}$	99,999	$\frac{503,181}{543,181}$	121	$\frac{975,737}{2,715,903}$	100,000	$\frac{200,000}{2,715,903}$	82,399,969	$\frac{68}{103}$	82,400,030	$\frac{35}{103}$	3,296
122	$\frac{58,486}{106,537}$	99,999	$\frac{98,537}{106,537}$	122	$\frac{1,462,394}{2,663,423}$	100,000	$\frac{200,000}{2,663,423}$	81,599,969	$\frac{37}{102}$	81,600,030	$\frac{65}{102}$	3,264
123	$\frac{1,990,789}{2,611,457}$	99,999	$\frac{2,411,457}{2,611,457}$	123	$\frac{398,207}{522,291}$	100,000	$\frac{40,000}{522,291}$	80,799,969	$\frac{6}{101}$	80,800,030	$\frac{95}{101}$	3,232
Basis 100,000 Hypotenusa			Perpendicularum			Basis 100,000 Hypotenusa			Perpendicularum 100,000 Basis			Numeri primi Baseos

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

28 CANONION TRIANGVLORVM												
SERIES III.				SERIES II.				SERIES I.				
3,200	80,000,031	$\frac{1}{4}$	79,999,968	$\frac{3}{4}$	100,000	$\frac{200,000}{2,559,999}$	125	$\frac{125}{2,559,999}$	99,999	$\frac{2,360,001}{2,560,001}$	124	$\frac{2,559,876}{2,560,001}$
3,184	79,600,031	$\frac{81}{199}$	79,599,968	$\frac{118}{199}$	100,000	$\frac{200,000}{2,534,463}$	125	$\frac{1,592,125}{2,534,463}$	99,999	$\frac{466,893}{506,893}$	125	$\frac{318,375}{506,893}$
3,168	79,200,031	$\frac{56}{99}$	79,199,968	$\frac{43}{99}$	100,000	$\frac{40,000}{501,811}$	126	$\frac{131,814}{501,811}$	99,999	$\frac{2,309,057}{2,509,057}$	126	$\frac{658,818}{2,509,057}$
3,152	78,800,031	$\frac{143}{197}$	78,799,968	$\frac{54}{197}$	100,000	$\frac{8,000}{99,351}$	126	$\frac{89,774}{99,351}$	99,999	$\frac{2,283,777}{2,483,777}$	126	$\frac{2,244,098}{2,483,777}$
3,136	78,400,031	$\frac{87}{98}$	78,399,968	$\frac{11}{98}$	100,000	$\frac{200,000}{2,458,623}$	127	$\frac{1,354,879}{2,458,623}$	99,999	$\frac{18,069}{19,669}$	127	$\frac{10,837}{19,669}$
3,120	78,000,032	$\frac{2}{39}$	77,999,967	$\frac{37}{39}$	100,000	$\frac{200,000}{2,433,599}$	128	$\frac{499,328}{2,433,599}$	99,999	$\frac{2,233,601}{2,433,601}$	128	$\frac{499,072}{2,433,601}$
3,104	77,600,032	$\frac{21}{97}$	77,599,967	$\frac{76}{97}$	100,000	$\frac{200,000}{2,408,703}$	128	$\frac{2,086,016}{2,408,703}$	99,999	$\frac{441,741}{481,741}$	128	$\frac{417,152}{481,741}$
3,088	77,200,032	$\frac{74}{193}$	77,199,967	$\frac{119}{193}$	100,000	$\frac{40,000}{476,787}$	129	$\frac{254,477}{476,787}$	99,999	$\frac{2,183,937}{2,383,937}$	129	$\frac{1,272,127}{2,383,937}$
3,072	76,800,032	$\frac{53}{96}$	76,799,967	$\frac{43}{96}$	100,000	$\frac{40,000}{471,859}$	130	$\frac{98,330}{471,859}$	99,999	$\frac{2,159,297}{2,359,297}$	130	$\frac{491,390}{2,359,297}$
3,056	76,400,032	$\frac{138}{191}$	76,399,967	$\frac{53}{191}$	100,000	$\frac{200,000}{2,334,783}$	130	$\frac{2,078,210}{2,334,783}$	99,999	$\frac{426,957}{466,957}$	130	$\frac{415,590}{466,957}$
3,040	76,000,032	$\frac{17}{19}$	75,999,967	$\frac{2}{19}$	100,000	$\frac{200,000}{2,310,399}$	131	$\frac{1,337,731}{2,310,399}$	99,999	$\frac{2,110,401}{2,310,401}$	131	$\frac{1,337,469}{2,310,401}$
3,024	75,600,033	$\frac{13}{189}$	75,599,966	$\frac{176}{189}$	100,000	$\frac{200,000}{2,286,143}$	132	$\frac{629,124}{2,286,143}$	99,999	$\frac{417,229}{457,229}$	132	$\frac{125,772}{457,229}$
3,008	75,200,033	$\frac{23}{94}$	75,199,966	$\frac{71}{94}$	100,000	$\frac{40,000}{452,403}$	132	$\frac{442,804}{452,403}$	99,999	$\frac{2,062,017}{2,262,017}$	132	$\frac{2,213,756}{2,262,017}$
2,992	74,800,033	$\frac{79}{187}$	74,799,966	$\frac{108}{187}$	100,000	$\frac{40,000}{447,603}$	133	$\frac{308,801}{447,603}$	99,999	$\frac{2,038,017}{2,238,017}$	133	$\frac{1,543,739}{2,238,017}$
2,976	74,400,033	$\frac{56}{93}$	74,399,966	$\frac{37}{93}$	100,000	$\frac{200,000}{2,214,143}$	134	$\frac{904,838}{2,214,143}$	99,999	$\frac{402,829}{442,829}$	134	$\frac{180,914}{442,829}$
2,960	74,000,033	$\frac{29}{37}$	73,999,966	$\frac{8}{37}$	100,000	$\frac{200,000}{2,190,399}$	135	$\frac{296,135}{2,190,399}$	99,999	$\frac{1,990,401}{2,190,401}$	135	$\frac{295,865}{2,190,401}$
2,944	73,600,033	$\frac{89}{92}$	73,599,966	$\frac{3}{92}$	100,000	$\frac{200,000}{2,166,783}$	135	$\frac{1,884,295}{2,166,783}$	99,999	$\frac{393,357}{433,357}$	135	$\frac{376,805}{433,357}$
2,928	73,200,034	$\frac{28}{183}$	73,199,965	$\frac{155}{183}$	100,000	$\frac{40,000}{428,659}$	136	$\frac{262,376}{428,659}$	99,999	$\frac{1,943,297}{2,143,297}$	136	$\frac{1,311,608}{2,143,297}$
2,912	72,800,034	$\frac{31}{91}$	72,799,965	$\frac{60}{91}$	100,000	$\frac{40,000}{423,987}$	137	$\frac{153,781}{423,987}$	99,999	$\frac{1,919,937}{2,119,937}$	137	$\frac{768,631}{2,119,937}$
2,896	72,400,034	$\frac{96}{181}$	72,399,965	$\frac{85}{181}$	100,000	$\frac{200,000}{2,096,703}$	138	$\frac{254,986}{2,096,703}$	99,999	$\frac{379,341}{419,341}$	138	$\frac{50,942}{419,341}$
2,880	72,000,034	$\frac{13}{18}$	71,999,965	$\frac{5}{18}$	100,000	$\frac{200,000}{2,073,599}$	138	$\frac{1,843,338}{2,073,599}$	99,999	$\frac{1,873,601}{2,073,601}$	138	$\frac{1,843,062}{2,073,601}$
2,864	71,600,034	$\frac{164}{179}$	71,599,965	$\frac{15}{179}$	100,000	$\frac{200,000}{2,050,623}$	139	$\frac{1,363,493}{2,050,623}$	99,999	$\frac{2,961}{3,281}$	139	$\frac{2,181}{3,281}$
2,848	71,200,035	$\frac{10}{89}$	71,199,964	$\frac{79}{89}$	100,000	$\frac{8,000}{81,111}$	140	$\frac{36,460}{81,111}$	99,999	$\frac{1,827,777}{2,027,777}$	140	$\frac{911,220}{2,027,777}$
2,832	70,800,035	$\frac{55}{177}$	70,799,964	$\frac{122}{177}$	100,000	$\frac{40,000}{401,011}$	141	$\frac{97,449}{401,011}$	99,999	$\frac{1,805,057}{2,005,057}$	141	$\frac{486,063}{2,005,057}$
2,816	70,400,035	$\frac{45}{88}$	70,399,964	$\frac{43}{88}$	100,000	$\frac{200,000}{1,982,463}$	142	$\frac{90,254}{1,982,463}$	99,999	$\frac{356,493}{396,493}$	142	$\frac{17,994}{396,493}$
2,800	70,000,035	$\frac{5}{7}$	69,999,964	$\frac{2}{7}$	100,000	$\frac{200,000}{1,959,999}$	142	$\frac{1,680,142}{1,959,999}$	99,999	$\frac{1,760,001}{1,960,001}$	142	$\frac{1,679,858}{1,960,001}$
2,784	69,600,035	$\frac{80}{87}$	69,599,964	$\frac{7}{87}$	100,000	$\frac{200,000}{1,937,663}$	143	$\frac{1,314,191}{1,937,663}$	99,999	$\frac{347,533}{387,533}$	143	$\frac{262,781}{387,533}$
2,768	69,200,036	$\frac{22}{173}$	69,199,963	$\frac{151}{173}$	100,000	$\frac{40,000}{383,091}$	144	$\frac{194,896}{383,091}$	99,999	$\frac{1,715,457}{1,915,457}$	144	$\frac{974,192}{1,915,457}$
2,752	68,800,036	$\frac{29}{86}$	68,799,963	$\frac{57}{86}$	100,000	$\frac{1,600}{15,147}$	145	$\frac{5,285}{15,147}$	99,999	$\frac{1,693,377}{1,893,377}$	145	$\frac{660,335}{1,893,377}$
2,736	68,400,036	$\frac{94}{171}$	68,399,963	$\frac{77}{171}$	100,000	$\frac{200,000}{1,871,423}$	146	$\frac{372,242}{1,871,423}$	99,999	$\frac{66,857}{74,857}$	146	$\frac{14,878}{74,857}$
2,720	68,000,036	$\frac{13}{17}$	67,999,963	$\frac{4}{17}$	100,000	$\frac{200,000}{1,849,599}$	147	$\frac{108,947}{1,849,599}$	99,999	$\frac{1,649,601}{1,849,601}$	147	$\frac{108,653}{1,849,601}$
2,704	67,600,036	$\frac{166}{169}$	67,599,963	$\frac{3}{169}$	100,000	$\frac{200,000}{1,827,903}$	147	$\frac{1,698,259}{1,827,903}$	99,999	$\frac{325,581}{365,581}$	147	$\frac{339,593}{365,581}$
Numeri primi Baseos	<i>Hypotenusa</i>	100,000	<i>Perpendicularum</i>		<i>Hypotenusa</i>	100,000	<i>Basis</i>		<i>Perpendicularum</i>	100,000	<i>Basis</i>	
		Baseis				Perpendicularum				Hypotenusa		

Viète's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											29	
SERIES I.			SERIES II.			SERIES III.						
148	$\frac{1462,124}{1,806,337}$	99,999	$\frac{1,606,337}{1,806,337}$	148	$\frac{292,484}{361,267}$	100,000	$\frac{40,000}{361,267}$	67,199,962	$\frac{67}{84}$	67,200,037	$\frac{17}{84}$	2,688
149	$\frac{1,250,347}{1,784,897}$	99,999	$\frac{1,584,897}{1,784,897}$	149	$\frac{250,129}{356,979}$	100,000	$\frac{40,000}{356,979}$	66,799,962	$\frac{96}{167}$	66,800,037	$\frac{71}{167}$	2,672
150	$\frac{212,450}{352,717}$	99,999	$\frac{312,717}{352,717}$	150	$\frac{1,062,550}{1,763,583}$	100,000	$\frac{200,000}{1,763,583}$	66,399,962	$\frac{29}{83}$	66,400,037	$\frac{54}{83}$	2,656
151	$\frac{897,449}{1,742,401}$	99,999	$\frac{1,542,401}{1,742,401}$	151	$\frac{897,751}{1,742,399}$	100,000	$\frac{200,000}{1,742,399}$	65,999,962	$\frac{4}{33}$	66,000,037	$\frac{29}{33}$	2,640
152	$\frac{151,112}{344,269}$	99,999	$\frac{304,269}{344,269}$	152	$\frac{755,864}{1,721,343}$	100,000	$\frac{200,000}{1,721,343}$	65,599,961	$\frac{73}{82}$	65,600,038	$\frac{9}{82}$	2,624
153	$\frac{636,199}{1,700,417}$	99,999	$\frac{1,500,417}{1,700,417}$	153	$\frac{127,301}{340,083}$	100,000	$\frac{40,000}{340,083}$	65,199,961	$\frac{107}{163}$	65,200,038	$\frac{56}{163}$	2,608
154	$\frac{538,982}{1,679,617}$	99,999	$\frac{1,479,617}{1,679,617}$	154	$\frac{107,858}{335,923}$	100,000	$\frac{40,000}{335,923}$	64,799,961	$\frac{34}{81}$	64,800,038	$\frac{47}{81}$	2,592
155	$\frac{92,705}{331,789}$	99,999	$\frac{291,789}{331,789}$	155	$\frac{463,835}{1,658,943}$	100,000	$\frac{200,000}{1,658,943}$	64,399,961	$\frac{29}{161}$	64,400,038	$\frac{132}{161}$	2,576
156	$\frac{409,444}{1,638,401}$	99,999	$\frac{1,438,401}{1,638,401}$	156	$\frac{409,756}{1,638,399}$	100,000	$\frac{200,000}{1,638,399}$	63,999,960	$\frac{15}{16}$	64,000,039	$\frac{1}{16}$	2,560
157	$\frac{75,271}{323,597}$	99,999	$\frac{283,597}{323,597}$	157	$\frac{376,669}{1,617,983}$	100,000	$\frac{200,000}{1,617,983}$	63,599,960	$\frac{110}{159}$	63,600,039	$\frac{49}{159}$	2,544
158	$\frac{363,874}{1,597,697}$	99,999	$\frac{1,397,697}{1,597,697}$	158	$\frac{72,838}{319,539}$	100,000	$\frac{40,000}{319,539}$	63,199,960	$\frac{35}{79}$	63,200,039	$\frac{44}{79}$	2,528
159	$\frac{371,617}{1,577,537}$	99,999	$\frac{1,377,537}{1,577,537}$	159	$\frac{74,387}{315,507}$	100,000	$\frac{40,000}{315,507}$	62,799,960	$\frac{39}{157}$	62,800,039	$\frac{127}{157}$	2,512
160	$\frac{79,840}{311,501}$	99,999	$\frac{271,501}{311,501}$	160	$\frac{399,520}{1,557,503}$	100,000	$\frac{200,000}{1,557,503}$	62,399,959	$\frac{73}{78}$	62,400,040	$\frac{5}{78}$	2,496
161	$\frac{446,239}{1,537,601}$	99,999	$\frac{1,337,601}{1,537,601}$	161	$\frac{446,561}{1,537,599}$	100,000	$\frac{200,000}{1,537,599}$	61,999,959	$\frac{21}{31}$	62,000,040	$\frac{10}{31}$	2,480
162	$\frac{20,494}{60,713}$	99,999	$\frac{52,713}{60,713}$	162	$\frac{512,674}{1,517,823}$	100,000	$\frac{200,000}{1,517,823}$	61,599,959	$\frac{32}{77}$	61,600,040	$\frac{45}{77}$	2,464
163	$\frac{597,149}{1,498,177}$	99,999	$\frac{1,298,177}{1,498,177}$	163	$\frac{23,899}{59,927}$	100,000	$\frac{8,000}{59,927}$	61,199,959	$\frac{23}{153}$	61,200,040	$\frac{130}{153}$	2,448
164	$\frac{700,252}{1,478,657}$	99,999	$\frac{1,278,657}{1,478,657}$	164	$\frac{140,116}{295,731}$	100,000	$\frac{40,000}{295,731}$	60,799,958	$\frac{67}{76}$	60,800,041	$\frac{9}{76}$	2,432
165	$\frac{164,255}{291,853}$	99,999	$\frac{251,853}{291,853}$	165	$\frac{821,605}{1,459,263}$	100,000	$\frac{200,000}{1,459,263}$	60,399,958	$\frac{92}{151}$	60,400,041	$\frac{59}{151}$	2,416
166	$\frac{950,834}{1,440,001}$	99,999	$\frac{1,240,001}{1,440,001}$	166	$\frac{960,166}{1,439,999}$	100,000	$\frac{200,000}{1,439,999}$	59,999,958	$\frac{1}{3}$	60,000,041	$\frac{2}{3}$	2,400
167	$\frac{223,109}{284,173}$	99,999	$\frac{244,173}{284,173}$	167	$\frac{1,115,879}{1,420,863}$	100,000	$\frac{200,000}{1,420,863}$	59,599,958	$\frac{8}{149}$	59,600,041	$\frac{141}{149}$	2,384
168	$\frac{1,288,024}{1,401,857}$	99,999	$\frac{1,201,857}{1,401,857}$	168	$\frac{257,672}{280,371}$	100,000	$\frac{40,000}{280,371}$	59,199,957	$\frac{57}{74}$	59,200,042	$\frac{17}{74}$	2,368
170	$\frac{93,910}{1,382,977}$	99,999	$\frac{1,182,977}{1,382,977}$	170	$\frac{3,770}{55,319}$	100,000	$\frac{8,000}{55,319}$	58,799,957	$\frac{71}{147}$	58,800,042	$\frac{76}{147}$	2,352
171	$\frac{12,701}{54,569}$	99,999	$\frac{46,569}{54,569}$	171	$\frac{317,867}{1,364,223}$	100,000	$\frac{200,000}{1,364,223}$	58,399,957	$\frac{14}{73}$	58,400,042	$\frac{59}{73}$	2,336
172	$\frac{556,628}{1,345,601}$	99,999	$\frac{1,145,601}{1,345,601}$	172	$\frac{556,972}{1,345,599}$	100,000	$\frac{200,000}{1,345,599}$	57,999,956	$\frac{26}{29}$	58,000,043	$\frac{3}{29}$	2,320
173	$\frac{162,167}{265,421}$	99,999	$\frac{225,421}{265,421}$	173	$\frac{811,181}{1,327,103}$	100,000	$\frac{200,000}{1,327,103}$	57,599,956	$\frac{43}{72}$	57,600,043	$\frac{29}{72}$	2,304
174	$\frac{1,079,762}{1,308,737}$	99,999	$\frac{1,108,737}{1,308,737}$	174	$\frac{216,022}{261,747}$	100,000	$\frac{40,000}{261,747}$	57,199,956	$\frac{42}{143}$	57,200,043	$\frac{101}{143}$	2,288
176	$\frac{72,528}{1,290,497}$	99,999	$\frac{1,090,497}{1,290,497}$	176	$\frac{14,576}{258,099}$	100,000	$\frac{40,000}{258,099}$	56,799,955	$\frac{70}{71}$	56,800,044	$\frac{1}{71}$	2,272
177	$\frac{77,571}{254,477}$	99,999	$\frac{214,477}{254,477}$	177	$\frac{388,209}{1,272,383}$	100,000	$\frac{200,000}{1,272,383}$	56,399,955	$\frac{95}{141}$	56,400,044	$\frac{46}{141}$	2,256
178	$\frac{716,622}{1,254,401}$	99,999	$\frac{1,054,401}{1,254,401}$	178	$\frac{716,978}{1,254,399}$	100,000	$\frac{200,000}{1,254,399}$	55,999,955	$\frac{5}{14}$	56,000,044	$\frac{9}{14}$	2,240
179	$\frac{211,689}{247,399}$	99,999	$\frac{207,399}{247,399}$	179	$\frac{1,058,803}{1,236,543}$	100,000	$\frac{200,000}{1,236,543}$	55,599,955	$\frac{5}{139}$	55,600,044	$\frac{134}{139}$	2,224
181	$\frac{194,123}{1,218,817}$	99,999	$\frac{1,018,817}{1,218,817}$	181	$\frac{38,897}{243,763}$	100,000	$\frac{40,000}{243,763}$	55,199,954	$\frac{49}{69}$	55,200,045	$\frac{20}{69}$	2,208
182	$\frac{578,506}{1,201,217}$	99,999	$\frac{1,001,217}{1,201,217}$	182	$\frac{115,774}{240,243}$	100,000	$\frac{40,000}{240,243}$	54,799,954	$\frac{52}{137}$	54,800,045	$\frac{85}{137}$	2,192
183	$\frac{194,933}{236,749}$	99,999	$\frac{196,749}{236,749}$	183	$\frac{975,031}{1,183,743}$	100,000	$\frac{200,000}{1,183,743}$	54,399,954	$\frac{3}{68}$	54,400,045	$\frac{65}{68}$	2,176
185	$\frac{215,815}{1,166,401}$	99,999	$\frac{966,401}{1,166,401}$	185	$\frac{216,185}{1,166,399}$	100,000	$\frac{200,000}{1,166,399}$	53,999,953	$\frac{19}{27}$	54,000,046	$\frac{8}{27}$	2,160
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Numeri primi Baseos</i>
100,000		100,000		100,000		100,000		100,000		100,000		
Hypotenusa		Perpendicularum		Perpendicularum		Basis		Basis		Hypotenusa		

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

30 CANONION TRIANGVLORVM												
	<i>SERIES III.</i>				<i>SERIES II.</i>				<i>SERIES I.</i>			
2,144	53,600,046	$\frac{43}{67}$	53,599,953	$\frac{24}{67}$	100,000	$\frac{200,000}{1,149,183}$	186	$\frac{651,962}{1,149,183}$	99,999	$\frac{189,837}{229,837}$	186	$\frac{130,318}{229,837}$
2,128	53,200,046	$\frac{132}{133}$	53,199,953	$\frac{1}{133}$	100,000	$\frac{40,000}{226,419}$	187	$\frac{219,647}{226,419}$	99,999	$\frac{932,097}{1,132,097}$	187	$\frac{1,097,861}{1,132,097}$
2,112	52,800,047	$\frac{23}{66}$	52,799,952	$\frac{43}{66}$	100,000	$\frac{40,000}{223,027}$	189	$\frac{87,897}{223,027}$	99,999	$\frac{915,137}{1,115,137}$	189	$\frac{439,107}{1,115,137}$
2,096	52,400,047	$\frac{93}{131}$	52,399,952	$\frac{38}{131}$	100,000	$\frac{200,000}{1,098,303}$	190	$\frac{922,430}{1,098,303}$	99,999	$\frac{179,661}{219,661}$	190	$\frac{184,410}{219,661}$
2,080	52,000,048	$\frac{1}{13}$	51,999,951	$\frac{12}{13}$	100,000	$\frac{200,000}{1,081,599}$	192	$\frac{332,992}{1,081,599}$	99,999	$\frac{881,601}{1,081,601}$	192	$\frac{332,608}{1,081,601}$
2,064	51,600,048	$\frac{58}{129}$	51,599,951	$\frac{71}{129}$	100,000	$\frac{200,000}{1,065,023}$	193	$\frac{850,561}{1,065,023}$	99,999	$\frac{34,601}{42,601}$	193	$\frac{34,007}{42,601}$
2,048	51,200,048	$\frac{53}{64}$	51,199,951	$\frac{11}{64}$	100,000	$\frac{8,000}{41,943}$	195	$\frac{13,115}{41,943}$	99,999	$\frac{848,577}{1,048,577}$	195	$\frac{327,485}{1,048,577}$
2,032	50,800,049	$\frac{27}{127}$	50,799,950	$\frac{100}{127}$	100,000	$\frac{40,000}{206,451}$	196	$\frac{175,604}{206,451}$	99,999	$\frac{832,257}{1,032,257}$	196	$\frac{877,628}{1,032,257}$
2,016	50,400,049	$\frac{38}{63}$	50,399,950	$\frac{25}{63}$	100,000	$\frac{200,000}{1,016,063}$	198	$\frac{419,526}{1,016,063}$	99,999	$\frac{163,213}{203,213}$	198	$\frac{83,826}{203,213}$
2,000	50,000,050		49,999,950		100,000	$\frac{200,000}{999,999}$	200	$\frac{200}{999,999}$	99,999	$\frac{800,001}{1,000,001}$	199	$\frac{999,801}{1,000,001}$
1,984	49,600,050	$\frac{25}{62}$	49,599,949	$\frac{37}{62}$	100,000	$\frac{200,000}{984,063}$	201	$\frac{603,337}{984,063}$	99,999	$\frac{156,813}{196,813}$	201	$\frac{120,587}{196,813}$
1,968	49,200,050	$\frac{100}{123}$	49,199,949	$\frac{23}{123}$	100,000	$\frac{40,000}{193,651}$	203	$\frac{48,847}{193,651}$	99,999	$\frac{768,257}{968,257}$	203	$\frac{243,829}{968,257}$
1,952	48,800,051	$\frac{14}{61}$	48,799,948	$\frac{47}{61}$	100,000	$\frac{8,000}{38,103}$	204	$\frac{34,988}{38,103}$	99,999	$\frac{752,577}{952,577}$	204	$\frac{874,292}{952,577}$
1,936	48,400,051	$\frac{79}{121}$	48,399,948	$\frac{42}{121}$	100,000	$\frac{200,000}{937,023}$	206	$\frac{573,262}{937,023}$	99,999	$\frac{29,481}{37,481}$	206	$\frac{22,914}{37,481}$
1,920	48,000,052	$\frac{1}{12}$	47,999,947	$\frac{11}{12}$	100,000	$\frac{200,000}{921,599}$	208	$\frac{307,408}{921,599}$	99,999	$\frac{721,601}{921,601}$	208	$\frac{306,992}{921,601}$
1,904	47,600,052	$\frac{62}{119}$	47,599,947	$\frac{57}{119}$	100,000	$\frac{200,000}{906,303}$	210	$\frac{76,370}{906,303}$	99,999	$\frac{141,261}{181,261}$	210	$\frac{15,190}{181,261}$
1,888	47,200,052	$\frac{57}{59}$	47,199,947	$\frac{2}{59}$	100,000	$\frac{40,000}{178,227}$	211	$\frac{154,103}{178,227}$	99,999	$\frac{691,137}{891,137}$	211	$\frac{770,093}{891,137}$
1,872	46,800,053	$\frac{49}{117}$	46,799,946	$\frac{68}{117}$	100,000	$\frac{40,000}{175,219}$	213	$\frac{118,353}{175,219}$	99,999	$\frac{676,097}{876,097}$	213	$\frac{591,339}{876,097}$
1,856	46,400,053	$\frac{51}{58}$	46,399,946	$\frac{7}{58}$	100,000	$\frac{200,000}{861,183}$	215	$\frac{445,655}{861,183}$	99,999	$\frac{132,237}{172,237}$	215	$\frac{89,045}{172,237}$
1,840	46,000,054	$\frac{8}{23}$	45,999,945	$\frac{15}{23}$	100,000	$\frac{200,000}{846,399}$	217	$\frac{331,417}{846,399}$	99,999	$\frac{646,401}{846,401}$	217	$\frac{330,983}{846,401}$
1,824	45,600,054	$\frac{47}{57}$	45,599,945	$\frac{10}{57}$	100,000	$\frac{200,000}{831,743}$	219	$\frac{248,283}{831,743}$	99,999	$\frac{126,349}{166,349}$	219	$\frac{49,569}{166,349}$
1,808	45,200,055	$\frac{35}{113}$	45,199,944	$\frac{78}{113}$	100,000	$\frac{40,000}{163,443}$	221	$\frac{39,097}{163,443}$	99,999	$\frac{617,217}{817,217}$	221	$\frac{195,043}{817,217}$
1,792	44,800,055	$\frac{45}{56}$	44,799,944	$\frac{11}{56}$	100,000	$\frac{40,000}{160,563}$	223	$\frac{34,451}{160,563}$	99,999	$\frac{602,817}{802,817}$	223	$\frac{171,809}{802,817}$
1,776	44,400,056	$\frac{34}{111}$	44,399,943	$\frac{77}{111}$	100,000	$\frac{200,000}{788,543}$	225	$\frac{177,825}{788,543}$	99,999	$\frac{117,709}{157,709}$	225	$\frac{35,475}{157,709}$
1,760	44,000,056	$\frac{9}{11}$	43,999,943	$\frac{2}{11}$	100,000	$\frac{200,000}{774,399}$	227	$\frac{211,427}{774,399}$	99,999	$\frac{574,401}{774,401}$	227	$\frac{210,973}{774,401}$
1,744	43,600,057	$\frac{37}{109}$	43,599,942	$\frac{72}{109}$	100,000	$\frac{200,000}{760,383}$	229	$\frac{272,293}{760,383}$	99,999	$\frac{112,077}{152,077}$	229	$\frac{54,367}{152,077}$
1,728	43,200,057	$\frac{47}{54}$	43,199,942	$\frac{7}{54}$	100,000	$\frac{40,000}{149,299}$	231	$\frac{71,931}{149,299}$	99,999	$\frac{546,497}{746,497}$	231	$\frac{359,193}{746,497}$
1,712	42,800,058	$\frac{44}{107}$	42,799,941	$\frac{63}{107}$	100,000	$\frac{40,000}{146,547}$	233	$\frac{94,549}{146,547}$	99,999	$\frac{532,737}{732,737}$	233	$\frac{472,279}{732,737}$
1,696	42,400,058	$\frac{51}{53}$	42,399,941	$\frac{2}{53}$	100,000	$\frac{200,000}{719,103}$	235	$\frac{610,795}{719,103}$	99,999	$\frac{103,821}{143,821}$	235	$\frac{122,065}{143,821}$
1,680	42,000,059	$\frac{11}{21}$	41,999,940	$\frac{10}{21}$	100,000	$\frac{200,000}{705,599}$	238	$\frac{67,438}{705,599}$	99,999	$\frac{505,601}{705,601}$	238	$\frac{66,962}{705,601}$
1,664	41,600,060	$\frac{5}{52}$	41,599,939	$\frac{47}{52}$	100,000	$\frac{200,000}{692,223}$	240	$\frac{266,480}{692,223}$	99,999	$\frac{19,689}{27,689}$	240	$\frac{10,640}{27,689}$
1,648	41,200,060	$\frac{70}{103}$	41,199,939	$\frac{33}{103}$	100,000	$\frac{8,000}{27,159}$	242	$\frac{19,522}{27,159}$	99,999	$\frac{478,977}{678,977}$	242	$\frac{487,566}{678,977}$
1,632	40,800,061	$\frac{14}{51}$	40,799,938	$\frac{37}{51}$	100,000	$\frac{40,000}{133,171}$	245	$\frac{13,105}{133,171}$	99,999	$\frac{465,857}{665,857}$	245	$\frac{65,035}{665,857}$
1,616	40,400,061	$\frac{89}{101}$	40,399,938	$\frac{12}{101}$	100,000	$\frac{200,000}{652,863}$	247	$\frac{342,839}{652,863}$	99,999	$\frac{99,573}{130,573}$	247	$\frac{68,469}{130,573}$
Numeri primi Baseos	<i>Hypotenusa</i>	<i>Perpendicularum</i>	100,000	<i>Basis</i>	<i>Hypotenusa</i>	<i>Perpendicularum</i>	<i>Basis</i>	100,000	<i>Perpendicularum</i>	<i>Basis</i>	100,000	<i>Hypotenusa</i>

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM												31
SERIES I.			SERIES II.				SERIES III.					
249	$\frac{639,751}{640,001}$	99,999	$\frac{440,001}{640,001}$	250	$\frac{250}{639,999}$	100,000	$\frac{200,000}{639,999}$	39,999,937	$\frac{1}{2}$	40,000,062	$\frac{1}{2}$	1,600
251	$\frac{162,133}{633,617}$	99,999	$\frac{433,617}{633,617}$	251	$\frac{32,527}{126,723}$	100,000	$\frac{40,000}{126,723}$	39,799,937	$\frac{37}{199}$	39,800,062	$\frac{162}{199}$	1,592
252	$\frac{65,844}{125,453}$	99,999	$\frac{85,453}{125,453}$	252	$\frac{329,724}{627,263}$	100,000	$\frac{200,000}{627,263}$	39,599,936	$\frac{86}{99}$	39,600,063	$\frac{13}{99}$	1,584
253	$\frac{100,183}{124,189}$	99,999	$\frac{84,189}{124,189}$	253	$\frac{501,421}{620,943}$	100,000	$\frac{200,000}{620,943}$	39,399,936	$\frac{108}{197}$	39,400,063	$\frac{89}{197}$	1,576
255	$\frac{62,465}{614,657}$	99,999	$\frac{414,657}{614,657}$	255	$\frac{12,595}{122,931}$	100,000	$\frac{40,000}{122,931}$	39,199,936	$\frac{11}{49}$	39,200,063	$\frac{38}{49}$	1,568
256	$\frac{249,344}{608,401}$	99,999	$\frac{408,401}{608,401}$	256	$\frac{249,856}{608,399}$	100,000	$\frac{200,000}{608,399}$	38,999,935	$\frac{35}{39}$	39,000,064	$\frac{4}{39}$	1,560
257	$\frac{440,511}{602,177}$	99,999	$\frac{402,177}{602,177}$	257	$\frac{17,641}{24,087}$	100,000	$\frac{8,000}{24,087}$	38,799,935	$\frac{55}{97}$	38,800,064	$\frac{42}{97}$	1,552
259	$\frac{7,977}{119,197}$	99,999	$\frac{79,197}{119,197}$	259	$\frac{40,403}{595,983}$	100,000	$\frac{200,000}{595,983}$	38,599,935	$\frac{45}{193}$	38,600,064	$\frac{148}{193}$	1,544
260	$\frac{9,820}{23,593}$	99,999	$\frac{15,593}{23,593}$	260	$\frac{246,020}{589,823}$	100,000	$\frac{200,000}{589,823}$	38,399,934	$\frac{43}{48}$	38,400,065	$\frac{5}{48}$	1,536
261	$\frac{455,083}{583,697}$	99,999	$\frac{383,697}{583,697}$	261	$\frac{91,121}{116,739}$	100,000	$\frac{40,000}{116,739}$	38,199,934	$\frac{106}{191}$	38,200,065	$\frac{85}{191}$	1,528
263	$\frac{90,937}{577,601}$	99,999	$\frac{377,601}{577,601}$	263	$\frac{91,463}{577,599}$	100,000	$\frac{200,000}{577,599}$	37,999,934	$\frac{4}{19}$	38,000,065	$\frac{15}{19}$	1,520
264	$\frac{314,232}{571,537}$	99,999	$\frac{371,537}{571,537}$	264	$\frac{62,952}{114,307}$	100,000	$\frac{40,000}{114,307}$	37,799,933	$\frac{163}{189}$	37,800,066	$\frac{26}{189}$	1,512
265	$\frac{108,235}{113,101}$	99,999	$\frac{73,101}{113,101}$	265	$\frac{541,705}{505,503}$	100,000	$\frac{200,000}{505,503}$	37,599,933	$\frac{24}{47}$	37,600,066	$\frac{23}{47}$	1,504
267	$\frac{42,433}{111,901}$	99,999	$\frac{71,901}{111,901}$	267	$\frac{212,699}{559,503}$	100,000	$\frac{200,000}{559,503}$	37,399,933	$\frac{29}{187}$	37,400,066	$\frac{158}{187}$	1,496
268	$\frac{452,084}{553,537}$	99,999	$\frac{353,537}{553,537}$	268	$\frac{90,524}{110,707}$	100,000	$\frac{40,000}{110,707}$	37,199,932	$\frac{74}{93}$	37,200,067	$\frac{19}{93}$	1,488
270	$\frac{147,730}{547,601}$	99,999	$\frac{347,601}{547,601}$	270	$\frac{148,270}{547,599}$	100,000	$\frac{200,000}{547,599}$	36,999,932	$\frac{16}{37}$	37,000,067	$\frac{21}{37}$	1,480
271	$\frac{400,113}{541,697}$	99,999	$\frac{341,697}{541,697}$	271	$\frac{80,131}{108,339}$	100,000	$\frac{40,000}{108,339}$	36,799,932	$\frac{3}{46}$	36,800,067	$\frac{43}{46}$	1,472
273	$\frac{4,791}{21,433}$	99,999	$\frac{13,433}{21,433}$	273	$\frac{120,321}{535,823}$	100,000	$\frac{200,000}{535,823}$	36,599,931	$\frac{127}{183}$	36,600,068	$\frac{56}{183}$	1,464
274	$\frac{76,822}{105,997}$	99,999	$\frac{65,997}{105,997}$	274	$\frac{384,658}{529,983}$	100,000	$\frac{200,000}{529,983}$	36,399,931	$\frac{29}{91}$	36,400,068	$\frac{62}{91}$	1,456
276	$\frac{127,148}{524,177}$	99,999	$\frac{324,177}{524,177}$	276	$\frac{5,108}{20,967}$	100,000	$\frac{8,000}{20,967}$	36,199,930	$\frac{170}{181}$	36,200,069	$\frac{11}{181}$	1,448
277	$\frac{402,923}{518,401}$	99,999	$\frac{318,401}{518,401}$	277	$\frac{403,477}{518,399}$	100,000	$\frac{200,000}{518,399}$	35,999,930	$\frac{5}{9}$	36,000,069	$\frac{4}{9}$	1,440
279	$\frac{168,697}{512,657}$	99,999	$\frac{312,657}{512,657}$	279	$\frac{33,851}{102,531}$	100,000	$\frac{40,000}{102,531}$	35,799,930	$\frac{39}{179}$	35,800,069	$\frac{149}{179}$	1,432
280	$\frac{91,080}{101,389}$	99,999	$\frac{61,389}{101,389}$	280	$\frac{455,960}{506,943}$	100,000	$\frac{200,000}{506,943}$	35,599,929	$\frac{69}{89}$	35,600,070	$\frac{20}{89}$	1,424
282	$\frac{48,654}{100,253}$	99,999	$\frac{60,253}{100,253}$	282	$\frac{243,834}{501,263}$	100,000	$\frac{200,000}{501,263}$	35,399,929	$\frac{67}{177}$	35,400,070	$\frac{110}{177}$	1,416
284	$\frac{44,772}{495,617}$	99,999	$\frac{295,617}{495,617}$	284	$\frac{9,068}{99,123}$	100,000	$\frac{40,000}{99,123}$	35,199,928	$\frac{43}{44}$	35,200,071	$\frac{1}{44}$	1,408
285	$\frac{349,715}{490,001}$	99,999	$\frac{290,001}{490,001}$	285	$\frac{350,285}{489,999}$	100,000	$\frac{200,000}{489,999}$	34,999,928	$\frac{4}{7}$	35,000,071	$\frac{3}{7}$	1,400
287	$\frac{172,321}{484,417}$	99,999	$\frac{284,417}{484,417}$	287	$\frac{34,579}{96,883}$	100,000	$\frac{40,000}{96,883}$	34,799,928	$\frac{14}{87}$	34,800,071	$\frac{73}{87}$	1,392
289	$\frac{1,603}{95,773}$	99,999	$\frac{55,773}{95,773}$	289	$\frac{8,593}{478,863}$	100,000	$\frac{200,000}{478,863}$	34,599,927	$\frac{129}{173}$	34,600,072	$\frac{44}{173}$	1,384
290	$\frac{65,990}{94,669}$	99,999	$\frac{54,669}{94,669}$	290	$\frac{339,539}{473,343}$	100,000	$\frac{200,000}{473,343}$	34,399,927	$\frac{14}{43}$	34,400,072	$\frac{29}{43}$	1,376
292	$\frac{185,756}{467,857}$	99,999	$\frac{267,857}{467,857}$	292	$\frac{37,268}{93,571}$	100,000	$\frac{40,000}{93,571}$	34,199,926	$\frac{154}{171}$	34,200,073	$\frac{17}{171}$	1,368
294	$\frac{54,106}{462,401}$	99,999	$\frac{262,401}{462,401}$	294	$\frac{54,694}{462,399}$	100,000	$\frac{200,000}{462,399}$	33,999,926	$\frac{8}{17}$	34,000,073	$\frac{9}{17}$	1,360
295	$\frac{391,785}{456,977}$	99,999	$\frac{256,977}{456,977}$	295	$\frac{15,695}{18,279}$	100,000	$\frac{8,000}{18,279}$	33,799,926	$\frac{6}{169}$	33,800,073	$\frac{163}{169}$	1,352
Basis 100,000 Hypotenusa			Perpendicularum			Basis 100,000 Hypotenusa			Perpendicularum 100,000 Hypotenusa			Numeri primi Baseos

Viète's *Canon mathematicus* : *Canonium triangulorum* (1579) (reconstruction, D. Roegel, 2011)

32 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
1,344	33,600,074	$\frac{17}{42}$	33,599,925	$\frac{25}{42}$	100,000	$\frac{200,000}{451,583}$	297	$\frac{279,849}{451,583}$	99,999	$\frac{50,317}{90,317}$	297	$\frac{55,851}{90,317}$
1,336	33,400,074	$\frac{142}{167}$	33,399,925	$\frac{25}{167}$	100,000	$\frac{200,000}{446,223}$	299	$\frac{179,323}{446,223}$	99,999	$\frac{9,849}{17,849}$	299	$\frac{7,149}{17,849}$
1,328	33,200,075	$\frac{25}{83}$	33,199,924	$\frac{58}{83}$	100,000	$\frac{40,000}{88,179}$	301	$\frac{18,121}{88,179}$	99,999	$\frac{249,897}{440,897}$	301	$\frac{90,003}{440,897}$
1,320	33,000,075	$\frac{25}{33}$	32,999,924	$\frac{8}{33}$	100,000	$\frac{200,000}{435,599}$	303	$\frac{13,503}{435,599}$	99,999	$\frac{235,601}{435,601}$	303	$\frac{12,897}{435,601}$
1,312	32,800,076	$\frac{9}{41}$	32,799,923	$\frac{32}{41}$	100,000	$\frac{40,000}{86,067}$	304	$\frac{75,632}{86,067}$	99,999	$\frac{230,337}{430,337}$	304	$\frac{377,552}{430,337}$
1,304	32,600,076	$\frac{112}{163}$	32,599,923	$\frac{51}{163}$	100,000	$\frac{200,000}{425,103}$	306	$\frac{318,482}{425,103}$	99,999	$\frac{45,021}{85,021}$	306	$\frac{63,574}{85,021}$
1,296	32,400,077	$\frac{13}{81}$	32,399,922	$\frac{68}{81}$	100,000	$\frac{200,000}{419,903}$	308	$\frac{269,876}{419,903}$	99,999	$\frac{43,981}{83,981}$	308	$\frac{53,852}{83,981}$
1,288	32,200,077	$\frac{103}{161}$	32,199,922	$\frac{58}{161}$	100,000	$\frac{40,000}{82,947}$	310	$\frac{46,430}{82,947}$	99,999	$\frac{214,737}{414,737}$	310	$\frac{231,530}{414,737}$
1,280	32,000,078	$\frac{1}{8}$	31,999,921	$\frac{7}{8}$	100,000	$\frac{200,000}{409,599}$	312	$\frac{205,112}{409,599}$	99,999	$\frac{209,601}{409,601}$	312	$\frac{204,488}{409,601}$
1,272	31,800,078	$\frac{98}{159}$	31,799,921	$\frac{61}{159}$	100,000	$\frac{40,000}{80,899}$	314	$\frac{37,714}{80,899}$	99,999	$\frac{204,497}{404,497}$	314	$\frac{187,942}{404,497}$
1,264	31,600,079	$\frac{9}{79}$	31,599,920	$\frac{70}{79}$	100,000	$\frac{200,000}{399,423}$	316	$\frac{182,332}{399,423}$	99,999	$\frac{7,977}{15,977}$	316	$\frac{7,268}{15,977}$
1,256	31,400,079	$\frac{97}{157}$	31,399,920	$\frac{60}{157}$	100,000	$\frac{200,000}{394,383}$	318	$\frac{186,206}{394,383}$	99,999	$\frac{38,877}{78,877}$	318	$\frac{37,114}{78,877}$
1,248	31,200,080	$\frac{5}{39}$	31,199,919	$\frac{34}{39}$	100,000	$\frac{320}{623}$	320	$\frac{320}{623}$	99,999	$\frac{189,377}{389,377}$	320	$\frac{199,360}{389,377}$
1,240	31,000,080	$\frac{20}{31}$	30,999,919	$\frac{11}{31}$	100,000	$\frac{200,000}{384,399}$	322	$\frac{223,522}{384,399}$	99,999	$\frac{184,401}{384,401}$	322	$\frac{222,878}{384,401}$
1,232	30,800,081	$\frac{13}{77}$	30,799,918	$\frac{64}{77}$	100,000	$\frac{40,000}{75,891}$	324	$\frac{51,316}{75,891}$	99,999	$\frac{179,457}{379,457}$	324	$\frac{255,932}{379,457}$
1,224	30,600,081	$\frac{107}{153}$	30,599,918	$\frac{46}{153}$	100,000	$\frac{200,000}{374,543}$	326	$\frac{298,982}{374,543}$	99,999	$\frac{34,909}{74,909}$	326	$\frac{59,666}{74,909}$
1,216	30,400,082	$\frac{9}{38}$	30,399,917	$\frac{29}{38}$	100,000	$\frac{200,000}{369,663}$	328	$\frac{350,536}{369,663}$	99,999	$\frac{33,933}{73,933}$	328	$\frac{69,976}{73,933}$
1,208	30,200,082	$\frac{118}{151}$	30,199,917	$\frac{33}{151}$	100,000	$\frac{40,000}{72,963}$	331	$\frac{9,247}{72,963}$	99,999	$\frac{164,817}{364,817}$	331	$\frac{45,573}{364,817}$
1,200	30,000,083	$\frac{1}{3}$	29,999,916	$\frac{2}{3}$	100,000	$\frac{200,000}{359,999}$	333	$\frac{120,333}{359,999}$	99,999	$\frac{160,001}{360,001}$	333	$\frac{119,667}{360,001}$
1,192	29,800,083	$\frac{133}{149}$	29,799,916	$\frac{16}{149}$	100,000	$\frac{40,000}{71,043}$	335	$\frac{40,595}{71,043}$	99,999	$\frac{155,217}{355,217}$	335	$\frac{202,305}{355,217}$
1,184	29,600,084	$\frac{17}{37}$	29,599,915	$\frac{20}{37}$	100,000	$\frac{200,000}{350,463}$	337	$\frac{293,969}{350,463}$	99,999	$\frac{39,093}{70,093}$	337	$\frac{58,659}{70,093}$
1,176	29,400,085	$\frac{5}{147}$	29,399,914	$\frac{142}{147}$	100,000	$\frac{200,000}{345,743}$	340	$\frac{47,380}{345,743}$	99,999	$\frac{29,149}{69,149}$	340	$\frac{9,340}{69,149}$
1,168	29,200,085	$\frac{45}{73}$	29,199,914	$\frac{28}{73}$	100,000	$\frac{40,000}{68,211}$	342	$\frac{31,838}{68,211}$	99,999	$\frac{141,057}{341,057}$	342	$\frac{158,506}{341,057}$
1,160	29,000,086	$\frac{6}{29}$	28,999,913	$\frac{23}{29}$	100,000	$\frac{200,000}{336,399}$	344	$\frac{278,744}{336,399}$	99,999	$\frac{136,401}{336,401}$	344	$\frac{278,056}{336,401}$
1,152	28,800,086	$\frac{29}{36}$	28,799,913	$\frac{7}{36}$	100,000	$\frac{8,000}{13,271}$	347	$\frac{2,063}{13,271}$	99,999	$\frac{131,777}{331,777}$	347	$\frac{73,381}{331,777}$
1,144	28,600,087	$\frac{59}{143}$	28,599,912	$\frac{84}{143}$	100,000	$\frac{200,000}{327,183}$	349	$\frac{213,133}{327,183}$	99,999	$\frac{25,437}{65,437}$	349	$\frac{42,487}{65,437}$
1,136	28,400,088	$\frac{2}{71}$	28,399,911	$\frac{69}{71}$	100,000	$\frac{200,000}{322,623}$	352	$\frac{36,704}{322,623}$	99,999	$\frac{981}{2,581}$	352	$\frac{288}{2,581}$
1,128	28,200,088	$\frac{92}{141}$	28,199,911	$\frac{49}{141}$	100,000	$\frac{40,000}{63,619}$	354	$\frac{38,874}{63,619}$	99,999	$\frac{118,097}{318,097}$	354	$\frac{193,662}{318,097}$
1,120	28,000,089	$\frac{2}{7}$	27,999,910	$\frac{5}{7}$	100,000	$\frac{200,000}{313,599}$	357	$\frac{45,157}{313,599}$	99,999	$\frac{113,601}{313,601}$	357	$\frac{44,443}{313,601}$
1,112	27,800,089	$\frac{129}{139}$	27,799,910	$\frac{10}{139}$	100,000	$\frac{40,000}{61,827}$	359	$\frac{44,107}{61,827}$	99,999	$\frac{109,137}{309,137}$	359	$\frac{219,817}{309,137}$
1,104	27,600,090	$\frac{40}{69}$	27,599,909	$\frac{29}{69}$	100,000	$\frac{200,000}{304,703}$	362	$\frac{97,514}{304,703}$	99,999	$\frac{29,941}{60,941}$	362	$\frac{19,358}{60,941}$
1,096	27,400,091	$\frac{33}{137}$	27,399,908	$\frac{104}{137}$	100,000	$\frac{200,000}{300,303}$	364	$\frac{289,708}{300,303}$	99,999	$\frac{20,061}{60,061}$	364	$\frac{57,796}{60,061}$
1,088	27,200,091	$\frac{31}{34}$	27,199,908	$\frac{3}{34}$	100,000	$\frac{40,000}{59,187}$	367	$\frac{38,371}{59,187}$	99,999	$\frac{95,937}{295,937}$	367	$\frac{191,121}{295,937}$
1,080	27,000,092	$\frac{16}{27}$	26,999,907	$\frac{11}{27}$	100,000	$\frac{200,000}{291,599}$	370	$\frac{108,370}{291,599}$	99,999	$\frac{91,601}{291,601}$	370	$\frac{107,630}{291,601}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
			Basis				Perpendicularum				Hypotenusa	

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM												33
SERIES I.			SERIES II.			SERIES III.						
373	$\frac{38,219}{287,297}$	99,999	$\frac{87,297}{287,297}$	373	$\frac{7,793}{57,459}$	100,000	$\frac{40,000}{57,459}$	26,799,906	$\frac{48}{67}$	26,800,093	$\frac{19}{67}$	1,072
375	$\frac{10,625}{11,321}$	99,999	$\frac{3,321}{11,321}$	375	$\frac{266,375}{283,023}$	100,000	$\frac{200,000}{283,023}$	26,599,906	$\frac{2}{133}$	26,600,093	$\frac{131}{133}$	1,064
378	$\frac{43,854}{55,757}$	99,999	$\frac{15,757}{55,757}$	378	$\frac{220,026}{278,783}$	100,000	$\frac{200,000}{278,783}$	26,399,905	$\frac{10}{33}$	26,400,094	$\frac{23}{33}$	1,056
381	$\frac{186,163}{274,577}$	99,999	$\frac{74,577}{274,577}$	381	$\frac{7,477}{10,983}$	100,000	$\frac{8,000}{10,983}$	26,199,904	$\frac{76}{131}$	26,200,095	$\frac{55}{131}$	1,048
384	$\frac{166,016}{270,401}$	99,999	$\frac{70,401}{270,401}$	384	$\frac{166,784}{270,399}$	100,000	$\frac{200,000}{270,399}$	25,999,903	$\frac{11}{13}$	26,000,096	$\frac{2}{13}$	1,040
387	$\frac{158,541}{266,257}$	99,999	$\frac{66,257}{266,257}$	387	$\frac{31,863}{53,251}$	100,000	$\frac{40,000}{53,251}$	25,799,903	$\frac{13}{129}$	25,800,096	$\frac{116}{129}$	1,032
390	$\frac{32,690}{52,429}$	99,999	$\frac{12,429}{52,429}$	390	$\frac{164,230}{262,143}$	100,000	$\frac{200,000}{262,143}$	25,599,902	$\frac{11}{32}$	25,600,097	$\frac{21}{32}$	1,024
393	$\frac{36,091}{51,613}$	99,999	$\frac{11,613}{51,613}$	393	$\frac{181,241}{258,063}$	100,000	$\frac{200,000}{258,063}$	25,399,901	$\frac{73}{127}$	25,400,098	$\frac{54}{127}$	1,016
396	$\frac{209,268}{254,017}$	99,999	$\frac{54,017}{254,017}$	396	$\frac{42,012}{50,803}$	100,000	$\frac{40,000}{50,803}$	25,199,900	$\frac{50}{63}$	25,200,099	$\frac{13}{63}$	1,008
399	$\frac{249,601}{250,001}$	99,999	$\frac{50,001}{250,001}$	400	$\frac{400}{249,999}$	100,000	$\frac{200,000}{249,999}$	24,999,900		25,000,100		1,000
403	$\frac{55,149}{246,017}$	99,999	$\frac{46,017}{246,017}$	403	$\frac{11,191}{49,203}$	100,000	$\frac{40,000}{49,203}$	24,799,899	$\frac{6}{31}$	24,800,100	$\frac{25}{31}$	992
406	$\frac{24,322}{48,413}$	99,999	$\frac{8,413}{48,413}$	406	$\frac{122,422}{242,063}$	100,000	$\frac{200,000}{242,063}$	24,599,898	$\frac{46}{123}$	24,600,101	$\frac{77}{123}$	984
409	$\frac{39,739}{47,629}$	99,999	$\frac{7,629}{47,629}$	409	$\frac{199,513}{238,143}$	100,000	$\frac{200,000}{238,143}$	24,399,897	$\frac{33}{61}$	24,400,102	$\frac{28}{61}$	976
413	$\frac{51,859}{234,257}$	99,999	$\frac{34,257}{234,257}$	413	$\frac{10,537}{46,851}$	100,000	$\frac{40,000}{46,851}$	24,199,896	$\frac{84}{121}$	24,200,103	$\frac{37}{121}$	968
416	$\frac{153,184}{230,401}$	99,999	$\frac{30,401}{230,401}$	416	$\frac{154,016}{230,399}$	100,000	$\frac{200,000}{230,399}$	23,999,895	$\frac{5}{6}$	24,000,104	$\frac{1}{6}$	960
420	$\frac{37,660}{226,577}$	99,999	$\frac{26,577}{226,577}$	420	$\frac{1,540}{9,063}$	100,000	$\frac{8,000}{9,063}$	23,799,894	$\frac{114}{119}$	23,800,105	$\frac{5}{119}$	952
423	$\frac{32,389}{44,557}$	99,999	$\frac{4,557}{44,557}$	423	$\frac{162,791}{222,783}$	100,000	$\frac{200,000}{222,783}$	23,599,894	$\frac{4}{59}$	23,600,105	$\frac{55}{59}$	944
427	$\frac{3,053}{8,761}$	99,999	$\frac{761}{8,761}$	427	$\frac{77,179}{219,023}$	100,000	$\frac{200,000}{219,023}$	23,399,893	$\frac{19}{117}$	23,400,106	$\frac{98}{117}$	936
431	$\frac{6,993}{215,297}$	99,999	$\frac{15,297}{215,297}$	431	$\frac{1,571}{43,059}$	100,000	$\frac{40,000}{43,059}$	23,199,892	$\frac{7}{29}$	23,200,107	$\frac{22}{29}$	928
434	$\frac{165,166}{211,601}$	99,999	$\frac{11,601}{211,601}$	434	$\frac{166,034}{211,599}$	100,000	$\frac{200,000}{211,599}$	22,999,891	$\frac{7}{23}$	23,000,108	$\frac{16}{23}$	920
438	$\frac{123,594}{207,937}$	99,999	$\frac{7,937}{207,937}$	438	$\frac{24,894}{41,587}$	100,000	$\frac{40,000}{41,587}$	22,799,890	$\frac{20}{57}$	22,800,109	$\frac{37}{57}$	912
442	$\frac{19,438}{40,861}$	99,999	$\frac{861}{40,861}$	442	$\frac{98,074}{204,303}$	100,000	$\frac{200,000}{204,303}$	22,599,889	$\frac{43}{113}$	22,600,110	$\frac{70}{113}$	904
446	$\frac{17,114}{40,141}$	99,999	$\frac{141}{40,141}$	446	$\frac{86,462}{200,703}$	100,000	$\frac{200,000}{200,703}$	22,399,888	$\frac{11}{28}$	22,400,111	$\frac{17}{28}$	896
450	$\frac{88,350}{197,137}$	99,998	$\frac{194,274}{197,137}$	450	$\frac{17,850}{39,427}$	100,001	$\frac{573}{39,427}$	22,199,887	$\frac{43}{111}$	22,200,112	$\frac{68}{111}$	888
454	$\frac{105,146}{193,601}$	99,998	$\frac{187,202}{193,601}$	454	$\frac{106,054}{193,599}$	100,001	$\frac{6,401}{193,599}$	21,999,886	$\frac{4}{11}$	22,000,113	$\frac{7}{11}$	880
458	$\frac{135,574}{190,097}$	99,998	$\frac{180,194}{190,097}$	458	$\frac{27,298}{38,019}$	100,001	$\frac{1,981}{38,019}$	21,799,885	$\frac{35}{109}$	21,800,114	$\frac{74}{109}$	872
462	$\frac{1,434}{1,493}$	99,998	$\frac{1,386}{1,493}$	462	$\frac{180,174}{186,623}$	100,001	$\frac{13,377}{186,623}$	21,599,884	$\frac{7}{27}$	21,600,115	$\frac{20}{27}$	864
467	$\frac{10,521}{36,637}$	99,998	$\frac{33,274}{36,637}$	467	$\frac{53,539}{183,183}$	100,001	$\frac{16,817}{183,183}$	21,399,883	$\frac{19}{107}$	21,400,116	$\frac{88}{107}$	856
471	$\frac{125,033}{179,777}$	99,998	$\frac{159,554}{179,777}$	471	$\frac{5,039}{7,191}$	100,001	$\frac{809}{7,191}$	21,199,882	$\frac{4}{53}$	21,200,117	$\frac{49}{53}$	848
476	$\frac{33,124}{176,401}$	99,998	$\frac{152,802}{176,401}$	476	$\frac{34,076}{176,399}$	100,001	$\frac{23,601}{176,399}$	20,999,880	$\frac{20}{21}$	21,000,119	$\frac{1}{21}$	840
480	$\frac{132,640}{173,057}$	99,998	$\frac{146,114}{173,057}$	480	$\frac{26,720}{34,611}$	100,001	$\frac{5,389}{34,611}$	20,799,879	$\frac{21}{26}$	20,800,120	$\frac{5}{26}$	832
485	$\frac{14,735}{33,949}$	99,998	$\frac{17,898}{33,949}$	485	$\frac{74,645}{169,743}$	100,001	$\frac{30,257}{169,743}$	20,599,878	$\frac{66}{103}$	20,600,121	$\frac{37}{103}$	824
490	$\frac{6,430}{33,293}$	99,998	$\frac{26,586}{33,293}$	490	$\frac{33,130}{166,463}$	100,001	$\frac{33,537}{166,463}$	20,399,877	$\frac{23}{51}$	20,400,122	$\frac{28}{51}$	816
495	$\frac{7,585}{163,217}$	99,998	$\frac{126,434}{163,217}$	495	$\frac{1,715}{32,643}$	100,001	$\frac{7,357}{32,643}$	20,199,876	$\frac{24}{101}$	20,200,123	$\frac{77}{101}$	808
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		Hypotenusa		100,000		Perpendicularum		100,000		Basis		

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

34 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
800	20,000,125		19,999,875		100,001	$\frac{40,001}{159,999}$	500	$\frac{500}{159,999}$	99,998	$\frac{120,002}{160,001}$	499	$\frac{159,501}{160,001}$
796	19,900,125	$\frac{125}{199}$	19,899,874	$\frac{74}{199}$	100,001	$\frac{41,597}{158,403}$	502	$\frac{81,694}{158,403}$	99,998	$\frac{23,362}{31,681}$	502	$\frac{16,138}{31,681}$
792	19,800,126	$\frac{26}{99}$	19,799,873	$\frac{73}{99}$	100,001	$\frac{8,637}{31,363}$	505	$\frac{1,685}{31,363}$	99,998	$\frac{113,634}{156,817}$	505	$\frac{7,415}{156,817}$
788	19,700,126	$\frac{178}{197}$	19,699,873	$\frac{19}{197}$	100,001	$\frac{8,953}{31,047}$	507	$\frac{19,171}{31,047}$	99,998	$\frac{110,474}{155,237}$	507	$\frac{94,841}{155,237}$
784	19,600,127	$\frac{27}{49}$	19,599,872	$\frac{22}{49}$	100,001	$\frac{46,337}{153,663}$	510	$\frac{31,870}{153,663}$	99,998	$\frac{21,466}{30,733}$	510	$\frac{6,170}{30,733}$
780	19,500,128	$\frac{8}{39}$	19,499,871	$\frac{31}{39}$	100,001	$\frac{47,901}{152,099}$	512	$\frac{125,312}{152,099}$	99,998	$\frac{104,202}{152,101}$	512	$\frac{124,288}{152,101}$
776	19,400,128	$\frac{84}{97}$	19,399,871	$\frac{13}{97}$	100,001	$\frac{49,457}{150,543}$	515	$\frac{70,355}{150,543}$	99,998	$\frac{20,218}{30,109}$	515	$\frac{13,865}{30,109}$
772	19,300,129	$\frac{103}{193}$	19,299,870	$\frac{90}{193}$	100,001	$\frac{10,201}{29,799}$	518	$\frac{4,118}{29,799}$	99,998	$\frac{97,994}{148,997}$	518	$\frac{19,554}{148,997}$
768	19,200,130	$\frac{5}{24}$	19,199,869	$\frac{19}{24}$	100,001	$\frac{10,509}{29,491}$	520	$\frac{24,680}{29,491}$	99,998	$\frac{94,914}{147,457}$	520	$\frac{122,360}{147,457}$
764	19,100,130	$\frac{170}{191}$	19,099,869	$\frac{21}{191}$	100,001	$\frac{54,077}{145,923}$	523	$\frac{82,271}{145,923}$	99,998	$\frac{3,674}{5,837}$	523	$\frac{3,240}{5,837}$
760	19,000,131	$\frac{11}{19}$	18,999,868	$\frac{8}{19}$	100,001	$\frac{55,601}{144,399}$	526	$\frac{46,126}{144,399}$	99,998	$\frac{88,802}{144,401}$	526	$\frac{45,074}{144,401}$
756	18,900,132	$\frac{52}{189}$	18,899,867	$\frac{137}{189}$	100,001	$\frac{57,117}{142,883}$	529	$\frac{14,893}{142,883}$	99,998	$\frac{17,154}{28,577}$	529	$\frac{2,767}{28,577}$
752	18,800,132	$\frac{46}{47}$	18,799,867	$\frac{1}{47}$	100,001	$\frac{469}{1,131}$	531	$\frac{1,039}{1,131}$	99,998	$\frac{82,754}{141,377}$	531	$\frac{128,813}{141,377}$
748	18,700,133	$\frac{129}{187}$	18,699,866	$\frac{58}{187}$	100,001	$\frac{481}{1,119}$	534	$\frac{854}{1,119}$	99,998	$\frac{79,754}{139,877}$	534	$\frac{105,682}{139,877}$
744	18,600,134	$\frac{38}{93}$	18,599,865	$\frac{55}{93}$	100,001	$\frac{61,617}{138,383}$	537	$\frac{88,329}{138,383}$	99,998	$\frac{15,354}{27,677}$	537	$\frac{17,451}{27,677}$
740	18,500,135	$\frac{5}{37}$	18,499,864	$\frac{32}{37}$	100,001	$\frac{63,101}{136,899}$	540	$\frac{74,540}{136,899}$	99,998	$\frac{73,802}{136,901}$	540	$\frac{73,460}{136,901}$
736	18,400,135	$\frac{20}{23}$	18,399,864	$\frac{3}{23}$	100,001	$\frac{64,577}{135,423}$	543	$\frac{65,311}{135,423}$	99,998	$\frac{2,834}{5,417}$	543	$\frac{2,569}{5,417}$
732	18,300,136	$\frac{112}{183}$	18,299,863	$\frac{71}{183}$	100,001	$\frac{13,209}{26,791}$	546	$\frac{12,114}{26,791}$	99,998	$\frac{67,914}{133,957}$	546	$\frac{59,478}{133,957}$
728	18,200,137	$\frac{33}{91}$	18,199,862	$\frac{58}{91}$	100,001	$\frac{13,501}{26,499}$	549	$\frac{12,049}{26,499}$	99,998	$\frac{64,994}{132,497}$	549	$\frac{59,147}{132,497}$
724	18,100,138	$\frac{22}{181}$	18,099,861	$\frac{159}{181}$	100,001	$\frac{68,957}{131,043}$	552	$\frac{64,264}{131,043}$	99,998	$\frac{12,418}{26,209}$	552	$\frac{12,632}{26,209}$
720	18,000,138	$\frac{8}{9}$	17,999,861	$\frac{1}{9}$	100,001	$\frac{70,401}{129,599}$	555	$\frac{72,555}{129,599}$	99,998	$\frac{59,202}{129,601}$	555	$\frac{71,445}{129,601}$
716	17,900,139	$\frac{119}{179}$	17,899,860	$\frac{60}{179}$	100,001	$\frac{71,837}{128,163}$	558	$\frac{85,046}{128,163}$	99,998	$\frac{11,266}{25,633}$	558	$\frac{16,786}{25,633}$
712	17,800,140	$\frac{40}{89}$	17,799,859	$\frac{49}{89}$	100,001	$\frac{14,653}{25,347}$	561	$\frac{20,333}{25,347}$	99,998	$\frac{53,474}{126,737}$	561	$\frac{100,543}{126,737}$
708	17,700,141	$\frac{43}{177}$	17,699,858	$\frac{134}{177}$	100,001	$\frac{14,937}{25,063}$	564	$\frac{24,468}{25,063}$	99,998	$\frac{59,634}{125,317}$	564	$\frac{121,212}{125,317}$
704	17,600,142	$\frac{1}{22}$	17,599,857	$\frac{21}{22}$	100,001	$\frac{76,097}{123,903}$	568	$\frac{23,096}{123,903}$	99,998	$\frac{9,562}{24,781}$	568	$\frac{4,392}{24,781}$
700	17,500,142	$\frac{6}{7}$	17,499,857	$\frac{1}{7}$	100,001	$\frac{77,501}{122,499}$	571	$\frac{53,071}{122,499}$	99,998	$\frac{45,002}{122,501}$	571	$\frac{51,929}{122,501}$
696	17,400,143	$\frac{59}{87}$	17,399,856	$\frac{28}{87}$	100,001	$\frac{78,897}{121,103}$	574	$\frac{86,878}{121,103}$	99,998	$\frac{8,442}{24,221}$	574	$\frac{17,146}{24,221}$
692	17,300,144	$\frac{88}{173}$	17,299,855	$\frac{85}{173}$	100,001	$\frac{16,057}{23,943}$	578	$\frac{946}{23,943}$	99,998	$\frac{39,434}{119,717}$	578	$\frac{3,574}{119,717}$
688	17,200,145	$\frac{15}{43}$	17,199,854	$\frac{28}{43}$	100,001	$\frac{16,333}{23,667}$	581	$\frac{9,473}{23,667}$	99,998	$\frac{36,674}{118,337}$	581	$\frac{46,203}{118,337}$
684	17,100,146	$\frac{34}{171}$	17,099,853	$\frac{137}{171}$	100,001	$\frac{83,037}{116,963}$	584	$\frac{93,608}{116,963}$	99,998	$\frac{6,786}{23,393}$	584	$\frac{18,488}{23,393}$
680	17,000,147	$\frac{1}{17}$	16,999,852	$\frac{16}{17}$	100,001	$\frac{84,401}{115,599}$	588	$\frac{27,788}{115,599}$	99,998	$\frac{31,202}{115,601}$	588	$\frac{26,612}{115,601}$
676	16,900,147	$\frac{157}{169}$	16,899,852	$\frac{12}{169}$	100,001	$\frac{85,757}{114,243}$	591	$\frac{82,387}{114,243}$	99,998	$\frac{5,698}{22,849}$	591	$\frac{16,241}{22,849}$
Numeri primi Baseos	<i>Hypotenusa</i>	<i>Perpendicularum</i>	100,000	<i>Basis</i>	<i>Hypotenusa</i>	100,000	<i>Basis</i>	100,000	<i>Perpendicularum</i>	100,000	<i>Basis</i>	<i>Hypotenusa</i>

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM												35
SERIES I.			SERIES II.			SERIES III.						
595	$\frac{26,285}{112,897}$	99,998	$\frac{25,794}{112,897}$	595	$\frac{5,495}{22,579}$	100,001	$\frac{17,421}{22,579}$	16,799,851	$\frac{4}{21}$	16,800,148	$\frac{17}{21}$	672
598	$\frac{88,914}{111,557}$	99,998	$\frac{23,114}{111,557}$	598	$\frac{18,022}{22,311}$	100,001	$\frac{17,689}{22,311}$	16,699,850	$\frac{50}{167}$	16,700,149	$\frac{117}{167}$	668
602	$\frac{1,782}{4,409}$	99,998	$\frac{818}{4,409}$	602	$\frac{45,754}{110,223}$	100,001	$\frac{89,777}{110,223}$	16,599,849	$\frac{33}{83}$	16,600,150	$\frac{50}{83}$	664
606	$\frac{5,994}{108,901}$	99,998	$\frac{17,802}{108,901}$	606	$\frac{7,206}{108,899}$	100,001	$\frac{91,101}{108,899}$	16,499,848	$\frac{16}{33}$	16,500,151	$\frac{17}{33}$	660
609	$\frac{16,147}{21,517}$	99,998	$\frac{3,034}{21,517}$	609	$\frac{81,953}{107,583}$	100,001	$\frac{92,417}{107,583}$	16,399,847	$\frac{23}{41}$	16,400,152	$\frac{18}{41}$	656
613	$\frac{52,199}{106,277}$	99,998	$\frac{12,554}{106,277}$	613	$\frac{2,137}{4,251}$	100,001	$\frac{3,749}{4,251}$	16,299,846	$\frac{102}{163}$	16,300,153	$\frac{61}{163}$	652
617	$\frac{29,191}{104,977}$	99,998	$\frac{9,954}{104,977}$	617	$\frac{1,217}{4,199}$	100,001	$\frac{3,801}{4,199}$	16,199,845	$\frac{55}{81}$	16,200,154	$\frac{26}{81}$	648
621	$\frac{2,323}{20,737}$	99,998	$\frac{1,474}{20,737}$	621	$\frac{12,857}{103,683}$	100,001	$\frac{96,317}{103,683}$	16,099,844	$\frac{116}{161}$	16,100,155	$\frac{45}{161}$	644
624	$\frac{101,776}{102,401}$	99,998	$\frac{4,802}{102,401}$	625	$\frac{625}{102,399}$	100,001	$\frac{97,601}{102,399}$	15,999,843	$\frac{3}{4}$	16,000,156	$\frac{1}{4}$	640
628	$\frac{748}{809}$	99,998	$\frac{18}{809}$	628	$\frac{94,756}{101,123}$	100,001	$\frac{98,877}{101,123}$	15,899,842	$\frac{122}{159}$	15,900,157	$\frac{37}{159}$	636
632	$\frac{90,376}{99,857}$	99,997	$\frac{99,571}{99,857}$	632	$\frac{18,328}{19,971}$	100,002	$\frac{58}{19,971}$	15,799,841	$\frac{61}{79}$	15,800,158	$\frac{18}{79}$	632
636	$\frac{92,308}{98,597}$	99,997	$\frac{95,791}{98,597}$	636	$\frac{18,716}{19,719}$	100,002	$\frac{562}{19,719}$	15,699,840	$\frac{120}{157}$	15,700,159	$\frac{37}{157}$	628
641	$\frac{371}{19,469}$	99,997	$\frac{18,407}{19,469}$	641	$\frac{3,137}{97,343}$	100,002	$\frac{5,314}{97,343}$	15,599,839	$\frac{29}{39}$	15,600,160	$\frac{10}{39}$	624
645	$\frac{14,855}{96,101}$	99,997	$\frac{88,303}{96,101}$	645	$\frac{16,145}{96,099}$	100,002	$\frac{7,802}{96,099}$	15,499,838	$\frac{22}{31}$	15,500,161	$\frac{9}{31}$	620
649	$\frac{6,523}{18,973}$	99,997	$\frac{16,919}{18,973}$	649	$\frac{33,913}{94,863}$	100,002	$\frac{10,274}{94,863}$	15,399,837	$\frac{51}{77}$	15,400,162	$\frac{26}{77}$	616
653	$\frac{55,039}{93,637}$	99,997	$\frac{80,911}{93,637}$	653	$\frac{11,269}{18,727}$	100,002	$\frac{2,546}{18,727}$	15,299,836	$\frac{92}{153}$	15,300,163	$\frac{61}{153}$	612
657	$\frac{82,031}{92,417}$	99,997	$\frac{77,251}{92,417}$	657	$\frac{16,669}{18,483}$	100,002	$\frac{3,034}{18,483}$	15,199,835	$\frac{19}{19}$	15,200,164	$\frac{9}{19}$	608
662	$\frac{4,458}{18,241}$	99,997	$\frac{14,723}{18,241}$	662	$\frac{23,614}{91,203}$	100,002	$\frac{17,594}{91,203}$	15,099,834	$\frac{66}{151}$	15,100,165	$\frac{85}{151}$	604
666	$\frac{59,334}{90,001}$	99,997	$\frac{70,003}{90,001}$	666	$\frac{60,666}{89,999}$	100,002	$\frac{20,002}{89,999}$	14,999,833	$\frac{1}{3}$	15,000,166	$\frac{2}{3}$	600
671	$\frac{2,369}{17,761}$	99,997	$\frac{13,283}{17,761}$	671	$\frac{13,187}{88,803}$	100,002	$\frac{22,394}{88,803}$	14,899,832	$\frac{32}{149}$	14,900,167	$\frac{117}{149}$	596
675	$\frac{58,525}{87,617}$	99,997	$\frac{62,851}{87,617}$	675	$\frac{11,975}{17,523}$	100,002	$\frac{4,954}{17,523}$	14,799,831	$\frac{3}{37}$	14,800,168	$\frac{34}{37}$	592
680	$\frac{22,840}{86,437}$	99,997	$\frac{59,311}{86,437}$	680	$\frac{4,840}{17,287}$	100,002	$\frac{5,426}{17,287}$	14,699,829	$\frac{137}{147}$	14,700,170	$\frac{10}{147}$	588
684	$\frac{15,748}{17,053}$	99,997	$\frac{11,159}{17,053}$	684	$\frac{80,108}{85,263}$	100,002	$\frac{29,474}{85,263}$	14,599,828	$\frac{56}{73}$	14,600,171	$\frac{17}{73}$	584
689	$\frac{54,411}{84,101}$	99,997	$\frac{52,303}{84,101}$	689	$\frac{55,789}{84,099}$	100,002	$\frac{31,802}{84,099}$	14,499,827	$\frac{17}{29}$	14,500,172	$\frac{12}{29}$	580
694	$\frac{7,234}{16,589}$	99,997	$\frac{9,767}{16,589}$	694	$\frac{37,558}{82,943}$	100,002	$\frac{34,114}{82,943}$	14,399,826	$\frac{7}{18}$	14,400,173	$\frac{11}{18}$	576
699	$\frac{23,897}{81,797}$	99,997	$\frac{45,391}{81,797}$	699	$\frac{5,059}{16,359}$	100,002	$\frac{7,282}{16,359}$	14,299,825	$\frac{25}{143}$	14,300,174	$\frac{118}{143}$	572
704	$\frac{17,472}{80,657}$	99,997	$\frac{41,971}{80,657}$	704	$\frac{3,776}{16,131}$	100,002	$\frac{7,738}{16,131}$	14,199,823	$\frac{67}{71}$	14,200,176	$\frac{4}{71}$	568
709	$\frac{671}{3,181}$	99,997	$\frac{1,543}{3,181}$	709	$\frac{18,193}{79,523}$	100,002	$\frac{40,954}{79,523}$	14,099,822	$\frac{98}{141}$	14,100,177	$\frac{43}{141}$	564
714	$\frac{21,686}{78,401}$	99,997	$\frac{35,203}{78,401}$	714	$\frac{23,114}{78,399}$	100,002	$\frac{43,202}{78,399}$	13,999,821	$\frac{3}{7}$	14,000,178	$\frac{4}{7}$	560
719	$\frac{6,417}{15,457}$	99,997	$\frac{6,371}{15,457}$	719	$\frac{33,523}{77,283}$	100,002	$\frac{45,434}{77,283}$	13,899,820	$\frac{20}{139}$	13,900,179	$\frac{119}{139}$	556
724	$\frac{47,852}{76,177}$	99,997	$\frac{28,531}{76,177}$	724	$\frac{1,972}{3,047}$	100,002	$\frac{1,906}{3,047}$	13,799,818	$\frac{58}{69}$	13,800,181	$\frac{11}{69}$	552
729	$\frac{68,867}{75,077}$	99,997	$\frac{25,231}{75,077}$	729	$\frac{2,813}{3,003}$	100,002	$\frac{1,994}{3,003}$	13,699,817	$\frac{71}{137}$	13,700,182	$\frac{66}{137}$	548
735	$\frac{4,205}{14,797}$	99,997	$\frac{4,391}{14,797}$	735	$\frac{22,495}{73,983}$	100,002	$\frac{52,034}{73,983}$	13,599,816	$\frac{3}{17}$	13,600,183	$\frac{14}{17}$	544
740	$\frac{53,260}{72,901}$	99,997	$\frac{18,703}{72,901}$	740	$\frac{54,740}{72,899}$	100,002	$\frac{54,202}{72,899}$	13,499,814	$\frac{22}{27}$	13,500,185	$\frac{5}{27}$	540
Basis 100,000 Hypotenusa			Perpendicularum			Basis 100,000 Perpendicularum			Hypotenusa			Numeri primi Baseos

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

36 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
536	13,400,186	$\frac{38}{67}$	13,399,813	$\frac{29}{67}$	100,002	$\frac{56,354}{71,823}$	746	$\frac{20,042}{71,823}$	99,997	$\frac{619}{2,873}$	746	$\frac{742}{2,873}$
532	13,300,187	$\frac{129}{133}$	13,299,812	$\frac{4}{133}$	100,002	$\frac{11,698}{14,151}$	751	$\frac{12,599}{14,151}$	99,997	$\frac{12,271}{70,757}$	751	$\frac{61,493}{70,757}$
528	13,200,189	$\frac{13}{33}$	13,199,810	$\frac{20}{33}$	100,002	$\frac{12,122}{13,939}$	757	$\frac{8,177}{13,939}$	99,997	$\frac{9,091}{69,697}$	757	$\frac{39,371}{69,697}$
524	13,100,190	$\frac{110}{131}$	13,099,809	$\frac{21}{131}$	100,002	$\frac{62,714}{68,643}$	763	$\frac{25,391}{68,643}$	99,997	$\frac{1,187}{13,729}$	763	$\frac{4,773}{13,729}$
520	13,000,192	$\frac{4}{13}$	12,999,807	$\frac{9}{13}$	100,002	$\frac{64,802}{67,599}$	769	$\frac{16,369}{67,599}$	99,997	$\frac{2,803}{67,601}$	769	$\frac{14,831}{67,601}$
516	12,900,193	$\frac{103}{129}$	12,899,806	$\frac{26}{129}$	100,003	$\frac{311}{66,563}$	775	$\frac{13,675}{66,563}$	99,996	$\frac{13,252}{13,313}$	775	$\frac{2,425}{13,313}$
512	12,800,195	$\frac{5}{16}$	12,799,804	$\frac{11}{16}$	100,003	$\frac{679}{13,107}$	781	$\frac{3,433}{13,107}$	99,996	$\frac{62,148}{65,537}$	781	$\frac{15,603}{65,537}$
508	12,700,196	$\frac{108}{127}$	12,699,803	$\frac{19}{127}$	100,003	$\frac{1,291}{12,903}$	787	$\frac{5,339}{12,903}$	99,996	$\frac{58,068}{64,517}$	787	$\frac{25,121}{64,517}$
504	12,600,198	$\frac{26}{63}$	12,599,801	$\frac{37}{63}$	100,003	$\frac{9,491}{63,503}$	793	$\frac{42,121}{63,503}$	99,996	$\frac{10,804}{12,701}$	793	$\frac{8,107}{12,701}$
500	12,500,200		12,499,800		100,003	$\frac{12,503}{62,499}$	800	$\frac{800}{62,499}$	99,996	$\frac{50,004}{62,501}$	799	$\frac{61,701}{62,501}$
496	12,400,201	$\frac{19}{31}$	12,399,798	$\frac{12}{31}$	100,003	$\frac{15,491}{61,503}$	806	$\frac{28,582}{61,503}$	99,996	$\frac{9,204}{12,301}$	806	$\frac{5,394}{12,301}$
492	12,300,203	$\frac{31}{123}$	12,299,796	$\frac{92}{123}$	100,003	$\frac{3,601}{12,103}$	813	$\frac{261}{12,103}$	99,996	$\frac{42,068}{60,517}$	812	$\frac{60,196}{60,517}$
488	12,200,204	$\frac{56}{61}$	12,199,795	$\frac{5}{61}$	100,003	$\frac{4,279}{11,907}$	819	$\frac{8,167}{11,907}$	99,996	$\frac{38,148}{59,537}$	819	$\frac{39,197}{59,537}$
484	12,100,206	$\frac{74}{121}$	12,099,793	$\frac{47}{121}$	100,003	$\frac{24,311}{58,563}$	826	$\frac{26,962}{58,563}$	99,996	$\frac{6,852}{11,713}$	826	$\frac{5,062}{11,713}$
480	12,000,208	$\frac{1}{3}$	11,999,791	$\frac{2}{3}$	100,003	$\frac{27,293}{57,599}$	833	$\frac{20,033}{57,599}$	99,996	$\frac{30,404}{57,601}$	833	$\frac{18,367}{57,601}$
476	11,900,210	$\frac{10}{119}$	11,899,789	$\frac{109}{119}$	100,003	$\frac{30,071}{56,643}$	840	$\frac{19,880}{56,643}$	99,996	$\frac{5,316}{11,329}$	840	$\frac{3,640}{11,329}$
472	11,800,211	$\frac{51}{59}$	11,799,788	$\frac{8}{59}$	100,003	$\frac{6,583}{11,139}$	847	$\frac{5,267}{11,139}$	99,996	$\frac{22,788}{55,697}$	847	$\frac{24,641}{55,697}$
468	11,700,213	$\frac{79}{117}$	11,699,786	$\frac{38}{117}$	100,003	$\frac{7,147}{10,951}$	854	$\frac{7,846}{10,951}$	99,996	$\frac{19,028}{54,757}$	854	$\frac{37,522}{54,757}$
464	11,600,215	$\frac{15}{29}$	11,599,784	$\frac{14}{29}$	100,003	$\frac{38,531}{53,823}$	862	$\frac{4,574}{53,823}$	99,996	$\frac{612}{2,153}$	862	$\frac{114}{2,153}$
460	11,500,217	$\frac{9}{23}$	11,499,782	$\frac{14}{23}$	100,003	$\frac{41,393}{52,899}$	869	$\frac{30,769}{52,899}$	99,996	$\frac{11,604}{52,901}$	869	$\frac{29,031}{52,901}$
456	11,400,219	$\frac{17}{57}$	11,399,780	$\frac{40}{57}$	100,003	$\frac{44,051}{51,983}$	877	$\frac{10,909}{51,983}$	99,996	$\frac{1,588}{10,397}$	877	$\frac{1,831}{10,397}$
452	11,300,221	$\frac{27}{113}$	11,299,778	$\frac{86}{113}$	100,003	$\frac{1,871}{2,043}$	884	$\frac{1,988}{2,043}$	99,996	$\frac{4,308}{5,077}$	884	$\frac{47,932}{5,077}$
448	11,200,223	$\frac{3}{14}$	11,199,776	$\frac{11}{14}$	100,003	$\frac{1,979}{2,007}$	892	$\frac{1,756}{2,007}$	99,996	$\frac{708}{50,177}$	892	$\frac{42,116}{50,177}$
444	11,100,225	$\frac{25}{111}$	11,099,774	$\frac{86}{111}$	100,004	$\frac{2,868}{49,283}$	900	$\frac{45,300}{49,283}$	99,995	$\frac{9,285}{9,857}$	900	$\frac{8,700}{9,857}$
440	11,000,227	$\frac{3}{11}$	10,999,772	$\frac{8}{11}$	100,004	$\frac{6,404}{48,399}$	909	$\frac{5,399}{48,399}$	99,995	$\frac{42,005}{48,401}$	909	$\frac{3,491}{48,401}$
436	10,900,229	$\frac{39}{109}$	10,899,770	$\frac{70}{109}$	100,004	$\frac{9,998}{47,523}$	917	$\frac{21,499}{47,523}$	99,995	$\frac{1,505}{1,901}$	917	$\frac{783}{1,901}$
432	10,800,231	$\frac{13}{27}$	10,799,768	$\frac{14}{27}$	100,004	$\frac{2,676}{9,331}$	925	$\frac{8,825}{9,331}$	99,995	$\frac{33,285}{46,657}$	925	$\frac{42,275}{46,657}$
428	10,700,233	$\frac{69}{107}$	10,699,766	$\frac{38}{107}$	100,004	$\frac{3,364}{9,159}$	934	$\frac{5,494}{9,159}$	99,995	$\frac{28,985}{45,797}$	934	$\frac{25,602}{45,797}$
424	10,600,235	$\frac{45}{53}$	10,599,764	$\frac{8}{53}$	100,004	$\frac{20,228}{44,943}$	943	$\frac{18,751}{44,943}$	99,995	$\frac{4,945}{8,989}$	943	$\frac{3,373}{8,989}$
420	10,500,238	$\frac{2}{21}$	10,499,761	$\frac{19}{21}$	100,004	$\frac{23,604}{44,099}$	952	$\frac{17,752}{44,099}$	99,995	$\frac{20,505}{44,101}$	952	$\frac{15,848}{44,101}$
416	10,400,240	$\frac{5}{13}$	10,399,759	$\frac{8}{13}$	100,004	$\frac{26,948}{43,263}$	961	$\frac{24,257}{43,263}$	99,995	$\frac{3,265}{8,653}$	961	$\frac{4,467}{8,653}$
412	10,300,242	$\frac{74}{103}$	10,299,757	$\frac{29}{103}$	100,004	$\frac{6,052}{8,487}$	970	$\frac{7,610}{8,487}$	99,995	$\frac{12,185}{42,437}$	970	$\frac{36,110}{42,437}$
408	10,200,245	$\frac{5}{51}$	10,199,754	$\frac{46}{51}$	100,004	$\frac{6,708}{8,323}$	980	$\frac{3,460}{8,323}$	99,995	$\frac{8,085}{41,617}$	980	$\frac{15,340}{41,617}$
404	10,100,247	$\frac{53}{101}$	10,099,752	$\frac{48}{101}$	100,004	$\frac{36,788}{40,803}$	990	$\frac{5,039}{40,803}$	99,995	$\frac{805}{8,161}$	990	$\frac{610}{8,161}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
			Basis				Perpendicularum				Hypotenusa	

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											37	
SERIES I.				SERIES II.				SERIES III.				
999	$\frac{39,001}{40,001}$	99,995	$\frac{5}{40,001}$	1,000	$\frac{1,000}{39,999}$	100,005	$\frac{5}{39,999}$	9,999,750		10,000,250	400	
1,004	$\frac{19,796}{19,801}$	99,994	$\frac{18,806}{19,801}$	1,005	$\frac{5}{99}$	100,005	$\frac{5}{99}$	9,949,748	$\frac{148}{199}$	9,950,251	$\frac{51}{199}$ 398	
1,010	$\frac{590}{7,841}$	99,994	$\frac{7,046}{7,841}$	1,010	$\frac{4,970}{39,203}$	100,005	$\frac{3,985}{39,203}$	9,899,747	$\frac{47}{99}$	9,900,252	$\frac{52}{99}$ 396	
1,015	$\frac{785}{3,881}$	99,994	$\frac{3,286}{3,881}$	1,015	$\frac{1,235}{4,851}$	100,005	$\frac{745}{4,851}$	9,849,746	$\frac{38}{197}$	9,850,253	$\frac{159}{197}$ 394	
1,020	$\frac{14,660}{38,417}$	99,994	$\frac{30,502}{38,417}$	1,020	$\frac{3,340}{7,683}$	100,005	$\frac{1,585}{7,683}$	9,799,744	$\frac{44}{49}$	9,800,255	$\frac{5}{49}$ 392	
1,025	$\frac{11,675}{19,013}$	99,994	$\frac{14,078}{19,013}$	1,025	$\frac{3,175}{4,753}$	100,005	$\frac{1,235}{4,753}$	9,749,743	$\frac{23}{39}$	9,750,256	$\frac{16}{39}$ 390	
1,030	$\frac{33,890}{37,637}$	99,994	$\frac{25,822}{37,637}$	1,030	$\frac{7,190}{7,527}$	100,005	$\frac{2,365}{7,527}$	9,699,742	$\frac{26}{97}$	9,700,257	$\frac{71}{97}$ 388	
1,036	$\frac{36}{149}$	99,994	$\frac{94}{149}$	1,036	$\frac{173}{582}$	100,005	$\frac{215}{582}$	9,649,740	$\frac{180}{193}$	9,650,259	$\frac{13}{193}$ 386	
1,041	$\frac{4,707}{7,373}$	99,994	$\frac{4,238}{7,373}$	1,041	$\frac{25,617}{36,863}$	100,005	$\frac{15,685}{36,863}$	9,599,739	$\frac{7}{12}$	9,600,260	$\frac{5}{12}$ 384	
1,047	$\frac{1,673}{18,241}$	99,994	$\frac{9,446}{18,241}$	1,047	$\frac{17}{114}$	100,005	$\frac{55}{114}$	9,549,738	$\frac{42}{191}$	9,550,261	$\frac{140}{191}$ 382	
1,052	$\frac{21,748}{36,101}$	99,994	$\frac{16,606}{36,101}$	1,052	$\frac{23,852}{36,099}$	100,005	$\frac{19,505}{36,099}$	9,499,736	$\frac{16}{19}$	9,500,263	$\frac{3}{19}$ 380	
1,058	$\frac{3,062}{17,861}$	99,994	$\frac{7,166}{17,861}$	1,058	$\frac{206}{893}$	100,005	$\frac{535}{893}$	9,449,735	$\frac{85}{189}$	9,450,264	$\frac{104}{189}$ 378	
1,063	$\frac{5,653}{7,069}$	99,994	$\frac{2,414}{7,069}$	1,063	$\frac{30,391}{35,343}$	100,005	$\frac{23,285}{35,343}$	9,399,734	$\frac{2}{47}$	9,400,265	$\frac{45}{47}$ 376	
1,069	$\frac{1,707}{3,497}$	99,994	$\frac{982}{3,497}$	1,069	$\frac{2,401}{4,371}$	100,005	$\frac{3,145}{4,371}$	9,349,732	$\frac{116}{187}$	9,350,267	$\frac{71}{187}$ 374	
1,075	$\frac{8,225}{34,597}$	99,994	$\frac{7,582}{34,597}$	1,075	$\frac{2,075}{6,919}$	100,005	$\frac{5,405}{6,919}$	9,299,731	$\frac{17}{93}$	9,300,268	$\frac{76}{93}$ 372	
1,081	$\frac{847}{17,113}$	99,994	$\frac{2,678}{17,113}$	1,081	$\frac{241}{2,139}$	100,005	$\frac{1,805}{2,139}$	9,249,729	$\frac{27}{37}$	9,250,270	$\frac{10}{37}$ 370	
1,086	$\frac{31,298}{33,857}$	99,994	$\frac{3,142}{33,857}$	1,086	$\frac{6,694}{6,771}$	100,005	$\frac{6,145}{6,771}$	9,199,728	$\frac{6}{23}$	9,200,271	$\frac{17}{23}$ 368	
1,092	$\frac{2,892}{3,349}$	99,994	$\frac{94}{3,349}$	1,092	$\frac{1,944}{2,093}$	100,005	$\frac{2,035}{2,093}$	9,149,726	$\frac{142}{183}$	9,150,273	$\frac{41}{183}$ 366	
1,098	$\frac{46}{53}$	99,993	$\frac{51}{53}$	1,098	$\frac{30,946}{33,123}$	100,006	$\frac{1,262}{33,123}$	9,099,725	$\frac{25}{91}$	9,100,274	$\frac{66}{91}$ 364	
1,104	$\frac{15,376}{16,381}$	99,993	$\frac{14,667}{16,381}$	1,105	$\frac{5}{819}$	100,006	$\frac{86}{819}$	9,049,723	$\frac{137}{181}$	9,050,276	$\frac{44}{181}$ 362	
1,111	$\frac{2,489}{32,401}$	99,993	$\frac{26,807}{32,401}$	1,111	$\frac{4,711}{32,399}$	100,006	$\frac{5,606}{32,399}$	8,999,722	$\frac{2}{9}$	9,000,277	$\frac{7}{9}$ 360	
1,117	$\frac{4,543}{16,021}$	99,993	$\frac{12,147}{16,021}$	1,117	$\frac{283}{801}$	100,006	$\frac{194}{801}$	8,949,720	$\frac{120}{179}$	8,950,279	$\frac{59}{179}$ 358	
1,123	$\frac{3,549}{6,337}$	99,993	$\frac{4,359}{6,337}$	1,123	$\frac{19,991}{31,683}$	100,006	$\frac{9,902}{31,683}$	8,899,719	$\frac{9}{89}$	8,900,280	$\frac{80}{89}$ 356	
1,129	$\frac{2,843}{3,133}$	99,993	$\frac{1,931}{3,133}$	1,129	$\frac{959}{979}$	100,006	$\frac{376}{979}$	8,849,717	$\frac{91}{177}$	8,850,282	$\frac{86}{177}$ 354	
1,136	$\frac{10,128}{30,977}$	99,993	$\frac{16,839}{30,977}$	1,136	$\frac{496}{1,239}$	100,006	$\frac{566}{1,239}$	8,799,715	$\frac{10}{11}$	8,800,284	$\frac{1}{11}$ 352	
1,142	$\frac{12,554}{15,313}$	99,993	$\frac{7,191}{15,313}$	1,142	$\frac{856}{957}$	100,006	$\frac{508}{957}$	8,749,714	$\frac{2}{7}$	8,750,285	$\frac{5}{7}$ 350	
1,149	$\frac{11,727}{30,277}$	99,993	$\frac{11,939}{30,277}$	1,149	$\frac{561}{1,211}$	100,006	$\frac{734}{1,211}$	8,699,712	$\frac{56}{87}$	8,700,287	$\frac{31}{87}$ 348	
1,156	$\frac{92}{2,993}$	99,993	$\frac{951}{2,993}$	1,156	$\frac{404}{3,741}$	100,006	$\frac{2,554}{3,741}$	8,649,710	$\frac{170}{173}$	8,650,289	$\frac{3}{173}$ 346	
1,162	$\frac{4,446}{5,917}$	99,993	$\frac{1,419}{5,917}$	1,162	$\frac{24,554}{29,583}$	100,006	$\frac{22,502}{29,583}$	8,599,709	$\frac{13}{43}$	8,600,290	$\frac{30}{43}$ 344	
1,169	$\frac{8,051}{14,621}$	99,993	$\frac{2,347}{14,621}$	1,169	$\frac{461}{731}$	100,006	$\frac{614}{731}$	8,549,707	$\frac{103}{171}$	8,550,292	$\frac{68}{171}$ 342	
1,176	$\frac{12,424}{28,901}$	99,993	$\frac{2,307}{28,901}$	1,176	$\frac{14,776}{28,899}$	100,006	$\frac{26,606}{28,899}$	8,499,705	$\frac{15}{17}$	8,500,294	$\frac{2}{17}$ 340	
1,183	$\frac{5,577}{14,281}$	99,992	$\frac{14,248}{14,281}$	1,183	$\frac{169}{357}$	100,007	$\frac{1}{357}$	8,449,704	$\frac{24}{169}$	8,450,295	$\frac{145}{169}$ 338	
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		Hypotenusa		100,000		Perpendicularum		100,000		Basis		

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

38 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
336	8,400,297	$\frac{13}{21}$	8,399,702	$\frac{8}{21}$	100,007	$\frac{2,439}{28,223}$	1,190	$\frac{14,630}{28,223}$	99,992	$\frac{1,032}{1,129}$	1,190	$\frac{490}{1,129}$
334	8,350,299	$\frac{67}{167}$	8,349,700	$\frac{100}{167}$	100,007	$\frac{299}{1,743}$	1,197	$\frac{1,129}{1,743}$	99,992	$\frac{2,312}{2,789}$	1,197	$\frac{1,567}{2,789}$
332	8,300,301	$\frac{17}{83}$	8,299,698	$\frac{66}{83}$	100,007	$\frac{1,423}{5,511}$	1,204	$\frac{4,756}{5,511}$	99,992	$\frac{20,456}{27,557}$	1,204	$\frac{21,372}{27,557}$
330	8,250,303	$\frac{1}{33}$	8,249,696	$\frac{32}{33}$	100,007	$\frac{1,179}{3,403}$	1,212	$\frac{564}{3,403}$	99,992	$\frac{8,904}{13,613}$	1,212	$\frac{1,044}{13,613}$
328	8,200,304	$\frac{36}{41}$	8,199,695	$\frac{5}{41}$	100,007	$\frac{2,347}{5,379}$	1,219	$\frac{2,999}{5,379}$	99,992	$\frac{15,176}{26,897}$	1,219	$\frac{12,557}{26,897}$
326	8,150,306	$\frac{122}{163}$	8,149,693	$\frac{41}{163}$	100,007	$\frac{1,753}{3,321}$	1,227	$\frac{133}{3,321}$	99,992	$\frac{1,256}{2,657}$	1,226	$\frac{2,518}{2,657}$
324	8,100,308	$\frac{52}{81}$	8,099,691	$\frac{29}{81}$	100,007	$\frac{16,299}{26,243}$	1,234	$\frac{16,138}{26,243}$	99,992	$\frac{1,992}{5,249}$	1,234	$\frac{2,734}{5,249}$
322	8,050,310	$\frac{90}{161}$	8,049,689	$\frac{71}{161}$	100,007	$\frac{58}{81}$	1,242	$\frac{23}{81}$	99,992	$\frac{3,688}{12,961}$	1,242	$\frac{2,438}{12,961}$
320	8,000,312	$\frac{1}{2}$	7,999,687	$\frac{1}{2}$	100,007	$\frac{20,807}{25,599}$	1,250	$\frac{1,250}{25,599}$	99,992	$\frac{4,808}{25,601}$	1,249	$\frac{24,351}{25,601}$
318	7,950,314	$\frac{74}{159}$	7,949,685	$\frac{85}{159}$	100,007	$\frac{72}{79}$	1,257	$\frac{72}{79}$	99,992	$\frac{1,128}{12,641}$	1,257	$\frac{10,263}{12,641}$
316	7,900,316	$\frac{36}{79}$	7,899,683	$\frac{43}{79}$	100,008	$\frac{296}{24,963}$	1,265	$\frac{21,805}{24,963}$	99,991	$\frac{4,937}{4,993}$	1,265	$\frac{3,855}{4,993}$
314	7,850,318	$\frac{74}{157}$	7,849,681	$\frac{83}{157}$	100,008	$\frac{352}{3,081}$	1,273	$\frac{2,887}{3,081}$	99,991	$\frac{437}{493}$	1,273	$\frac{411}{493}$
312	7,800,320	$\frac{20}{39}$	7,799,679	$\frac{19}{39}$	100,008	$\frac{1,064}{4,867}$	1,282	$\frac{506}{4,867}$	99,991	$\frac{19,033}{24,337}$	1,281	$\frac{24,303}{24,337}$
310	7,750,322	$\frac{18}{31}$	7,749,677	$\frac{13}{31}$	100,008	$\frac{976}{3,003}$	1,290	$\frac{1,130}{3,003}$	99,991	$\frac{8,117}{12,013}$	1,290	$\frac{3,230}{12,013}$
308	7,700,324	$\frac{52}{77}$	7,699,675	$\frac{25}{77}$	100,008	$\frac{2,056}{4,743}$	1,298	$\frac{3,586}{4,743}$	99,991	$\frac{13,453}{23,717}$	1,298	$\frac{15,334}{23,717}$
306	7,650,326	$\frac{122}{153}$	7,649,673	$\frac{31}{153}$	100,008	$\frac{796}{1,463}$	1,307	$\frac{359}{1,463}$	99,991	$\frac{1,069}{2,341}$	1,307	$\frac{313}{2,341}$
304	7,600,328	$\frac{18}{19}$	7,599,671	$\frac{1}{19}$	100,008	$\frac{15,176}{23,103}$	1,315	$\frac{19,555}{23,103}$	99,991	$\frac{1,589}{4,621}$	1,315	$\frac{3,385}{4,621}$
302	7,550,331	$\frac{19}{151}$	7,549,668	$\frac{132}{151}$	100,008	$\frac{44}{57}$	1,324	$\frac{32}{57}$	99,991	$\frac{2,609}{11,401}$	1,324	$\frac{5,076}{11,401}$
300	7,500,333	$\frac{1}{3}$	7,499,666	$\frac{2}{3}$	100,008	$\frac{20,008}{22,499}$	1,333	$\frac{8,833}{22,499}$	99,991	$\frac{2,509}{22,501}$	1,333	$\frac{6,167}{22,501}$
298	7,450,335	$\frac{85}{149}$	7,449,664	$\frac{64}{149}$	100,009	$\frac{1}{111}$	1,342	$\frac{38}{111}$	99,990	$\frac{11,010}{11,101}$	1,342	$\frac{2,458}{11,101}$
296	7,400,337	$\frac{31}{37}$	7,399,662	$\frac{6}{37}$	100,009	$\frac{2,873}{21,903}$	1,351	$\frac{9,047}{21,903}$	99,990	$\frac{3,810}{4,381}$	1,351	$\frac{1,269}{4,381}$
294	7,350,340	$\frac{20}{147}$	7,349,659	$\frac{127}{147}$	100,009	$\frac{691}{2,701}$	1,360	$\frac{1,640}{2,701}$	99,990	$\frac{1,610}{2,161}$	1,360	$\frac{1,040}{2,161}$
292	7,300,342	$\frac{34}{73}$	7,299,657	$\frac{39}{73}$	100,009	$\frac{1,633}{4,263}$	1,369	$\frac{3,953}{4,263}$	99,990	$\frac{13,170}{21,317}$	1,369	$\frac{17,027}{21,317}$
290	7,250,344	$\frac{24}{29}$	7,249,655	$\frac{5}{29}$	100,009	$\frac{337}{657}$	1,379	$\frac{247}{657}$	99,990	$\frac{5,130}{10,513}$	1,379	$\frac{2,573}{10,513}$
288	7,200,347	$\frac{2}{9}$	7,199,652	$\frac{7}{9}$	100,009	$\frac{2,677}{4,147}$	1,388	$\frac{3,964}{4,147}$	99,990	$\frac{7,370}{20,737}$	1,388	$\frac{17,044}{20,737}$
286	7,150,349	$\frac{93}{143}$	7,149,650	$\frac{50}{143}$	100,009	$\frac{499}{639}$	1,398	$\frac{428}{639}$	99,990	$\frac{90}{409}$	1,398	$\frac{218}{409}$
284	7,100,352	$\frac{8}{71}$	7,099,647	$\frac{63}{71}$	100,009	$\frac{18,533}{20,163}$	1,408	$\frac{10,496}{20,163}$	99,990	$\frac{330}{4,033}$	1,408	$\frac{1,536}{4,033}$
282	7,050,354	$\frac{86}{141}$	7,049,645	$\frac{55}{141}$	100,010	$\frac{30}{497}$	1,418	$\frac{254}{497}$	99,989	$\frac{9,351}{9,941}$	1,418	$\frac{3,662}{9,941}$
280	7,000,357	$\frac{1}{7}$	6,999,642	$\frac{6}{7}$	100,010	$\frac{4,010}{19,599}$	1,428	$\frac{12,628}{19,599}$	99,989	$\frac{15,611}{19,601}$	1,428	$\frac{9,772}{19,601}$
278	6,950,359	$\frac{99}{139}$	6,949,640	$\frac{40}{139}$	100,010	$\frac{170}{483}$	1,438	$\frac{446}{483}$	99,989	$\frac{6,271}{9,661}$	1,438	$\frac{7,482}{9,661}$
276	6,900,362	$\frac{22}{69}$	6,899,637	$\frac{47}{69}$	100,010	$\frac{9,570}{19,043}$	1,449	$\frac{6,693}{19,043}$	99,989	$\frac{1,899}{3,809}$	1,449	$\frac{759}{3,809}$
274	6,850,364	$\frac{132}{137}$	6,849,635	$\frac{5}{137}$	100,010	$\frac{770}{1,173}$	1,459	$\frac{1,093}{1,173}$	99,989	$\frac{647}{1,877}$	1,459	$\frac{1,457}{1,877}$
272	6,800,367	$\frac{11}{17}$	6,799,632	$\frac{6}{17}$	100,010	$\frac{3,010}{3,699}$	1,470	$\frac{2,470}{3,699}$	99,989	$\frac{3,467}{18,497}$	1,470	$\frac{9,410}{18,497}$
270	6,750,370	$\frac{10}{27}$	6,749,629	$\frac{17}{27}$	100,010	$\frac{1,110}{1,139}$	1,481	$\frac{641}{1,139}$	99,989	$\frac{243}{9,113}$	1,481	$\frac{3,647}{9,113}$
Numeri primi Baseos	<i>Hypotenusa</i>	<i>Perpendicularum</i>	100,000	<i>Basis</i>	<i>Hypotenusa</i>	<i>Perpendicularum</i>	<i>Basis</i>	100,000	<i>Perpendicularum</i>	<i>Hypotenusa</i>	<i>Basis</i>	100,000

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM										39		
SERIES I.			SERIES II.			SERIES III.						
1,492	$\frac{8,156}{17,957}$	99,988	$\frac{15,484}{17,957}$	1,492	$\frac{2,228}{3,591}$	100,011	$\frac{499}{3,591}$	6,699,626	$\frac{58}{67}$	6,700,373	$\frac{9}{67}$	268
1,503	$\frac{1,193}{1,769}$	99,988	$\frac{1,228}{1,769}$	1,503	$\frac{1,867}{2,211}$	100,011	$\frac{679}{2,211}$	6,649,624	$\frac{8}{133}$	6,650,375	$\frac{125}{133}$	266
1,515	$\frac{45}{697}$	99,988	$\frac{364}{697}$	1,515	$\frac{4,155}{17,423}$	100,011	$\frac{8,347}{17,423}$	6,599,621	$\frac{7}{33}$	6,600,378	$\frac{26}{33}$	264
1,526	$\frac{5,394}{8,581}$	99,988	$\frac{2,972}{8,581}$	1,526	$\frac{346}{429}$	100,011	$\frac{281}{429}$	6,549,618	$\frac{42}{131}$	6,550,381	$\frac{89}{131}$	262
1,538	$\frac{6,262}{16,901}$	99,988	$\frac{2,812}{16,901}$	1,538	$\frac{9,338}{16,899}$	100,011	$\frac{14,111}{16,899}$	6,499,615	$\frac{5}{13}$	6,500,384	$\frac{8}{13}$	260
1,550	$\frac{2,450}{8,321}$	99,987	$\frac{8,173}{8,321}$	1,550	$\frac{25}{52}$	100,012	$\frac{1}{52}$	6,449,612	$\frac{52}{129}$	6,450,387	$\frac{77}{129}$	258
1,562	$\frac{1,326}{3,277}$	99,987	$\frac{2,601}{3,277}$	1,562	$\frac{9,754}{16,383}$	100,012	$\frac{3,404}{16,383}$	6,399,609	$\frac{3}{8}$	6,400,390	$\frac{5}{8}$	256
1,574	$\frac{1,138}{1,613}$	99,987	$\frac{969}{1,613}$	1,574	$\frac{227}{252}$	100,012	$\frac{101}{252}$	6,349,606	$\frac{38}{127}$	6,350,393	$\frac{89}{127}$	254
1,587	$\frac{3,201}{15,877}$	99,987	$\frac{6,401}{15,877}$	1,587	$\frac{51}{127}$	100,012	$\frac{76}{127}$	6,299,603	$\frac{11}{63}$	6,300,396	$\frac{52}{63}$	252
1,599	$\frac{7,013}{7,813}$	99,987	$\frac{1,569}{7,813}$	1,600	$\frac{200}{1,953}$	100,012	$\frac{1,564}{1,953}$	6,249,600		6,250,400		250
1,612	$\frac{12,276}{15,377}$	99,986	$\frac{15,278}{15,377}$	1,613	$\frac{1}{123}$	100,013	$\frac{1}{123}$	6,199,596	$\frac{24}{31}$	6,200,403	$\frac{7}{31}$	248
1,625	$\frac{1,375}{1,543}$	99,986	$\frac{1,182}{1,543}$	1,626	$\frac{234}{1,891}$	100,013	$\frac{417}{1,891}$	6,149,593	$\frac{61}{123}$	6,150,406	$\frac{62}{123}$	246
1,639	$\frac{697}{2,977}$	99,986	$\frac{1,678}{2,977}$	1,639	$\frac{6,763}{14,883}$	100,013	$\frac{6,521}{14,883}$	6,099,590	$\frac{10}{61}$	6,100,409	$\frac{51}{61}$	244
1,652	$\frac{5,708}{7,321}$	99,986	$\frac{2,494}{7,321}$	1,653	$\frac{1}{183}$	100,013	$\frac{121}{183}$	6,049,586	$\frac{94}{121}$	6,050,413	$\frac{27}{121}$	242
1,666	$\frac{7,934}{14,401}$	99,986	$\frac{1,614}{14,401}$	1,666	$\frac{11,266}{14,399}$	100,013	$\frac{12,813}{14,399}$	5,999,583	$\frac{1}{3}$	6,000,416	$\frac{2}{3}$	240
1,680	$\frac{3,920}{7,081}$	99,985	$\frac{6,215}{7,081}$	1,680	$\frac{140}{177}$	100,014	$\frac{22}{177}$	5,949,579	$\frac{99}{119}$	5,950,420	$\frac{20}{119}$	238
1,694	$\frac{442}{557}$	99,985	$\frac{355}{557}$	1,695	$\frac{515}{13,923}$	100,014	$\frac{5,078}{13,923}$	5,899,576	$\frac{16}{59}$	5,900,423	$\frac{43}{59}$	236
1,709	$\frac{379}{1,369}$	99,985	$\frac{535}{1,369}$	1,709	$\frac{901}{1,711}$	100,014	$\frac{1,046}{1,711}$	5,849,572	$\frac{76}{117}$	5,850,427	$\frac{41}{117}$	234
1,724	$\frac{132}{13,457}$	99,985	$\frac{1,855}{13,457}$	1,724	$\frac{716}{2,691}$	100,014	$\frac{2,326}{2,691}$	5,799,568	$\frac{28}{29}$	5,800,431	$\frac{1}{29}$	232
1,738	$\frac{6,606}{6,613}$	99,984	$\frac{5,808}{6,613}$	1,739	$\frac{433}{1,653}$	100,015	$\frac{205}{1,653}$	5,749,565	$\frac{5}{23}$	5,750,434	$\frac{18}{23}$	230
1,754	$\frac{3,262}{12,997}$	99,984	$\frac{7,952}{12,997}$	1,754	$\frac{1,354}{2,599}$	100,015	$\frac{1,015}{2,599}$	5,699,561	$\frac{23}{57}$	5,700,438	$\frac{34}{57}$	228
1,769	$\frac{987}{1,277}$	99,984	$\frac{432}{1,277}$	1,770	$\frac{20}{399}$	100,015	$\frac{265}{399}$	5,649,557	$\frac{59}{113}$	5,650,442	$\frac{54}{113}$	226
1,785	$\frac{1,435}{2,509}$	99,984	$\frac{144}{2,509}$	1,785	$\frac{10,745}{12,543}$	100,015	$\frac{11,855}{12,543}$	5,599,553	$\frac{4}{7}$	5,600,446	$\frac{3}{7}$	224
1,801	$\frac{4,039}{6,161}$	99,983	$\frac{4,737}{6,161}$	1,801	$\frac{73}{77}$	100,016	$\frac{18}{77}$	5,549,549	$\frac{61}{111}$	5,550,450	$\frac{50}{111}$	222
1,818	$\frac{382}{12,101}$	99,983	$\frac{5,717}{12,101}$	1,818	$\frac{4,018}{12,099}$	100,016	$\frac{6,416}{12,099}$	5,499,545	$\frac{5}{11}$	5,500,454	$\frac{6}{11}$	220
1,834	$\frac{4,206}{5,941}$	99,983	$\frac{997}{5,941}$	1,835	$\frac{5}{297}$	100,016	$\frac{248}{297}$	5,449,541	$\frac{31}{109}$	5,450,458	$\frac{78}{109}$	218
1,851	$\frac{1,617}{2,333}$	99,982	$\frac{1,994}{2,333}$	1,852	$\frac{124}{11,663}$	100,017	$\frac{1,729}{11,663}$	5,399,537	$\frac{1}{27}$	5,400,462	$\frac{26}{27}$	216
1,868	$\frac{228}{229}$	99,982	$\frac{122}{229}$	1,869	$\frac{461}{1,431}$	100,017	$\frac{673}{1,431}$	5,349,532	$\frac{76}{107}$	5,350,467	$\frac{31}{107}$	214
1,886	$\frac{7,018}{11,237}$	99,982	$\frac{2,266}{11,237}$	1,886	$\frac{2,158}{2,247}$	100,017	$\frac{1,801}{2,247}$	5,299,528	$\frac{16}{53}$	5,300,471	$\frac{37}{53}$	212
1,904	$\frac{3,248}{5,543}$	99,981	$\frac{4,747}{5,543}$	1,904	$\frac{644}{689}$	100,018	$\frac{98}{689}$	5,249,523	$\frac{17}{21}$	5,250,476	$\frac{4}{21}$	210
1,922	$\frac{9,726}{10,817}$	99,981	$\frac{5,523}{10,817}$	1,923	$\frac{551}{2,163}$	100,018	$\frac{1,066}{2,163}$	5,199,519	$\frac{3}{13}$	5,200,480	$\frac{10}{13}$	208
1,941	$\frac{599}{1,061}$	99,981	$\frac{159}{1,061}$	1,941	$\frac{617}{663}$	100,018	$\frac{566}{663}$	5,149,514	$\frac{58}{103}$	5,150,485	$\frac{45}{103}$	206
1,960	$\frac{1,240}{2,081}$	99,980	$\frac{1,620}{2,081}$	1,960	$\frac{10,120}{10,403}$	100,019	$\frac{2,343}{10,403}$	5,099,509	$\frac{41}{51}$	5,100,490	$\frac{10}{51}$	204
1,980	$\frac{20}{5,101}$	99,980	$\frac{2,020}{5,101}$	1,980	$\frac{20}{51}$	100,019	$\frac{31}{51}$	5,049,504	$\frac{96}{101}$	5,050,495	$\frac{5}{101}$	202
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		100,000		100,000		100,000		100,000		100,000		
Hypotenusa		Perpendicularum		Perpendicularum		Basis		Basis		Hypotenusa		

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

40 CANONION TRIANGVLORVM												
SERIES III.			SERIES II.			SERIES I.						
200	5,000,500		4,999,500		100,020	$\frac{20}{9,999}$	2,000	$\frac{2,000}{9,999}$	99,980	$\frac{20}{10,001}$	1,999	$\frac{8,001}{10,001}$
199	4,975,502	$\frac{102}{199}$	4,974,497	$\frac{97}{199}$	100,020	$\frac{8,060}{39,597}$	2,010	$\frac{10,030}{39,597}$	99,979	$\frac{6,341}{7,921}$	2,009	$\frac{6,711}{7,921}$
198	4,950,505	$\frac{5}{99}$	4,949,494	$\frac{94}{99}$	100,020	$\frac{20}{49}$	2,020	$\frac{20}{49}$	99,979	$\frac{2,021}{4,901}$	2,019	$\frac{4,881}{4,901}$
197	4,925,507	$\frac{121}{197}$	4,924,492	$\frac{76}{197}$	100,020	$\frac{4,780}{7,761}$	2,030	$\frac{5,170}{7,761}$	99,979	$\frac{15,073}{38,813}$	2,030	$\frac{9,610}{38,813}$
196	4,900,510	$\frac{10}{49}$	4,899,489	$\frac{39}{49}$	100,020	$\frac{7,940}{9,603}$	2,041	$\frac{277}{9,603}$	99,979	$\frac{341}{1,921}$	2,040	$\frac{1,160}{1,921}$
195	4,875,512	$\frac{32}{39}$	4,874,487	$\frac{7}{39}$	100,021	$\frac{1,559}{38,021}$	2,051	$\frac{18,929}{38,021}$	99,978	$\frac{36,638}{38,029}$	2,051	$\frac{2,521}{38,029}$
194	4,850,515	$\frac{45}{97}$	4,849,484	$\frac{52}{97}$	100,021	$\frac{38}{147}$	2,062	$\frac{11}{147}$	99,978	$\frac{702}{941}$	2,061	$\frac{599}{941}$
193	4,825,518	$\frac{26}{193}$	4,824,481	$\frac{167}{193}$	100,021	$\frac{3,571}{7,449}$	2,072	$\frac{5,672}{7,449}$	99,978	$\frac{19,566}{37,253}$	2,072	$\frac{11,784}{37,253}$
192	4,800,520	$\frac{5}{6}$	4,799,479	$\frac{1}{6}$	100,021	$\frac{1,297}{1,843}$	2,083	$\frac{1,031}{1,843}$	99,978	$\frac{2,774}{9,217}$	2,083	$\frac{989}{9,217}$
191	4,775,523	$\frac{107}{191}$	4,774,476	$\frac{84}{191}$	100,021	$\frac{33,983}{36,477}$	2,094	$\frac{17,162}{36,477}$	99,978	$\frac{534}{7,297}$	2,094	$\frac{82}{7,297}$
190	4,750,526	$\frac{6}{19}$	4,749,473	$\frac{13}{19}$	100,022	$\frac{23}{141}$	2,105	$\frac{70}{141}$	99,977	$\frac{3,799}{4,513}$	2,105	$\frac{135}{4,513}$
189	4,725,529	$\frac{19}{189}$	4,724,470	$\frac{170}{189}$	100,022	$\frac{14,226}{35,717}$	2,116	$\frac{22,828}{35,717}$	99,977	$\frac{867}{1,429}$	2,116	$\frac{236}{1,429}$
188	4,700,531	$\frac{43}{47}$	4,699,468	$\frac{4}{47}$	100,022	$\frac{1,126}{1,767}$	2,127	$\frac{1,591}{1,767}$	99,977	$\frac{3,251}{8,837}$	2,127	$\frac{3,701}{8,837}$
187	4,675,534	$\frac{142}{187}$	4,674,465	$\frac{45}{187}$	100,022	$\frac{6,154}{6,993}$	2,139	$\frac{1,973}{6,993}$	99,977	$\frac{4,379}{34,973}$	2,138	$\frac{27,726}{34,973}$
186	4,650,537	$\frac{59}{93}$	4,649,462	$\frac{34}{93}$	100,023	$\frac{137}{1,081}$	2,150	$\frac{850}{1,081}$	99,976	$\frac{152}{173}$	2,150	$\frac{50}{173}$
185	4,625,540	$\frac{20}{37}$	4,624,459	$\frac{17}{37}$	100,023	$\frac{12,917}{34,221}$	2,162	$\frac{14,198}{34,221}$	99,976	$\frac{21,496}{34,229}$	2,161	$\frac{31,131}{34,229}$
184	4,600,543	$\frac{11}{23}$	4,599,456	$\frac{12}{23}$	100,023	$\frac{5,351}{8,463}$	2,174	$\frac{1,438}{8,463}$	99,976	$\frac{632}{1,693}$	2,173	$\frac{1,111}{1,693}$
183	4,575,546	$\frac{82}{183}$	4,574,453	$\frac{101}{183}$	100,023	$\frac{5,969}{6,697}$	2,186	$\frac{358}{6,697}$	99,976	$\frac{3,832}{33,493}$	2,185	$\frac{17,795}{33,493}$
182	4,550,549	$\frac{41}{91}$	4,549,450	$\frac{50}{91}$	100,024	$\frac{32}{207}$	2,198	$\frac{14}{207}$	99,975	$\frac{3,525}{4,141}$	2,197	$\frac{2,223}{4,141}$
181	4,525,552	$\frac{88}{181}$	4,524,447	$\frac{93}{181}$	100,024	$\frac{13,832}{32,757}$	2,210	$\frac{7,030}{32,757}$	99,975	$\frac{3,825}{6,553}$	2,209	$\frac{4,423}{6,553}$
180	4,500,555	$\frac{5}{9}$	4,499,444	$\frac{4}{9}$	100,024	$\frac{5,624}{8,099}$	2,222	$\frac{4,022}{8,099}$	99,975	$\frac{2,525}{8,101}$	2,221	$\frac{7,679}{8,101}$
179	4,475,558	$\frac{118}{179}$	4,474,441	$\frac{61}{179}$	100,024	$\frac{31,112}{32,037}$	2,234	$\frac{29,342}{32,037}$	99,975	$\frac{225}{6,409}$	2,234	$\frac{2,294}{6,409}$
178	4,450,561	$\frac{71}{89}$	4,449,438	$\frac{18}{89}$	100,025	$\frac{25}{99}$	2,247	$\frac{47}{99}$	99,974	$\frac{2,986}{3,961}$	2,246	$\frac{3,594}{3,961}$
177	4,425,564	$\frac{172}{177}$	4,424,435	$\frac{5}{177}$	100,025	$\frac{675}{1,253}$	2,260	$\frac{220}{1,253}$	99,974	$\frac{14,658}{31,333}$	2,259	$\frac{18,753}{31,333}$
176	4,400,568	$\frac{2}{11}$	4,399,431	$\frac{9}{11}$	100,025	$\frac{6,425}{7,743}$	2,273	$\frac{161}{7,743}$	99,974	$\frac{274}{1,549}$	2,272	$\frac{672}{1,549}$
175	4,375,571	$\frac{3}{7}$	4,374,428	$\frac{4}{7}$	100,026	$\frac{3,854}{30,621}$	2,286	$\frac{394}{30,621}$	99,973	$\frac{26,983}{39,629}$	2,285	$\frac{12,735}{39,629}$
174	4,350,574	$\frac{62}{87}$	4,349,425	$\frac{25}{87}$	100,026	$\frac{202}{473}$	2,299	$\frac{73}{473}$	99,973	$\frac{439}{757}$	2,298	$\frac{414}{757}$
173	4,325,578	$\frac{6}{173}$	4,324,421	$\frac{167}{173}$	100,026	$\frac{878}{1,197}$	2,312	$\frac{536}{1,197}$	99,973	$\frac{8,191}{29,933}$	2,311	$\frac{24,837}{29,933}$
172	4,300,581	$\frac{17}{43}$	4,299,418	$\frac{26}{43}$	100,027	$\frac{67}{1,479}$	2,325	$\frac{1,325}{1,479}$	99,972	$\frac{7,116}{7,397}$	2,325	$\frac{1,975}{7,397}$
171	4,275,584	$\frac{136}{171}$	4,274,415	$\frac{35}{171}$	100,027	$\frac{10,601}{29,237}$	2,339	$\frac{14,657}{29,237}$	99,972	$\frac{3,772}{5,849}$	2,338	$\frac{5,038}{5,849}$
170	4,250,588	$\frac{4}{17}$	4,249,411	$\frac{13}{17}$	100,027	$\frac{619}{903}$	2,353	$\frac{241}{903}$	99,972	$\frac{1,164}{3,613}$	2,352	$\frac{2,224}{3,613}$
169	4,225,591	$\frac{121}{169}$	4,224,408	$\frac{48}{169}$	100,028	$\frac{404}{28,557}$	2,367	$\frac{5,581}{28,557}$	99,971	$\frac{5,677}{5,713}$	2,366	$\frac{3,042}{5,713}$
Numeri primi Baseos	<i>Hypotenusa</i>	<i>Perpendicularum</i>	100,000	<i>Basis</i>	<i>Hypotenusa</i>	100,000	<i>Basis</i>	<i>Perpendicularum</i>	100,000	<i>Basis</i>	<i>Perpendicularum</i>	100,000
			Basis			Perpendicularum			Hypotenusa			Hypotenusa

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											41	
SERIES I.			SERIES II.			SERIES III.						
2,380	$\frac{4,340}{7,057}$	99,971	$\frac{4,653}{7,057}$	2,381	$\frac{409}{1,411}$	100,028	$\frac{492}{1,411}$	4,199,404	$\frac{16}{21}$	4,200,595	$\frac{5}{21}$	168
2,394	$\frac{24,158}{27,893}$	99,971	$\frac{8,897}{27,893}$	2,395	$\frac{3,085}{5,577}$	100,028	$\frac{3,844}{5,577}$	4,174,401	$\frac{33}{167}$	4,175,598	$\frac{134}{167}$	167
2,409	$\frac{199}{689}$	99,970	$\frac{670}{689}$	2,409	$\frac{851}{861}$	100,029	$\frac{31}{861}$	4,149,397	$\frac{49}{83}$	4,150,602	$\frac{34}{83}$	166
2,423	$\frac{24,133}{27,229}$	99,970	$\frac{16,870}{27,229}$	2,424	$\frac{16,296}{27,221}$	100,029	$\frac{10,591}{27,221}$	4,124,393	$\frac{31}{33}$	4,125,606	$\frac{2}{33}$	165
2,438	$\frac{178}{269}$	99,970	$\frac{70}{269}$	2,439	$\frac{2,603}{6,723}$	100,029	$\frac{5,033}{6,723}$	4,099,390	$\frac{10}{41}$	4,100,609	$\frac{31}{41}$	164
2,453	$\frac{16,431}{26,573}$	99,969	$\frac{23,763}{26,573}$	2,454	$\frac{1,898}{5,313}$	100,030	$\frac{610}{5,313}$	4,074,386	$\frac{82}{163}$	4,075,613	$\frac{81}{163}$	163
2,468	$\frac{2,492}{3,281}$	99,969	$\frac{1,711}{3,281}$	2,469	$\frac{21}{41}$	100,030	$\frac{20}{41}$	4,049,382	$\frac{58}{81}$	4,050,617	$\frac{23}{81}$	162
2,484	$\frac{92}{1,037}$	99,969	$\frac{147}{1,037}$	2,484	$\frac{22,172}{25,917}$	100,030	$\frac{22,490}{25,917}$	4,024,378	$\frac{142}{161}$	4,025,621	$\frac{19}{161}$	161
2,499	$\frac{3,901}{6,401}$	99,968	$\frac{4,832}{6,401}$	2,500	$\frac{2,500}{6,399}$	100,031	$\frac{1,631}{6,399}$	3,999,375		4,000,625		160
2,515	$\frac{1,645}{5,057}$	99,968	$\frac{1,824}{5,057}$	2,516	$\frac{3,068}{25,277}$	100,031	$\frac{16,413}{25,277}$	3,974,371	$\frac{11}{159}$	3,975,628	$\frac{148}{159}$	159
2,531	$\frac{749}{3,121}$	99,967	$\frac{2,993}{3,121}$	2,532	$\frac{2}{39}$	100,032	$\frac{2}{39}$	3,949,367	$\frac{7}{79}$	3,950,632	$\frac{72}{79}$	158
2,547	$\frac{8,809}{24,653}$	99,967	$\frac{13,549}{24,653}$	2,548	$\frac{908}{4,929}$	100,032	$\frac{2,272}{4,929}$	3,924,363	$\frac{9}{157}$	3,925,636	$\frac{148}{157}$	157
2,563	$\frac{829}{1,217}$	99,967	$\frac{161}{1,217}$	2,564	$\frac{3,188}{6,083}$	100,032	$\frac{5,344}{6,083}$	3,899,358	$\frac{38}{39}$	3,900,641	$\frac{1}{39}$	156
2,580	$\frac{5,180}{24,029}$	99,966	$\frac{16,986}{24,029}$	2,581	$\frac{1,799}{24,021}$	100,033	$\frac{7,307}{24,021}$	3,874,354	$\frac{26}{31}$	3,875,645	$\frac{5}{31}$	155
2,596	$\frac{572}{593}$	99,966	$\frac{162}{593}$	2,597	$\frac{623}{741}$	100,033	$\frac{547}{741}$	3,849,350	$\frac{59}{77}$	3,850,649	$\frac{27}{77}$	154
2,613	$\frac{21,831}{23,413}$	99,965	$\frac{19,455}{23,413}$	2,614	$\frac{3,866}{4,681}$	100,034	$\frac{846}{4,681}$	3,824,346	$\frac{62}{153}$	3,825,653	$\frac{91}{153}$	153
2,631	$\frac{713}{5,777}$	99,965	$\frac{2,195}{5,777}$	2,632	$\frac{8}{231}$	100,034	$\frac{146}{231}$	3,799,342	$\frac{2}{19}$	3,800,657	$\frac{17}{19}$	152
2,648	$\frac{2,472}{4,561}$	99,964	$\frac{4,196}{4,561}$	2,649	$\frac{10,747}{22,797}$	100,035	$\frac{2,105}{22,797}$	3,774,337	$\frac{113}{151}$	3,775,662	$\frac{38}{151}$	151
2,666	$\frac{542}{2,813}$	99,964	$\frac{1,268}{2,813}$	2,667	$\frac{99}{703}$	100,035	$\frac{395}{703}$	3,749,333	$\frac{1}{3}$	3,750,666	$\frac{2}{3}$	150
2,684	$\frac{356}{4,441}$	99,963	$\frac{4,317}{4,441}$	2,685	$\frac{1,055}{22,197}$	100,036	$\frac{908}{22,197}$	3,724,328	$\frac{128}{149}$	3,725,671	$\frac{21}{149}$	149
2,702	$\frac{1,146}{5,477}$	99,963	$\frac{2,649}{5,477}$	2,703	$\frac{43}{219}$	100,036	$\frac{116}{219}$	3,699,324	$\frac{12}{37}$	3,700,675	$\frac{25}{37}$	148
2,720	$\frac{12,640}{21,613}$	99,962	$\frac{21,294}{21,613}$	2,721	$\frac{2,559}{4,321}$	100,037	$\frac{123}{4,321}$	3,674,319	$\frac{107}{147}$	3,675,680	$\frac{40}{147}$	147
2,739	$\frac{113}{533}$	99,962	$\frac{254}{533}$	2,740	$\frac{80}{333}$	100,037	$\frac{179}{333}$	3,649,315	$\frac{5}{73}$	3,650,684	$\frac{68}{73}$	146
2,758	$\frac{2,018}{21,029}$	99,961	$\frac{20,131}{21,029}$	2,759	$\frac{3,061}{21,021}$	100,038	$\frac{1,202}{21,021}$	3,624,310	$\frac{10}{29}$	3,625,689	$\frac{19}{29}$	145
2,777	$\frac{251}{1,037}$	99,961	$\frac{443}{1,037}$	2,778	$\frac{1,626}{5,183}$	100,038	$\frac{3,046}{5,183}$	3,599,305	$\frac{5}{9}$	3,600,694	$\frac{4}{9}$	144
2,796	$\frac{13,412}{20,453}$	99,960	$\frac{18,120}{20,453}$	2,797	$\frac{3,067}{4,089}$	100,039	$\frac{529}{4,089}$	3,574,300	$\frac{100}{143}$	3,575,699	$\frac{43}{143}$	143
2,816	$\frac{864}{2,521}$	99,960	$\frac{840}{2,521}$	2,817	$\frac{29}{63}$	100,039	$\frac{43}{63}$	3,549,295	$\frac{55}{71}$	3,550,704	$\frac{16}{71}$	142
2,836	$\frac{1,228}{3,977}$	99,959	$\frac{3,957}{3,977}$	2,837	$\frac{8,951}{19,877}$	100,040	$\frac{4,920}{19,877}$	3,524,290	$\frac{110}{141}$	3,525,709	$\frac{31}{141}$	141
2,856	$\frac{2,744}{4,901}$	99,959	$\frac{941}{4,901}$	2,857	$\frac{3,557}{4,899}$	100,040	$\frac{4,040}{4,899}$	3,499,285	$\frac{5}{7}$	3,500,714	$\frac{2}{7}$	140
2,877	$\frac{79}{773}$	99,958	$\frac{466}{773}$	2,878	$\frac{5,674}{19,317}$	100,041	$\frac{8,003}{19,317}$	3,474,280	$\frac{80}{139}$	3,475,719	$\frac{59}{139}$	139
2,897	$\frac{2,243}{2,381}$	99,958	$\frac{2}{2,381}$	2,899	$\frac{19}{119}$	100,042	$\frac{2}{119}$	3,449,275	$\frac{25}{69}$	3,450,724	$\frac{44}{69}$	138
2,919	$\frac{1,613}{18,773}$	99,957	$\frac{7,239}{18,773}$	2,920	$\frac{1,240}{3,753}$	100,042	$\frac{2,374}{3,753}$	3,424,270	$\frac{10}{137}$	3,425,729	$\frac{127}{137}$	137
2,940	$\frac{20}{37}$	99,956	$\frac{28}{37}$	2,941	$\frac{3,757}{4,623}$	100,043	$\frac{1,211}{4,623}$	3,399,264	$\frac{12}{17}$	3,400,735	$\frac{5}{17}$	136
2,962	$\frac{5,702}{18,229}$	99,956	$\frac{2,076}{18,229}$	2,963	$\frac{11,177}{18,221}$	100,043	$\frac{16,497}{18,221}$	3,374,259	$\frac{7}{27}$	3,375,740	$\frac{20}{27}$	135
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000 Hypotenusa				100,000 Perpendicularum				100,000 Basis				

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

42 CANONION TRIANGVLORVM												
SERIES III.				SERIES II.				SERIES I.				
134	3,350,746	$\frac{18}{67}$	3,349,253	$\frac{49}{67}$	100,044	$\frac{316}{561}$	2,985	$\frac{415}{561}$	99,955	$\frac{205}{449}$	2,984	$\frac{184}{449}$
133	3,325,751	$\frac{117}{133}$	3,324,248	$\frac{16}{133}$	100,045	$\frac{835}{3,537}$	3,008	$\frac{704}{3,537}$	99,954	$\frac{13,878}{17,693}$	3,006	$\frac{14,842}{17,693}$
132	3,300,757	$\frac{19}{33}$	3,299,242	$\frac{14}{33}$	100,045	$\frac{805}{871}$	3,030	$\frac{870}{871}$	99,954	$\frac{422}{4,357}$	3,029	$\frac{2,647}{4,357}$
131	3,275,763	$\frac{47}{131}$	3,274,236	$\frac{84}{131}$	100,046	$\frac{10,778}{17,157}$	3,054	$\frac{2,522}{17,157}$	99,953	$\frac{1,351}{3,433}$	3,052	$\frac{2,484}{3,433}$
130	3,250,769	$\frac{3}{13}$	3,249,230	$\frac{10}{13}$	100,047	$\frac{23}{66}$	3,077	$\frac{43}{66}$	99,952	$\frac{1,424}{2,113}$	3,076	$\frac{412}{2,113}$
129	3,225,775	$\frac{25}{129}$	3,224,224	$\frac{104}{129}$	100,048	$\frac{1,424}{16,637}$	3,101	$\frac{8,663}{16,637}$	99,951	$\frac{3,121}{3,329}$	3,100	$\frac{100}{3,329}$
128	3,200,781	$\frac{1}{4}$	3,199,218	$\frac{3}{4}$	100,048	$\frac{688}{819}$	3,125	$\frac{625}{819}$	99,951	$\frac{753}{4,097}$	3,124	$\frac{972}{4,097}$
127	3,175,787	$\frac{51}{127}$	3,174,212	$\frac{76}{127}$	100,049	$\frac{79}{129}$	3,150	$\frac{50}{129}$	99,950	$\frac{6,650}{16,133}$	3,148	$\frac{13,316}{16,133}$
126	3,150,793	$\frac{41}{63}$	3,149,206	$\frac{22}{63}$	100,050	$\frac{25}{62}$	3,175	$\frac{25}{62}$	99,949	$\frac{247}{397}$	3,173	$\frac{319}{397}$
125	3,125,800		3,124,200		100,051	$\frac{3,329}{15,621}$	3,200	$\frac{12,800}{15,621}$	99,948	$\frac{12,708}{15,629}$	3,199	$\frac{2,829}{15,629}$
124	3,100,806	$\frac{14}{31}$	3,099,193	$\frac{17}{31}$	100,052	$\frac{164}{3,843}$	3,226	$\frac{2,482}{3,843}$	99,947	$\frac{757}{769}$	3,224	$\frac{744}{769}$
123	3,075,813	$\frac{1}{123}$	3,074,186	$\frac{122}{123}$	100,052	$\frac{108}{121}$	3,252	$\frac{108}{121}$	99,947	$\frac{2,049}{15,133}$	3,251	$\frac{2,617}{15,133}$
122	3,050,819	$\frac{41}{61}$	3,049,180	$\frac{20}{61}$	100,053	$\frac{71}{93}$	3,279	$\frac{53}{93}$	99,946	$\frac{494}{1,861}$	3,277	$\frac{1,503}{1,861}$
121	3,025,826	$\frac{54}{121}$	3,024,173	$\frac{67}{121}$	100,054	$\frac{9,602}{14,637}$	3,306	$\frac{10,078}{14,637}$	99,945	$\frac{1,095}{2,929}$	3,304	$\frac{2,584}{2,929}$
120	3,000,833	$\frac{1}{3}$	2,999,166	$\frac{2}{3}$	100,055	$\frac{2,055}{3,599}$	3,334	$\frac{934}{3,599}$	99,944	$\frac{1,656}{3,601}$	3,332	$\frac{1,468}{3,601}$
119	2,975,840	$\frac{40}{119}$	2,974,159	$\frac{79}{119}$	100,056	$\frac{7,208}{14,157}$	3,362	$\frac{4,166}{14,157}$	99,943	$\frac{1,481}{2,833}$	3,360	$\frac{1,120}{2,833}$
118	2,950,847	$\frac{27}{59}$	2,949,152	$\frac{32}{59}$	100,057	$\frac{41}{87}$	3,390	$\frac{70}{87}$	99,942	$\frac{978}{1,741}$	3,388	$\frac{1,492}{1,741}$
117	2,925,854	$\frac{82}{117}$	2,924,145	$\frac{35}{117}$	100,058	$\frac{1,254}{2,737}$	3,419	$\frac{2,197}{2,737}$	99,941	$\frac{7,887}{13,693}$	3,417	$\frac{11,019}{13,693}$
116	2,900,862	$\frac{2}{29}$	2,899,137	$\frac{27}{29}$	100,059	$\frac{1,583}{3,363}$	3,449	$\frac{1,013}{3,363}$	99,940	$\frac{380}{673}$	3,447	$\frac{169}{673}$
115	2,875,869	$\frac{13}{23}$	2,874,130	$\frac{10}{23}$	100,060	$\frac{6,740}{13,221}$	3,479	$\frac{4,141}{13,221}$	99,939	$\frac{6,969}{13,229}$	3,477	$\frac{2,767}{13,229}$
114	2,850,877	$\frac{11}{57}$	2,849,122	$\frac{46}{57}$	100,061	$\frac{117}{203}$	3,509	$\frac{173}{203}$	99,938	$\frac{6}{13}$	3,507	$\frac{9}{13}$
113	2,825,884	$\frac{108}{113}$	2,824,115	$\frac{5}{113}$	100,062	$\frac{1,714}{2,553}$	3,540	$\frac{2,380}{2,553}$	99,937	$\frac{4,699}{12,773}$	3,538	$\frac{9,126}{12,773}$
112	2,800,892	$\frac{6}{7}$	2,799,107	$\frac{1}{7}$	100,063	$\frac{499}{627}$	3,572	$\frac{356}{627}$	99,936	$\frac{768}{3,137}$	3,570	$\frac{910}{3,137}$
111	2,775,900	$\frac{100}{111}$	2,774,099	$\frac{11}{111}$	100,064	$\frac{11,712}{12,317}$	3,604	$\frac{9,532}{12,317}$	99,935	$\frac{45}{493}$	3,602	$\frac{214}{493}$
110	2,750,909	$\frac{1}{11}$	2,749,090	$\frac{10}{11}$	100,066	$\frac{26}{189}$	3,637	$\frac{107}{189}$	99,933	$\frac{1,371}{1,513}$	3,635	$\frac{245}{1,513}$
109	2,725,917	$\frac{47}{109}$	2,724,082	$\frac{62}{109}$	100,067	$\frac{4,241}{11,877}$	3,670	$\frac{11,410}{11,877}$	99,932	$\frac{1,636}{2,377}$	3,668	$\frac{1,164}{2,377}$
108	2,700,925	$\frac{25}{27}$	2,699,074	$\frac{2}{27}$	100,068	$\frac{356}{583}$	3,704	$\frac{568}{583}$	99,931	$\frac{1,273}{2,917}$	3,702	$\frac{1,266}{2,917}$
107	2,675,934	$\frac{62}{107}$	2,674,065	$\frac{45}{107}$	100,069	$\frac{2,059}{2,289}$	3,739	$\frac{1,429}{2,289}$	99,930	$\frac{1,710}{11,453}$	3,737	$\frac{139}{11,453}$
106	2,650,943	$\frac{21}{53}$	2,649,056	$\frac{32}{53}$	100,071	$\frac{79}{351}$	3,774	$\frac{326}{351}$	99,928	$\frac{232}{281}$	3,772	$\frac{68}{281}$
105	2,625,952	$\frac{8}{21}$	2,624,047	$\frac{13}{21}$	100,072	$\frac{6,488}{11,021}$	3,810	$\frac{9,990}{11,021}$	99,927	$\frac{5,117}{11,029}$	3,808	$\frac{1,568}{11,029}$
104	2,600,961	$\frac{7}{13}$	2,599,038	$\frac{6}{13}$	100,073	$\frac{2,681}{2,703}$	3,847	$\frac{1,559}{2,703}$	99,926	$\frac{34}{541}$	3,844	$\frac{396}{541}$
103	2,575,970	$\frac{90}{103}$	2,574,029	$\frac{13}{103}$	100,075	$\frac{925}{2,121}$	3,884	$\frac{2,036}{2,121}$	99,924	$\frac{6,588}{10,613}$	3,882	$\frac{334}{10,613}$
102	2,550,980	$\frac{20}{51}$	2,549,019	$\frac{31}{51}$	100,076	$\frac{12}{13}$	3,923	$\frac{1}{13}$	99,923	$\frac{177}{1,301}$	3,920	$\frac{80}{1,301}$
101	2,525,990	$\frac{10}{101}$	2,524,009	$\frac{91}{101}$	100,078	$\frac{4,634}{10,197}$	3,961	$\frac{9,683}{10,197}$	99,921	$\frac{1,239}{2,041}$	3,958	$\frac{1,722}{2,041}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
			Basis		Perpendicularum				Hypotenusa			

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM											43
SERIES I.			SERIES II.				SERIES III.				
3,998	$\frac{1,002}{2,501}$	99,920	$\frac{80}{2,501}$	4,001	$\frac{1,501}{2,499}$	100,080	$\frac{80}{2,499}$	2,499,000	2,501,000	100	
4,038	$\frac{1,482}{1,961}$	99,918	$\frac{802}{1,961}$	4,042	$\frac{526}{9,797}$	100,081	$\frac{6,443}{9,797}$	2,473,989	$\frac{89}{99}$ 2,476,010	$\frac{10}{99}$ 99	
4,079	$\frac{1,121}{1,201}$	99,916	$\frac{884}{1,201}$	4,083	$\frac{1}{3}$	100,083	$\frac{1}{3}$	2,448,979	$\frac{29}{49}$ 2,451,020	$\frac{20}{49}$ 98	
4,121	$\frac{9,027}{9,413}$	99,915	$\frac{105}{9,413}$	4,125	$\frac{875}{1,881}$	100,085	$\frac{115}{1,881}$	2,423,969	$\frac{7}{97}$ 2,426,030	$\frac{90}{97}$ 97	
4,164	$\frac{396}{461}$	99,913	$\frac{107}{461}$	4,168	$\frac{1,096}{2,303}$	100,086	$\frac{1,942}{2,303}$	2,398,958	$\frac{1}{3}$ 2,401,041	$\frac{2}{3}$ 96	
4,208	$\frac{5,968}{9,029}$	99,911	$\frac{3,581}{9,029}$	4,212	$\frac{3,548}{9,021}$	100,088	$\frac{6,152}{9,021}$	2,373,947	$\frac{7}{19}$ 2,376,052	$\frac{12}{19}$ 95	
4,253	$\frac{87}{221}$	99,909	$\frac{111}{221}$	4,257	$\frac{17}{69}$	100,090	$\frac{40}{69}$	2,348,936	$\frac{8}{47}$ 2,351,063	$\frac{39}{47}$ 94	
4,299	$\frac{753}{8,653}$	99,907	$\frac{4,729}{8,653}$	4,303	$\frac{113}{1,729}$	100,092	$\frac{932}{1,729}$	2,323,924	$\frac{68}{93}$ 2,326,075	$\frac{25}{93}$ 93	
4,345	$\frac{1,635}{2,117}$	99,905	$\frac{1,115}{2,117}$	4,349	$\frac{373}{423}$	100,094	$\frac{238}{423}$	2,298,913	$\frac{1}{23}$ 2,301,086	$\frac{22}{23}$ 92	
4,393	$\frac{799}{1,657}$	99,903	$\frac{729}{1,657}$	4,397	$\frac{6,031}{8,277}$	100,096	$\frac{5,408}{8,277}$	2,273,901	$\frac{9}{91}$ 2,276,098	$\frac{82}{91}$ 91	
4,442	$\frac{254}{1,013}$	99,901	$\frac{287}{1,013}$	4,446	$\frac{162}{253}$	100,098	$\frac{206}{253}$	2,248,888	$\frac{8}{9}$ 2,251,111	$\frac{1}{9}$ 90	
4,492	$\frac{36}{317}$	99,899	$\frac{17}{317}$	4,496	$\frac{5,168}{7,917}$	100,101	$\frac{383}{7,917}$	2,223,876	$\frac{36}{89}$ 2,226,123	$\frac{53}{89}$ 89	
4,543	$\frac{209}{1,937}$	99,896	$\frac{1,448}{1,937}$	4,547	$\frac{311}{387}$	100,103	$\frac{139}{387}$	2,198,863	$\frac{7}{11}$ 2,201,136	$\frac{4}{11}$ 88	
4,595	$\frac{2,065}{7,573}$	99,894	$\frac{2,738}{7,573}$	4,600	$\frac{200}{1,513}$	100,105	$\frac{1,135}{1,513}$	2,173,850	$\frac{50}{87}$ 2,176,149	$\frac{37}{87}$ 87	
4,648	$\frac{24}{37}$	99,891	$\frac{33}{37}$	4,653	$\frac{157}{231}$	100,108	$\frac{52}{231}$	2,148,837	$\frac{9}{43}$ 2,151,162	$\frac{34}{43}$ 86	
4,703	$\frac{2,013}{7,229}$	99,889	$\frac{2,419}{7,229}$	4,708	$\frac{3,532}{7,221}$	100,110	$\frac{5,690}{7,221}$	2,123,823	$\frac{9}{17}$ 2,126,176	$\frac{8}{17}$ 85	
4,759	$\frac{73}{353}$	99,886	$\frac{242}{353}$	4,764	$\frac{1,068}{1,763}$	100,113	$\frac{781}{1,763}$	2,098,809	$\frac{11}{21}$ 2,101,190	$\frac{10}{21}$ 84	
4,816	$\frac{3,312}{6,893}$	99,883	$\frac{6,481}{6,893}$	4,822	$\frac{106}{1,377}$	100,116	$\frac{268}{1,377}$	2,073,795	$\frac{15}{83}$ 2,076,204	$\frac{68}{83}$ 83	
4,875	$\frac{125}{841}$	99,881	$\frac{79}{841}$	4,880	$\frac{20}{21}$	100,119	$\frac{1}{21}$	2,048,780	$\frac{20}{41}$ 2,051,219	$\frac{21}{41}$ 82	
4,935	$\frac{345}{1,313}$	99,878	$\frac{186}{1,313}$	4,941	$\frac{1,863}{6,557}$	100,122	$\frac{46}{6,557}$	2,023,765	$\frac{35}{81}$ 2,026,234	$\frac{46}{81}$ 81	
4,996	$\frac{1,404}{1,601}$	99,875	$\frac{125}{1,601}$	5,003	$\frac{203}{1,599}$	100,125	$\frac{125}{1,599}$	1,998,750	2,001,250	80	
5,060	$\frac{60}{1,249}$	99,871	$\frac{1,121}{1,249}$	5,066	$\frac{3,358}{6,237}$	100,128	$\frac{1,664}{6,237}$	1,973,734	$\frac{14}{79}$ 1,976,265	$\frac{65}{79}$ 79	
5,124	$\frac{636}{761}$	99,868	$\frac{452}{761}$	5,131	$\frac{11}{19}$	100,131	$\frac{11}{19}$	1,948,717	$\frac{37}{39}$ 1,951,282	$\frac{2}{39}$ 78	
5,191	$\frac{1,797}{5,933}$	99,865	$\frac{955}{5,933}$	5,198	$\frac{74}{237}$	100,135	$\frac{5}{237}$	1,923,701	$\frac{23}{77}$ 1,926,298	$\frac{54}{77}$ 77	
5,259	$\frac{149}{289}$	99,861	$\frac{171}{289}$	5,266	$\frac{1,162}{1,443}$	100,138	$\frac{866}{1,443}$	1,898,684	$\frac{4}{19}$ 1,901,315	$\frac{15}{19}$ 76	
5,329	$\frac{3,059}{5,629}$	99,857	$\frac{4,947}{5,629}$	5,337	$\frac{723}{5,621}$	100,142	$\frac{1,818}{5,621}$	1,873,666	$\frac{2}{3}$ 1,876,333	$\frac{1}{3}$ 75	
5,401	$\frac{63}{137}$	99,854	$\frac{2}{137}$	5,409	$\frac{61}{171}$	100,146	$\frac{34}{171}$	1,848,648	$\frac{24}{37}$ 1,851,351	$\frac{13}{37}$ 74	
5,475	$\frac{1,825}{5,333}$	99,849	$\frac{5,283}{5,333}$	5,483	$\frac{121}{213}$	100,150	$\frac{50}{213}$	1,823,630	$\frac{10}{73}$ 1,826,369	$\frac{63}{73}$ 73	
5,551	$\frac{353}{1,297}$	99,845	$\frac{1,035}{1,297}$	5,559	$\frac{219}{259}$	100,154	$\frac{114}{259}$	1,798,611	$\frac{1}{9}$ 1,801,388	$\frac{8}{9}$ 72	
5,629	$\frac{339}{1,009}$	99,841	$\frac{431}{1,009}$	5,638	$\frac{1,394}{5,037}$	100,158	$\frac{4,154}{5,037}$	1,773,591	$\frac{39}{71}$ 1,776,408	$\frac{32}{71}$ 71	
5,709	$\frac{383}{613}$	99,836	$\frac{532}{613}$	5,718	$\frac{146}{153}$	100,163	$\frac{61}{153}$	1,748,571	$\frac{3}{7}$ 1,751,428	$\frac{4}{7}$ 70	
5,792	$\frac{224}{953}$	99,832	$\frac{104}{953}$	5,801	$\frac{4,643}{4,757}$	100,168	$\frac{824}{4,757}$	1,723,550	$\frac{50}{69}$ 1,726,449	$\frac{19}{69}$ 69	
<i>Basis</i>	<i>Perpendicularum</i>			<i>Basis</i>	<i>Hypotenusa</i>			<i>Perpendicularum</i>	<i>Hypotenusa</i>	Numeri primi Baseos	
	100,000				100,000			100,000			
	Hypotenusa				Perpendicularum			Basis			

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

44 CANONION TRIANGVLORVM												
	SERIES III.				SERIES II.				SERIES I.			
68	1,701,470	$\frac{10}{17}$	1,698,529	$\frac{7}{17}$	100,173	$\frac{37}{231}$	5,887	$\frac{103}{231}$	99,827	$\frac{161}{1,157}$	5,877	$\frac{311}{1,157}$
67	1,676,492	$\frac{36}{67}$	1,673,507	$\frac{31}{67}$	100,178	$\frac{334}{897}$	5,975	$\frac{425}{897}$	99,821	$\frac{4247}{4,493}$	5,964	$\frac{3,748}{4,493}$
66	1,651,515	$\frac{5}{33}$	1,648,484	$\frac{28}{33}$	100,183	$\frac{14}{17}$	6,066	$\frac{3}{17}$	99,816	$\frac{56}{109}$	6,055	$\frac{5}{109}$
65	1,626,538	$\frac{6}{13}$	1,623,461	$\frac{7}{13}$	100,189	$\frac{2,231}{4,221}$	6,159	$\frac{2,861}{4,221}$	99,810	$\frac{3,510}{4,229}$	6,148	$\frac{108}{4,229}$
64	1,601,562	$\frac{1}{2}$	1,598,437	$\frac{1}{2}$	100,195	$\frac{515}{1,023}$	6,256	$\frac{112}{1,023}$	99,804	$\frac{36}{41}$	6,243	$\frac{37}{41}$
63	1,576,587	$\frac{19}{63}$	1,573,412	$\frac{44}{63}$	100,201	$\frac{607}{793}$	6,355	$\frac{485}{793}$	99,798	$\frac{2,546}{3,973}$	6,342	$\frac{3,234}{3,973}$
62	1,551,612	$\frac{28}{31}$	1,548,387	$\frac{3}{31}$	100,208	$\frac{1}{3}$	6,458	$\frac{1}{3}$	99,792	$\frac{48}{481}$	6,444	$\frac{436}{481}$
61	1,526,639	$\frac{21}{61}$	1,523,360	$\frac{40}{61}$	100,215	$\frac{845}{3,717}$	6,564	$\frac{1,612}{3,717}$	99,785	$\frac{35}{149}$	6,550	$\frac{50}{149}$
60	1,501,666	$\frac{2}{3}$	1,498,333	$\frac{1}{3}$	100,222	$\frac{422}{899}$	6,674	$\frac{74}{899}$	99,778	$\frac{22}{901}$	6,659	$\frac{241}{901}$
59	1,476,694	$\frac{54}{59}$	1,473,305	$\frac{5}{59}$	100,230	$\frac{290}{3,477}$	6,787	$\frac{1,601}{3,477}$	99,770	$\frac{310}{697}$	6,771	$\frac{613}{697}$
58	1,451,724	$\frac{4}{29}$	1,448,275	$\frac{25}{29}$	100,238	$\frac{2}{21}$	6,904	$\frac{16}{21}$	99,762	$\frac{198}{421}$	6,888	$\frac{152}{421}$
57	1,426,754	$\frac{22}{57}$	1,423,245	$\frac{35}{57}$	100,246	$\frac{346}{649}$	7,026	$\frac{126}{649}$	99,754	$\frac{238}{3,253}$	7,008	$\frac{2,976}{3,253}$
56	1,401,785	$\frac{5}{7}$	1,398,214	$\frac{2}{7}$	100,255	$\frac{335}{783}$	7,151	$\frac{767}{783}$	99,745	$\frac{35}{157}$	7,133	$\frac{119}{157}$
55	1,376,818	$\frac{2}{11}$	1,373,181	$\frac{9}{11}$	100,264	$\frac{2,456}{3,021}$	7,282	$\frac{1,078}{3,021}$	99,735	$\frac{2,685}{3,029}$	7,263	$\frac{373}{3,029}$
54	1,351,851	$\frac{23}{27}$	1,348,148	$\frac{4}{27}$	100,274	$\frac{66}{91}$	7,417	$\frac{53}{91}$	99,726	$\frac{2}{73}$	7,397	$\frac{19}{73}$
53	1,326,886	$\frac{42}{53}$	1,323,113	$\frac{11}{53}$	100,285	$\frac{115}{561}$	7,557	$\frac{523}{561}$	99,715	$\frac{1,705}{2,813}$	7,536	$\frac{1,232}{2,813}$
52	1,301,923	$\frac{1}{13}$	1,298,076	$\frac{12}{13}$	100,296	$\frac{8}{27}$	7,703	$\frac{19}{27}$	99,704	$\frac{392}{677}$	7,680	$\frac{640}{677}$
51	1,276,960	$\frac{40}{51}$	1,273,039	$\frac{11}{51}$	100,308	$\frac{124}{2,597}$	7,855	$\frac{565}{2,597}$	99,692	$\frac{468}{521}$	7,831	$\frac{49}{521}$
50	1,252,000		1,248,000		100,320	$\frac{20}{39}$	8,012	$\frac{32}{39}$	99,680	$\frac{160}{313}$	7,987	$\frac{69}{313}$
49	1,227,040	$\frac{40}{49}$	1,222,959	$\frac{9}{49}$	100,333	$\frac{1,799}{2,397}$	8,176	$\frac{2,128}{2,397}$	99,667	$\frac{173}{481}$	8,149	$\frac{331}{481}$
48	1,202,083	$\frac{1}{3}$	1,197,916	$\frac{2}{3}$	100,347	$\frac{19}{23}$	8,347	$\frac{19}{23}$	99,653	$\frac{219}{577}$	8,318	$\frac{514}{577}$
47	1,177,127	$\frac{31}{47}$	1,172,872	$\frac{16}{47}$	100,362	$\frac{358}{441}$	8,526	$\frac{34}{441}$	99,638	$\frac{1,106}{2,213}$	8,495	$\frac{565}{2,213}$
46	1,152,173	$\frac{21}{23}$	1,147,826	$\frac{2}{23}$	100,378	$\frac{26}{33}$	8,712	$\frac{4}{33}$	99,622	$\frac{34}{53}$	8,679	$\frac{13}{53}$
45	1,127,222	$\frac{2}{9}$	1,122,777	$\frac{7}{9}$	100,395	$\frac{1,705}{2,021}$	8,906	$\frac{974}{2,021}$	99,605	$\frac{1,455}{2,029}$	8,871	$\frac{741}{2,029}$
44	1,102,272	$\frac{8}{11}$	1,097,727	$\frac{3}{11}$	100,414	$\frac{38}{483}$	9,109	$\frac{353}{483}$	99,587	$\frac{61}{97}$	9,072	$\frac{16}{97}$
43	1,077,325	$\frac{25}{43}$	1,072,674	$\frac{18}{43}$	100,433	$\frac{223}{369}$	9,322	$\frac{182}{369}$	99,568	$\frac{406}{1,853}$	9,282	$\frac{454}{1,853}$
42	1,052,380	$\frac{20}{21}$	1,047,619	$\frac{1}{21}$	100,454	$\frac{6}{11}$	9,545	$\frac{5}{11}$	99,547	$\frac{113}{221}$	9,502	$\frac{58}{221}$
41	1,027,439	$\frac{1}{41}$	1,022,560	$\frac{40}{41}$	100,477	$\frac{71}{1,677}$	9,779	$\frac{617}{1,677}$	99,525	$\frac{75}{337}$	9,732	$\frac{316}{337}$
40	1,002,500		997,500		100,501	$\frac{101}{399}$	10,025	$\frac{25}{399}$	99,501	$\frac{99}{401}$	9,975	$\frac{25}{401}$
39	977,564	$\frac{4}{39}$	972,435	$\frac{35}{39}$	100,527	$\frac{541}{1,517}$	10,283	$\frac{689}{1,517}$	99,475	$\frac{25}{61}$	10,229	$\frac{31}{61}$
38	952,631	$\frac{11}{19}$	947,368	$\frac{8}{19}$	100,555	$\frac{5}{9}$	10,555	$\frac{5}{9}$	99,447	$\frac{93}{181}$	10,497	$\frac{43}{181}$
37	927,702	$\frac{26}{37}$	922,297	$\frac{11}{37}$	100,586	$\frac{22}{273}$	10,842	$\frac{134}{273}$	99,417	$\frac{459}{1,373}$	10,779	$\frac{433}{1,373}$
36	902,777	$\frac{7}{9}$	897,222	$\frac{2}{9}$	100,619	$\frac{63}{323}$	11,145	$\frac{165}{323}$	99,384	$\frac{8}{13}$	11,076	$\frac{12}{13}$
35	877,857	$\frac{1}{7}$	872,142	$\frac{6}{7}$	100,655	$\frac{245}{1,221}$	11,466	$\frac{14}{1,221}$	99,349	$\frac{79}{1,229}$	11,391	$\frac{461}{1,229}$
Numeri primi Baseos	<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>	
	100,000		100,000		100,000		100,000		100,000		100,000	
			Basis				Perpendicularum				Hypotenusa	

Viète's *Canon mathematicus* : *Canonion triangulorum* (1579) (reconstruction, D. Roegel, 2011)

LATERVM RATIONALIVM												45
SERIES I.				SERIES II.				SERIES III.				
11,724	$\frac{4}{29}$	99,310	$\frac{10}{29}$	11,805	$\frac{5}{9}$	100,694	$\frac{4}{9}$	847,058	$\frac{14}{17}$	852,941	$\frac{3}{17}$	34
12,076	$\frac{932}{1,093}$	99,268	$\frac{76}{1,093}$	12,165	$\frac{195}{217}$	100,737	$\frac{71}{217}$	821,969	$\frac{23}{33}$	828,030	$\frac{10}{33}$	33
12,451	$\frac{93}{257}$	99,221	$\frac{203}{257}$	12,549	$\frac{1}{51}$	100,784	$\frac{16}{51}$	796,875		803,125		32
12,849	$\frac{143}{193}$	99,170	$\frac{190}{193}$	12,957	$\frac{151}{957}$	100,835	$\frac{905}{957}$	771,774	$\frac{6}{31}$	778,225	$\frac{25}{31}$	31
13,274	$\frac{38}{113}$	99,115	$\frac{5}{113}$	13,392	$\frac{6}{7}$	100,892	$\frac{6}{7}$	746,666	$\frac{2}{3}$	753,333	$\frac{1}{3}$	30
13,727	$\frac{137}{169}$	99,053	$\frac{43}{169}$	13,859	$\frac{17}{837}$	100,955	$\frac{665}{837}$	721,551	$\frac{21}{29}$	728,448	$\frac{8}{29}$	29
14,213	$\frac{39}{197}$	98,984	$\frac{152}{197}$	14,358	$\frac{38}{39}$	101,025	$\frac{25}{39}$	696,428	$\frac{4}{7}$	703,571	$\frac{3}{7}$	28
14,733	$\frac{711}{733}$	98,908	$\frac{436}{733}$	14,896	$\frac{16}{29}$	101,103	$\frac{13}{29}$	671,296	$\frac{8}{27}$	678,703	$\frac{19}{27}$	27
15,294	$\frac{2}{17}$	98,823	$\frac{9}{17}$	15,476	$\frac{4}{21}$	101,190	$\frac{10}{21}$	646,153	$\frac{11}{13}$	653,846	$\frac{2}{13}$	26
15,898	$\frac{158}{629}$	98,728	$\frac{88}{629}$	16,103	$\frac{37}{621}$	101,288	$\frac{152}{621}$	621,000		629,000		25
16,551	$\frac{21}{29}$	98,620	$\frac{20}{29}$	16,783	$\frac{31}{143}$	101,398	$\frac{86}{143}$	595,833	$\frac{1}{3}$	604,166	$\frac{2}{3}$	24
17,260	$\frac{420}{533}$	98,499	$\frac{33}{533}$	17,523	$\frac{17}{21}$	101,523	$\frac{17}{21}$	570,652	$\frac{4}{23}$	579,347	$\frac{19}{23}$	23
18,032	$\frac{48}{61}$	98,360	$\frac{40}{61}$	18,333	$\frac{1}{3}$	101,666	$\frac{2}{3}$	545,454	$\frac{6}{11}$	554,545	$\frac{5}{11}$	22
18,876	$\frac{36}{89}$	98,202	$\frac{22}{89}$	19,221	$\frac{423}{437}$	101,830	$\frac{290}{437}$	520,238	$\frac{2}{21}$	529,761	$\frac{19}{21}$	21
19,801	$\frac{99}{101}$	98,019	$\frac{81}{101}$	20,202	$\frac{2}{99}$	102,020	$\frac{20}{99}$	495,000		505,000		20
20,821	$\frac{67}{73}$	97,808	$\frac{16}{73}$	21,288	$\frac{184}{357}$	102,240	$\frac{320}{357}$	469,736	$\frac{16}{19}$	480,263	$\frac{3}{19}$	19
21,951	$\frac{9}{41}$	97,560	$\frac{40}{41}$	22,500		102,500		444,444	$\frac{4}{9}$	455,555	$\frac{5}{9}$	18
23,208	$\frac{56}{293}$	97,269	$\frac{183}{293}$	23,859	$\frac{37}{57}$	102,807	$\frac{1}{57}$	419,117	$\frac{11}{17}$	430,882	$\frac{6}{17}$	17
24,615	$\frac{5}{13}$	96,923	$\frac{1}{13}$	25,396	$\frac{52}{63}$	103,174	$\frac{38}{63}$	393,750		406,250		16
26,200	$\frac{200}{229}$	96,506	$\frac{126}{229}$	27,149	$\frac{71}{221}$	103,619	$\frac{201}{221}$	368,333	$\frac{1}{3}$	381,666	$\frac{2}{3}$	15
28,000		96,000		29,166	$\frac{2}{3}$	104,166	$\frac{2}{3}$	342,857	$\frac{1}{7}$	357,142	$\frac{6}{7}$	14
30,957	$\frac{139}{173}$	95,375	$\frac{125}{173}$	31,515	$\frac{5}{33}$	104,848	$\frac{16}{33}$	317,307	$\frac{9}{13}$	332,692	$\frac{4}{13}$	13
32,432	$\frac{16}{37}$	94,594	$\frac{22}{37}$	34,285	$\frac{5}{7}$	105,714	$\frac{2}{7}$	291,666	$\frac{2}{3}$	308,333	$\frac{1}{3}$	12
35,200		93,600		37,606	$\frac{98}{117}$	106,837	$\frac{71}{117}$	265,909	$\frac{1}{11}$	284,090	$\frac{10}{11}$	11
38,461	$\frac{7}{13}$	92,307	$\frac{9}{13}$	41,666	$\frac{2}{3}$	108,333	$\frac{1}{3}$	240,000		260,000		10
42,352	$\frac{16}{17}$	90,588	$\frac{4}{17}$	46,753	$\frac{19}{77}$	110,389	$\frac{47}{77}$	213,888	$\frac{8}{9}$	236,111	$\frac{1}{9}$	9
47,058	$\frac{14}{17}$	88,235	$\frac{5}{17}$	53,333	$\frac{1}{3}$	113,333	$\frac{1}{3}$	187,500		212,500		8
52,830	$\frac{10}{53}$	84,905	$\frac{35}{53}$	62,222	$\frac{2}{9}$	117,777	$\frac{7}{9}$	160,714	$\frac{2}{7}$	189,285	$\frac{5}{7}$	7
60,000		80,000		75,000		125,000		133,333	$\frac{1}{3}$	166,666	$\frac{2}{3}$	6
68,965	$\frac{15}{29}$	72,413	$\frac{23}{29}$	95,238	$\frac{2}{21}$	138,095	$\frac{5}{21}$	105,000		145,000		5
80,000		60,000		133,333	$\frac{1}{3}$	166,666	$\frac{2}{3}$	75,000		125,000		4
92,307	$\frac{9}{13}$	38,461	$\frac{7}{13}$	240,000		260,000		41,666	$\frac{2}{3}$	108,333	$\frac{1}{3}$	3
100,000		♦		♦		♦		♦		100,000		2
♦		♦		♦		♦		♦		♦		1
<i>Basis</i>		<i>Perpendicularum</i>		<i>Basis</i>		<i>Hypotenusa</i>		<i>Perpendicularum</i>		<i>Hypotenusa</i>		Numeri primi Baseos
100,000		100,000		100,000		100,000		100,000		100,000		
Hypotenusa		Hypotenusa		Perpendicularum		Perpendicularum		Basis		Basis		