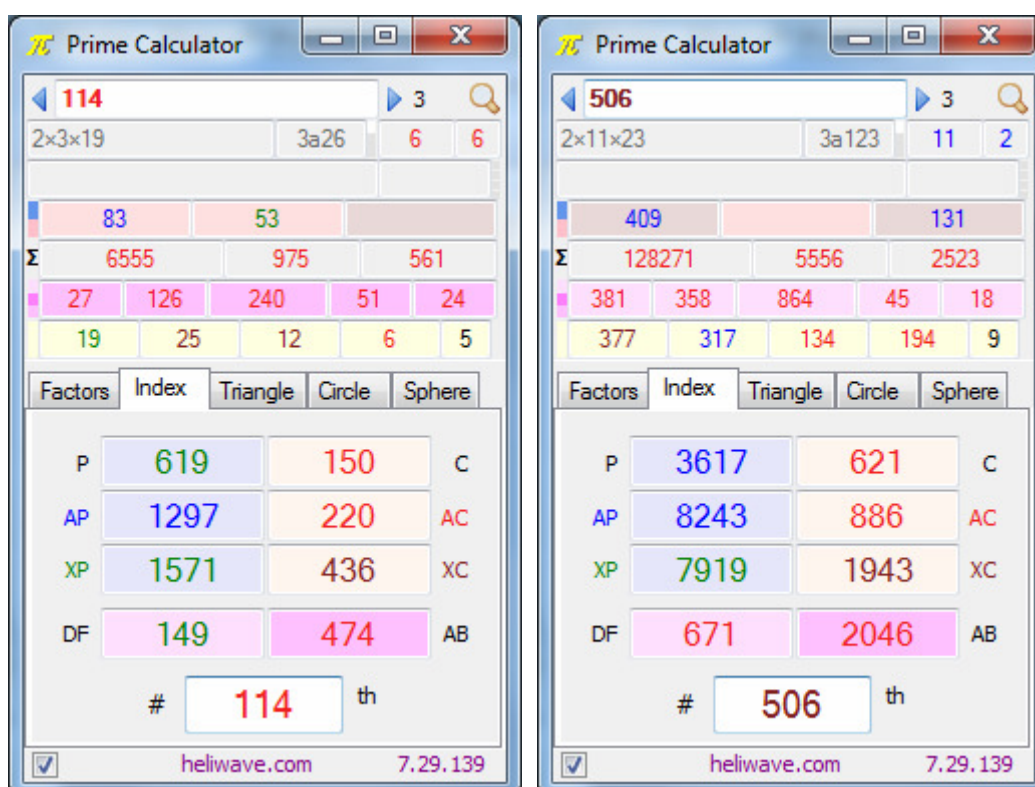


## Twin Numbers: 114 and 506

DEFINITIONS	The Unit	{U} = Whole number that is indivisible.
	Prime number	{P} = Whole number divisible by itself only.
	Additive Prime	{AP} = Prime with a prime digit sum.
	Non-additive Prime	{XP} = Prime with a non-prime digit sum.
	Composite number	{C} = Whole number divisible by itself and others.
	Additive Composite	{AC} = Composite with a composite digit sum.
	Non-additive Composite	{XC} = Composite with a non-composite digit sum.



PrimeCalculator is open-source software from <http://qurancode.com>

$$\begin{aligned}
 114 \div 2 &= 57 \\
 \text{median}(1..57) &= 29 \\
 57 \times 29 &= 1653 \\
 16^{\text{th}} \text{ prime} &= 53
 \end{aligned}$$

$$\begin{aligned}
 506 \div 2 &= 253 \\
 \text{median}(1..253) &= 127 \\
 253 \times 127 &= 32131 \\
 32^{\text{nd}} \text{ prime} &= 131
 \end{aligned}$$

$$P114 = 619 \quad 114 + 506 = 620 \quad C506 = 621$$

$$\begin{aligned}
 XC114 + AC114 - C114 &= 506 \\
 436 + 220 - 150 &= 506
 \end{aligned}$$

$$\begin{aligned}
 XC506 - AC506 - C506 &= XC114 \\
 1943 - 886 - 621 &= 436
 \end{aligned}$$

16	prime	numbers with prime	digit sums up to 114
53	composite	numbers with composite	digit sums up to 114
42	prime	numbers with non-prime	digit sums up to 506
131	composite	numbers with non-composite	digit sums up to 506

**16** prime numbers with prime digit sums up to **114**:

2, 3, 5, 7, 11, 23, 29, 41, 43, 47, 61, 67, 83, 89, 101, 113.

**53** composite numbers with composite digit sums up to **114**:

4, 6, 8, 9, 15, 18, 22, 24, 26, 27, 28, 33, 35, 36, 39, 40, 42, 44, 45, 46, 48, 51, 54, 55, 57, 60, 62, 63, 64, 66, 68, 69, 72, 75, 77, 78, 80, 81, 82, 84, 86, 87, 88, 90, 91, 93, 95, 96, 99, 105, 108, 112, 114.

**42** prime numbers with non-prime digit sums up to **506**:

13, 17, 19, 31, 37, 53, 59, 71, 73, 79, 97, 103, 107, 109, 127, 149, 163, 167, 181, 211, 233, 239, 251, 257, 271, 277, 293, 307, 347, 349, 367, 383, 389, 419, 431, 433, 439, 457, 479, 491, 499, 503.

**32** non-additive primes with a digit sum  $\neq 10$

**10** non-additive primes with a digit sum  $= 10$

$19 + 37 + 73 + 109 + 127 + 163 + 181 + 271 + 307 + 433 = 1720$

Sum of the first 31 prime numbers from 2 to 127 = 1720

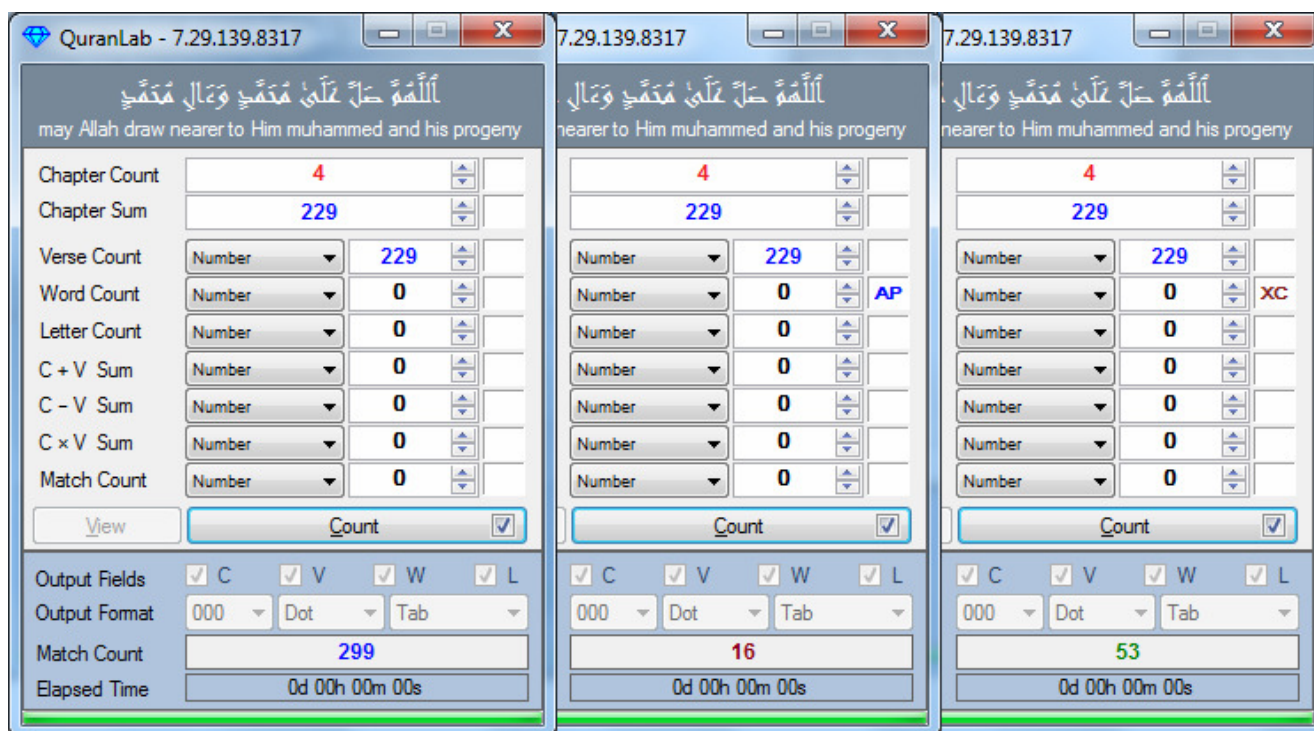
**131** composite numbers with non-composite digit sums up to **506**:

10, 12, 14, 16, 20, 21, 25, 30, 32, 34, 38, 49, 50, 52, 56, 58, 65, 70, 74, 76, 85, 92, 94, 98, 100, 102, 104, 106, 110, 111, 115, 119, 120, 122, 124, 128, 133, 140, 142, 146, 148, 155, 160, 164, 166, 175, 182, 184, 188, 200, 201, 203, 205, 209, 210, 212, 214, 218, 221, 230, 232, 236, 238, 245, 247, 250, 254, 256, 265, 272, 274, 278, 287, 289, 290, 292, 296, 298, 300, 302, 304, 308, 319, 320, 322, 326, 328, 335, 340, 344, 346, 355, 362, 364, 368, 371, 377, 380, 382, 386, 388, 391, 395, 403, 407, 410, 412, 416, 418, 425, 427, 430, 434, 436, 445, 452, 454, 458, 469, 470, 472, 476, 478, 481, 485, 490, 494, 496, 500, 502, 506.

The **number** of **4**-chapter groups in the Quran with chapter sum = **229** and verse count = **229** is **229**.

**16** **4**-chapter groups have an **additive prime** word sum and

**53** **4**-chapter groups have a **non-additive composite** word sum.



QuranLab is open-source software from <http://qurancode.com>

Outer Quran (القرآن العظيم) === **114** chapters with chapter #**57** = **29** Verses  
 Inner Quran (القرآن الكريم) =?= **506** chapters with chapter #**253** = **127** Verses

Inner Quran = قرآن كريم in Simplified29\_Alphabet\_Primes1 = **506**

Simplified29	
Chapters	Σ56 1
Verses	Σ77 1
Words	Σ5 2
Letters	Σ30 9
Alphabet_Primes1	
+ Value	506

Inner Quran = قرآن كريم in Simplified28\_Abjad\_Gematria = **621** = **C506**

Simplified28	
Chapters	Σ56 1
Verses	Σ77 1
Words	Σ5 2
Letters	Σ24 8
Abjad_Gematria	
+ Value	621

Quran 33:33

إِنَّمَا يُرِيدُ اللَّهُ لِيُذْهِبَ عَنْكُمُ الرِّجْسَ أَهْلَ الْبَيْتِ وَيُطَهِّرَكُمْ تَطْهِيرًا...

"..., Indeed Allah wants to keep impurities away from you, People of the Household, and purify you thoroughly."

in Simplified29\_Frequency\_4n+1Primes = **2803** = **P409** where **C409** = **506**

People of the Household = المطهرون in Simplified29\_Alphabet\_Primes1 = **557**

Simplified29	
Chapters	Σ56 1
Verses	Σ79 1
Words	Σ4 1
Letters	Σ36 8
Alphabet_Primes1	
+ Value	557

Prime Calculator	
557	3
557	1a102 17 8
4x139+1 = 19^2 + 14^2	48
102	55
Σ 155403	6183 2781
420	1 558 18 9

Purification prayer اللَّهُمَّ صَلِّ عَلَى مُحَمَّدٍ وَعَالِ مُحَمَّدٍ in Simplified28\_Abjad\_Gematria = **557**

Simplified28	
Abjad_Gematria	
+ User	557

$$\text{Fermat's Prime} = 4n + 1 = a^2 + b^2$$

$$557 = 4(139) + 1 = 19^2 + 14^2$$

The Key (الفاتحة) = 7 verses = 29 letters = 139 letters = 8317 in Simplified29\_Alphabet\_Primes1

Inner Quran (قراءان كريم) = Bismallah (بسم الله الرحمن الرحيم) = **1034** in Primalogy

Bismallah (بسم الله الرحمن الرحيم) = **114** in Simplified28\_Frequency\_Linear  
 Islam's Testimony (شهادة الإسلام) = **114** in Simplified28\_Frequency\_Linear  
 Islam's Testimony (شهادة الإسلام) = **619** in Simplified28\_Abjad\_Gematria

"Allah" = Purification prayer = **557** = **4(139) + 1** in Primalogy

The Key (الفتاحة) = 7 verses = 29 letters = 139 letters = **8317** in Simplified29\_Alphabet\_Primes1  
 The Key (الفتاحة) = 139 letters with 124 diacritics with 56 dots where **139 + 124 = 263 = P56**