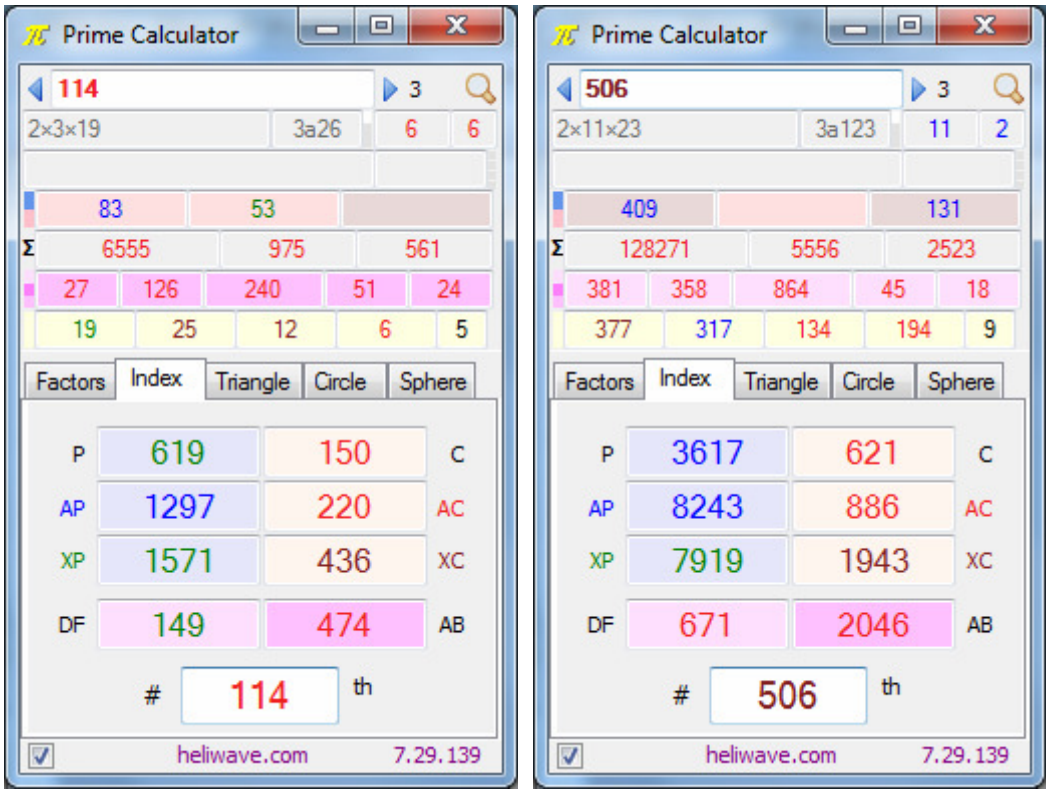
Twin Numbers: 114 and 506

DEFINITIONS		
	The Unit	{U} = Whole number that is indivisible.
	Prime number	{P} = Whole number that is 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 that is 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.



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

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

$P114 = 114^{th}$ prime number $= 619$
$C506 = 506^{th}$ composite number $= 621$
where $114 + 506 = 620$

$C114 = 114^{th}$ composite number $= 150$
$AC114 = 114^{th}$ composite number with a composite digit sum $= 220$
$XC114 = 114^{th}$ composite number with a non-composite digit sum $= 436$
where $XC114 + AC114 - C114 = 506$
$436 + 220 - 150 = 506$

$C506 = 506^{th}$ composite number $= 621$
$AC506 = 506^{th}$ composite number with a composite digit sum $= 886$
$XC506 = 506^{th}$ composite number with a non-composite digit sum $= 1943$
where $XC506 - AC506 - C506 = XC114$
$1943 - 886 - 619 = 436$

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.

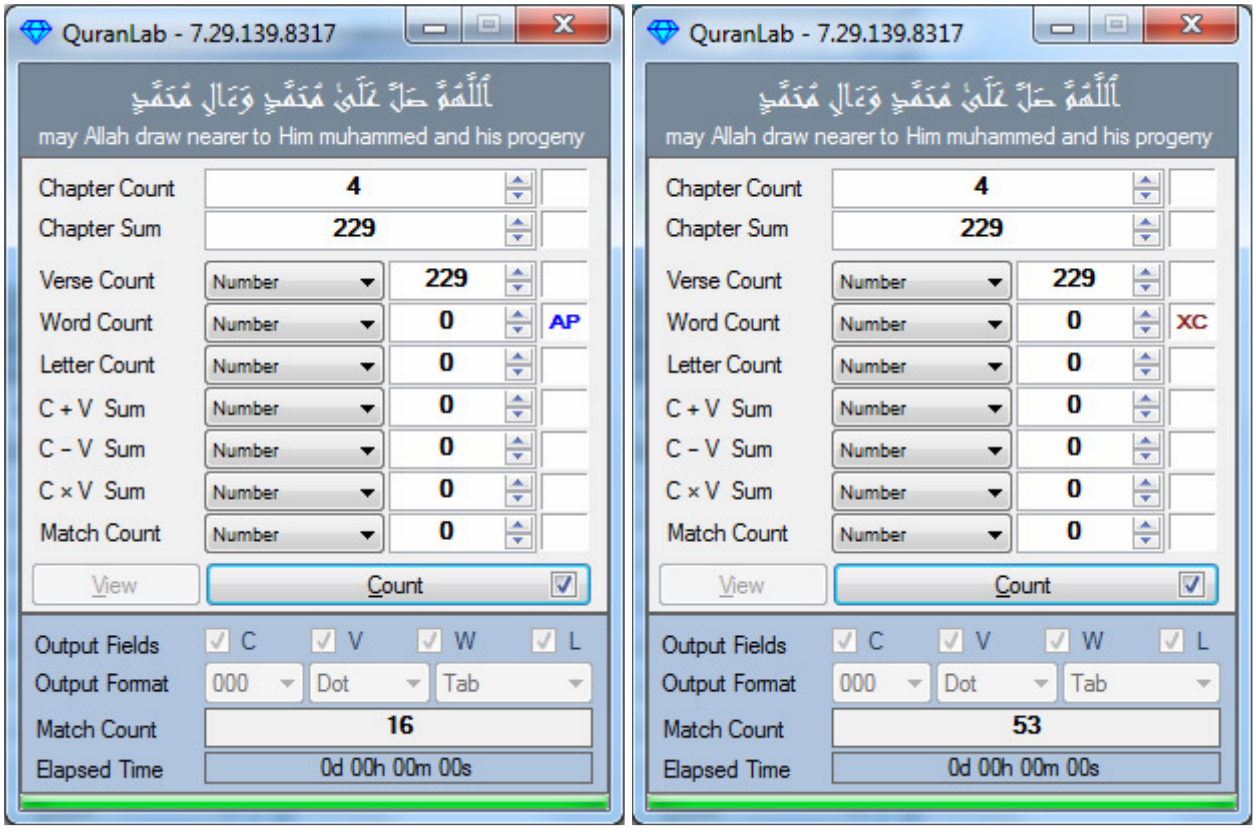
42 prime numbers with non-prime digit sums up to 506:
13, 17, 19, 31, 37, 53, 59, 71, 73, 79, 97, 103, 107, 109, 127, 149, 163, 167,
181, 211, 233, 239, 251, 257, 271, 277, 293, 307, 347, 349, 367, 383, 389, 419,
431, 433, 439, 457, 479, 491, 499, 503.

32 non-additive primes with a digit sum != 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.

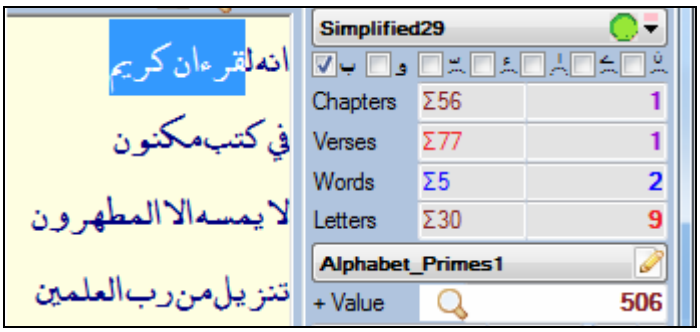
There are 229 4-chapter groups with
sum of chapter numbers = 229
sum of chapter verses = 229

16 groups have an additive prime word sum, and
53 groups have a non-additive composite word sum.

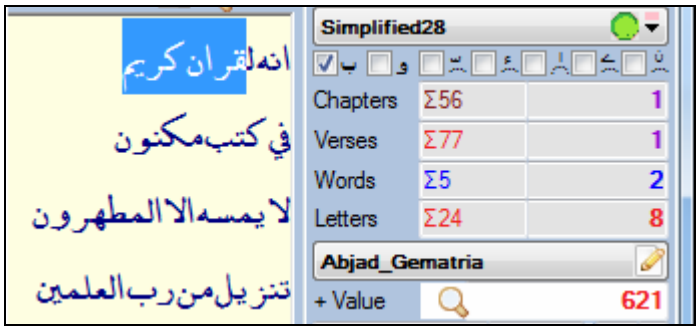


Outer Quran (القرءان العظيم) === 114 chapters with chapter 57 = 29 Verses
Inner Quran (القرءان الكريم) =?= 506 chapters with chapter 253 = 127 Verses

قرءان كريم in Simplified29_Alphabet_Primes1 = **506**



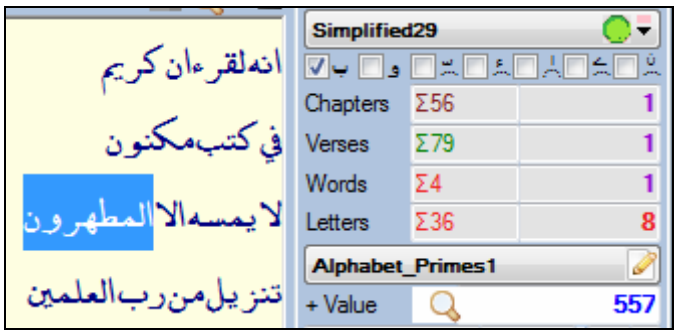
قرءان كريم in Simplified28_Abjad_Gematria = **621** = **C506**

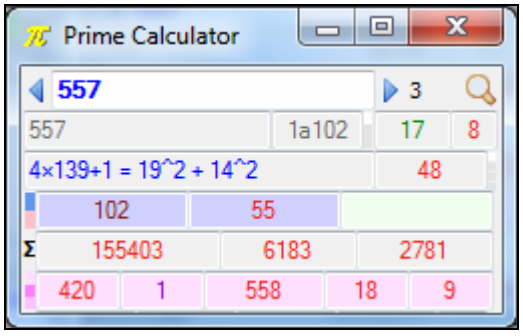


Quran 33:33 ... إِنَّمَا يُرِيدُ ٱللَّهُ لِيُذْهِبَ عَنكُمُ ٱلرِّجْسَ أَهْلَ ٱلْبَيْتِ وَيُطَهِّرَكُمْ تَطْهِيرًا ...

"..., Indeed Allah wants to send all impurities away from you,
O People of the Household, and purify you thorough purification."

The purified People of the Household or المطهرون in Simplified29_Alphabet_Primes1 = **557**





with the purification phrase اَللّٰهُمَّ صَلِّ عَلٰى مُحَمَّدٍ وَعَالِ مُحَمَّدٍ in Simplified28_Abjad_Gematria = **557**

Fermat's Prime = 4(n) + 1 = a^2 + b^2
557 = 4(**139**) + 1 = **19**^{2} + **14**^{2}

Quran chapter #1 **The Key** (الفاتحة) contains **139** letters.

Related Texts and Number Patterns