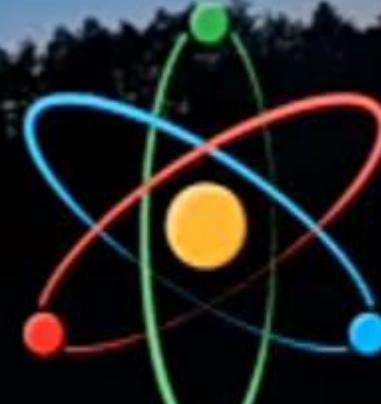
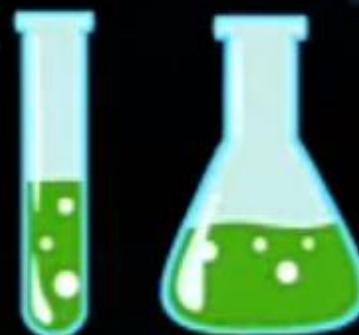


2	3	5
7	11	13
17	19	23



Prime Numbers

in Holy Quran & Nature



Intro

And say, “All praise is for Allah! He will show you His signs, and you will recognize them. And your Lord is never unaware of what you do.”

-- Holy Quran Surah 27 verse 93

Intro

They say, "How is it that no sign was sent to him by his Lord?" Whatever cannot be perceived belongs to God. So wait and I am waiting with you.

-- Holy Quran Surah 10 verse 20

Why Mathematics ?

Mathematics is a basic tool and a common language of all sciences. Mathematical certainty has always impressed philosophers throughout history. The importance of it was better appreciated after the 16th century. Great improvements were achieved in the sciences, thanks to the scientific approach that placed mathematics right in the center.

Why Prime Numbers ?

Prime numbers have baffled mathematicians over 2300 years of recorded history and currently The Clay Mathematics Institute, Cambridge, Massachusetts, USA is offering a \$1,000,000 prize to whoever can solve their distribution mystery amongst the natural numbers.

Prime numbers are the basic entities of Mathematics. They are basic building blocks of numbers yet they show interesting complex properties. They seem to be random yet they show some interesting patterns. Some of the simplest and some of the hardest problems in Mathematics are related to prime numbers.

Holy Quran Statistics

- Number of Surahs (Chapters) = 114
- Number of Total Verses = 6236
- Number of Chapters having Prime Numbered Verses = 32

DLPN Pattern

1. Listed 32 prime numbered verses out of 114 chapters
2. Now take above 32 numbers as indices and find the nth prime numbers. For ex 7th prime number is 17, 109th prime number is 599.
3. Sum of the prime numbers of step 1 is 1076.
4. Sum of the prime numbers of step 2 is 5160.
5. Sum of the values in steps 3 & 4 ($1076+5160 = 6236$) and 6236 is nothing but the total verses of the Holy Quran.
6. The Sum of the 32 chapter numbers is 2239 which is a prime number.

DLPN Pattern

Sl. No.	Chapter No.	Prime Numbered Verse Nos	Prime No of Value in Previous Column	Sl. No.	Chapter No.	Prime Numbered Verse Nos	Prime No of Value in Previous Column
1	1	7	17	17	81	29	109
2	10	109	599	18	82	19	67
3	13	43	191	19	86	17	59
4	26	227	1433	20	87	19	67
5	33	73	367	21	93	11	31
6	36	83	431	22	96	19	67
7	42	53	241	23	97	5	11
8	43	89	461	24	100	11	31
9	44	59	277	25	101	11	31
10	45	37	157	26	103	3	5
11	48	29	109	27	105	5	11
12	57	29	109	28	107	7	17
13	60	13	41	29	108	3	5
14	62	11	31	30	110	3	5
15	63	11	31	31	111	5	11
16	76	31	127	32	113	5	11

DLPN Pattern Applications

This DLPN Pattern protects the Quran from getting corrupted. Here is an example. Dr Rashad Khalifa and his followers believed that chapter 9 Surah Taubah has only 127 verses instead of 129. But that is wrong as per this Pattern why. As 129 is not a prime number it is not listed in this pattern. Now as per their claim if 127 is considered, as 127 is a prime number it enters the DLPN Pattern list and the final outcome will be 7072 : 6234 this makes the pattern collapse.

Also chapter numbers will be 33 and their total is 2248 deviated from prime number 2239.

DLPN Pattern Applications

If Chapter 1 has 5 verses instead of the original 7 verses
(5 is also another prime number),

Then the 4th column for Chapter 1 will now be 11 and not 17 anymore.

And the total sum for the 4th column will now be 5154 and not 5160 anymore.

And the total sum for the 3rd column will now be 1074 and not 1076 anymore.

And the total sum of verses of the Quran will now be 6234 and not 6236 anymore. $5154 + 1074 = 6228$ And 6228 NOT EQUAL to 6234 !!!

Numerical Miracles

The chapter al-Hajj (The Pilgrimage) has the Quran's last mention of 'pilgrimage' in verse number 27.

This verse has 14 words.

There is a mathematical relationship between these two numbers: $14 \times 27 = 378$

$1+2+3+\dots+27=378$ Again, it appears, that the number of words in this verse was chosen to bring about this correspondence.

Numerical Miracles

The chapter named al-Hadeed (Iron) is the 57th chapter. It has 29 verses. There is a mathematical relationship between these two numbers, as follows:
 $57 \times 29 = 1653$

The sum of the whole numbers from 1 to 57 is the same, represented mathematically as: $1+2+3+\dots+57=$
 $n*(n+1)/2 = 1653$

It appears that the number of verses could have been almost any number, and that 29 was chosen to result in this correspondence.

Prime Numbers

in Holy Quran & Nature

Prime Numbers (Definition)

A prime number is a natural number greater than 1 that is not a product of two smaller natural numbers.

For example, 5 is prime. The only ways of writing it as a product, 1×5 or 5×1 .

Prime Numbers (Uses)



Prime numbers are extensively used in cryptography and network security.

One of the public key encryption algorithm called RSA actually relies on the factorization of product of large primes.

Prime Numbers (History)

Prime numbers were first studied by the ancient Greek mathematicians. The mathematicians of Pythagoras's school (500 BC to 300 BC) were interested in numbers for their mystical and numerological properties.



Prime Numbers (Facts)

- The largest prime number known till now is $2^{82589933} - 1$ and it has 24,862,048 digits.
- Zero and 1 are not considered prime numbers.
- 2 is the only even prime number.
- There is an organization The Great Internet Mersenne Prime Number Search (GIMPS) was founded in 1996 by George Woltman dedicated to finding the largest prime numbers.

Prime Numbers (Facts)

- 25 primes in 100 (25%),
- 168 primes in 1000 (16.8%)
- 1229 primes in 10,000 (12.29%) etc.
- Prime numbers that are two spaces apart are called twin primes. One of the first few twin prime pairs are: (3, 5), (5, 7), (11, 13), (17, 19), (29, 31), (41, 43), (59, 61), (71, 73), (101, 103), (107, 109), (137, 139).
- (3,5) corresponds to planets Earth and Jupiter in our Solar system.



Prime Numbers (Facts)



Prime numbers have baffled mathematicians over 2300 years of recorded history. The primes are the Atoms of the arithmetic. But despite their fundamental character they also represent one of the greatest enigmas in mathematics. Because as you count through the universe of numbers it is almost impossible to spot a pattern that will help you to predict where the next prime will be found. We know primes go on for ever but finding a pattern in the primes is one of the biggest mysteries in mathematics. A million-dollar prize has been offered to anyone who can reveal the secret of these numbers.



Prime Number Theorem (PNT) - Carl Gauss

The prime number theorem provides a way to approximate the number of primes less than or equal to a given number n . This value is called $\pi(n)$, where π is the "prime counting function." For example, $\pi(10) = 4$ since there are four primes less than or equal to 10 (2, 3, 5 and 7). Similarly, $\pi(100) = 25$.

The theorem tells us that $\pi(n)$ is "asymptotically equal" to $n/\log(n)$, where \log is the natural logarithm.



Prime Numbers in Holy Quran

Chapter	Verses										
1	7	20	135	39	75	58	22	77	50	96	19
2	286	21	112	40	85	59	24	78	40	97	5
3	200	22	78	41	54	60	13	79	46	98	8
4	176	23	118	42	53	61	14	80	42	99	8
5	120	24	64	43	89	62	11	81	29	100	11
6	165	25	77	44	59	63	11	82	19	101	11
7	206	26	227	45	37	64	18	83	36	102	8
8	75	27	93	46	35	65	12	84	25	103	3
9	129	28	88	47	38	66	12	85	22	104	9
10	109	29	69	48	29	67	30	86	17	105	5
11	123	30	60	49	18	68	52	87	19	106	4
12	111	31	34	50	45	69	52	88	26	107	7
13	43	32	30	51	60	70	44	89	30	108	3
14	52	33	73	52	49	71	28	90	20	109	6
15	99	34	54	53	62	72	28	91	15	110	3
16	128	35	45	54	55	73	20	92	21	111	5
17	111	36	83	55	78	74	56	93	11	112	4
18	110	37	182	56	96	75	40	94	8	113	5
19	98	38	88	57	29	76	31	95	8	114	6

Orange color: chapter# primes Green color: verse# primes



Prime Numbers in Holy Quran

There are 30 chapters having prime numbers as chapter numbers in total 114 chapters. Out of 30 we have exactly 7 (prime number) chapters whose verse numbers are also prime numbers. 3rd column is a set of prime numbers of 2nd column as indices. And their sums 577, 163 and 727 are also primes.

pChapters	pVerses	ppVerses
13	43	191
43	89	461
97	5	11
101	11	31
103	3	5
107	7	17
113	5	11
577	163	727

pChapters - Prime Numbered Chapters

pVerses - Prime Numbered Verses

ppVerses - nth Prime number of Prime Numbered Verses

Prime Numbers in Holy Quran



Dual Layer Prime Number Pattern (DLPNP):

- 1) Listed 32 prime numbered verses out of 114 chapters
- 2) Listed the prime numbers of the prime numbers from previous column
- 3) Sum of the 3rd column as 1076.
- 4) Sum of the 4th column as 5160.
- 5) Sum of the above two numbers is $1076+5160 = 6236$ which is nothing but the total number verses of Holy Quran.
- 6) The Sum of the 32 chapter numbers is 2239 which is a prime number.

Prime Numbers in Holy Quran (DLPNP)



Sl. No.	Chapter No.	Prime Numbered Verse Nos	Prime No of Value in Previous Column	Sl. No.	Chapter No.	Prime Numbered Verse Nos	Prime No of Value in Previous Column
1	1	7	17	17	81	29	109
2	10	109	599	18	82	19	67
3	13	43	191	19	86	17	59
4	26	227	1433	20	87	19	67
5	33	73	367	21	93	11	31
6	36	83	431	22	96	19	67
7	42	53	241	23	97	5	11
8	43	89	461	24	100	11	31
9	44	59	277	25	101	11	31
10	45	37	157	26	103	3	5
11	48	29	109	27	105	5	11
12	57	29	109	28	107	7	17
13	60	13	41	29	108	3	5
14	62	11	31	30	110	3	5
15	63	11	31	31	111	5	11
16	76	31	127	32	113	5	11

7th prime is 17, 109th prime
is 599.....

2239

1076

5160

6236

Chapter 55 Ar-Rahman Pattern

Total Number of Verses in Holy Quran (6236) =

Sum of the first 55 Prime Numbers (6338)



55 Chapter Number



78 Total Number of Verses



31 Repeated verses of Chapter 55

Chapter 55 Ar-Rahman (The Beneficent) has 78 Verses

Chapter 60 Al-Mumtahanah Pattern

Total Chapters of Holy Quran (114) =

Chapter No 60 + No of verses in chapter 60,
13 + 13th Prime Number 41 = $60+13+41=114$

Total Number of Verses in Holy Quran (6236) =

Sum of the first 60 prime numbers (7699)



Sum of the non prime numbers under 60 (1390)



(60 + 13 verses of 60th chapter) 73

Chapter 96 Al-Alaq Pattern



Total Number of Verses in Holy Quran (6236) =

Sum of first 96 composite numbers (6535)

- 96 (First chapter to have been revealed and It has 19 verses)

- 19th Composite Number (30)

- 19th Prime Number (67)

- 19th Chapter Maryam Verses (98)

- 8 (19 is the 8th Prime Number)

Prime Number 19

It encompasses the first numeral (1) and the last numeral (9), and thus proclaims God's attribute in chapter 57 verse 3 as the "Alpha and the Omega."

"He is the First and the Last, the Ascendant and the Intimate, and He is, of all things, Knowing."

And we have $57/3 = 19$

Holy Quran Chapter 112

Holy Quran chapter 112 Al-Ikhlas has 15 words and 47 letters. Amazingly 15th prime number is 47.

First 15 prime numbers are

2,3,5,7,11,13,17,19,23,29,31,37,41,43,47



Holy Quran Total Verses

Total verse numbers in Quran are 6236. we have 811 prime numbers under 6236. 811 itself is a prime number. 811th prime number is 6229.

$6236 - 6229 = 7$ which is also a prime number.

807	6203
808	6211
809	6217
810	6221
811	6229
812	6247
813	6257
814	6263
815	6269

Holy Quran First Chapter



{ 7, 29, 139 }

Quran's chapter #1 (The Opener) has 7 verses, 29 words and 139 letters(arabic count).

All are primes with prime digit sums
($7=7$, $2+9=11$, $1+3+9=13$).

Left-to-right concatenation (729139) and right-to-left concatenation (139297) are also primes with a prime digit sum ($7+2+9+1+3+9=31$).

{ 1, 7, 29 } We get Hardy-Ramanujan or Taxi number 1729 by concatenating Chapter number 1, total verse numbers 7 and total words 29.

Sum of digits $1+7+2+9=19$ a prime number.



Holy Quran 114 Total Chapters

There are 114 chapters (Surahs) in Holy Quran. There are 83 composite numbers below 114. There are 30 prime numbers below 114. Neither Prime nor Composite number is 1.

So total $83+30+1 = 114$. 83 is a prime number, $83+30=113$ is a prime number. $83-30=53$ is a prime number. Concatenate 30 and 83 = 3083 is a prime number.

$30-1 = 29$ is a prime number,

$30+1 = 31$ is a prime number.

Sum of the 114 numbers (6555) - Sum of the Prime Numbers below 114 (1588) = 4967 is a prime number

Holy Quran 114 Total Chapters

Holy Quran has 114 chapters. 114th prime number is 619 and $(114 = 6 \times 19)$. 619th prime number is 4567. The possible numbers we get with these 4 digits 4, 5, 6, 7 are 24 numbers as shown in the below picture in ascending order. If you observe 19th number it is 7456. Quran 74th chapter has 56 verses And it is the only chapter in which 19 is mentioned. Chapter 74 verse 30 talks about 19 angels and 30th is the 19th composite number.

There are nineteen angels over it who are its wardens.

The 114th prime number is 619 and the 619th prime is 4567

Index	Element	Index	Element
1	4567	13	6457
2	4576	14	6475
3	4657	15	6547
4	4675	16	6574
5	4756	17	6745
6	4765	18	6754
7	5467	19	7456
8	5476	20	7465
9	5647	21	7546
10	5674	22	7564
11	5746	23	7645
12	5764	24	7654

The 19th group element tells us that sura 74 has 56 verses. Note 19 is mentioned only in sura 74

Holy Quran Chapter 55 (Ar-Rahman)

There is a verse
"Then which of the favors of your
Lord will you 'humans and jinn' both
deny?" repeated 31 times.

Holy Quran Chapter 55 (Ar-Rahman)

Those 31 numbers are (13, 16, 18, 21, 23, 25, 28, 30, 32, 34, 36, 38, 40, 42, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77)

and their corresponding prime numbers are

(41, 53, 61, 73, 83, 97, 107, 113, 131, 139, 151, 163, 173, 181, 197, 211, 227, 233, 241, 257, 269, 277, 283, 307, 313, 331, 347, 353, 367, 379, 389)

Sum of both the series are 1433 and 6547 which are prime numbers.

Holy Quran Chapter 55 (Ar-Rahman)

- The middle number of these 31 numbers is 47 a prime number.
- Out of these 31 numbers we have 9 prime numbers 13, 23, 47, 53, 59, 61, 67, 71 and 73 whose sum 467 is a prime number.
- Out of these 9 prime numbers 4 are used as verse numbers for 4 chapters.
- The chapters are 60, 42, 44 and 33.
- Their sum 179 is also a prime number.

Verse No.	Chapter No.
13	60
53	42
59	44
73	33
198	179

Holy Quran Chapter 76 The Man (Al-Insan)

The first letter (Alif) of Al-Insan in 1st and 2nd verses is at 9th position and last letter (Nun) is at 14th position.

Now see the human chromosomes pairs 23, chromosomes numbers 46 related to prime numbers. There are 9 prime numbers under 23 and 14 prime numbers under 46.

76:1 Is there not a period of time when each human is nothing yet worth mentioning?

76:2 'For' indeed, We 'alone' created humans from a drop of mixed fluids, 'in order' to test them, so We made them hear and see.



Holy Quran 19 Chapters (Single Digit Verses)



Sl. No.	Surah No.	No. of Verses
1	1	7
2	94	8
3	95	8
4	97	5
5	98	8
6	99	8
7	102	8
8	103	3
9	104	9
10	105	5

11	106	4
12	107	7
13	108	3
14	109	6
15	110	3
16	111	5
17	112	4
18	113	5
19	114	6

Holy Quran - Metals



The Metals mentioned in Holy Quran are Iron, Copper, Silver and Gold. Except Iron(26) rest of the 3 elements are called coinage metals with prime Numbered elements (29, 47, 79) and belong to same 11th group which is also a prime number. If we add all these 4 numbers (including iron) $26+29+47+79$ we get 181 which is also a prime number. In addition Brass also mentioned which is an alloy of Copper and Zinc(30). Now add this 30 to 181 = 211 which is also a prime number.

26 Fe Iron Transition Metal	27 Co Cobalt Transition Metal	28 Ni Nickel Transition Metal	29 Cu Copper Transition Metal	30 Zn Zinc Transition Metal
44 Ru Ruthenium Transition Metal	45 Rh Rhodium Transition Metal	46 Pd Palladium Transition Metal	47 Ag Silver Transition Metal	48 Cd Cadmium Transition Metal
76 Os Osmium Transition Metal	77 Ir Iridium Transition Metal	78 Pt Platinum Transition Metal	79 Au Gold Transition Metal	80 Hg Mercury Transition Metal
98 Hs Hassium Transition Metal	109 Mt Meitnerium Transition Metal	110 Ds Darmstadtium Transition Metal	111 Rg Roentgenium Transition Metal	112 Cn Copernicium Transition Metal

Holy Quran - Chapter Al-Hashr 59 Verse 23

This verse mentions the most number of God's names i.e. 8 names out of total 99 names.

He is Allah, other than whom there is no deity,
1 the Sovereign, 2 the Pure, 3 the Perfection, 4
the Grantor of Security, 5 the Overseer, 6 the
Exalted in Might, 7 the Compeller, 8 the
Superior. Exalted is Allah above whatever they
associate with Him.

Holy Quran - Chapter Al-Hashr 59 Verse 23

Few prime number facts:

- 1) 59 is a prime number
- 2) 23 is a prime number
- 3) This verse has 19 words in Arabic 19 is another prime number.
- 4) 8th prime number is 19
- 5) Concatenate 59, 23 we get 5923 a prime number
- 6) Sum of the digits $5+9+2+3 = 19$ a prime number
- 7) Add 8 to 23 we get 31 a prime number.
- 8) Add 8 to 59 we get 67 another prime number.
- 9) Concatenate 8 with 23 we get 823 a prime number.
- 10) Concatenate 8 with 59 we get 859 a prime number.
- 11) Add 59, 23 and 19 we get 101 another prime number.
- 12) Add 58, 23, 19 and 8 we get 109 another prime number.



Prime Numbers in Islam



- 5 pillars of Islam
- 5 times daily prayers
- Most of the ablution rituals done 3 times each
- 17 cycles (Rakat) of daily mandatory prayers (Salat)
- 2 Festivals (Ramadan, Eid-ul-Adha) in Islam
- 7 times circling (TAWAF) the Kabah during Haj.
- 7 rounds of running between Safa & Marwah hills during Haj pilgrimage.
- 7 pebbles throwing at one of the 3 Pillars.

Prime Numbers in Islam

The Messenger of Allah (Peace and blessings be upon him) said, "He who recites after every prayer: Subhan-Allah 33 times; Al-hamdu lillah 33 times; Allahu Akbar 33 times; and completes the hundred with: La ilaha illallahu, wahdahu la sharika lahu, lahul-mulku wa lahul-hamdu, wa Huwa 'ala kulli shai'in Qadir. will have all his sins pardoned even if they may be as large as the foam on the surface of the sea".

Now concatenate the four numbers 33, 33, 33 and 1 we get 3333331 which is a prime number and it has 7 digits another prime number and sum of digits 19 which is another prime number.

Prime Numbers in Nature



We find prime numbers in the structure of a beehive, in the scales of a pineapple, or even the petals of a rose.



Prime Numbers in Nature

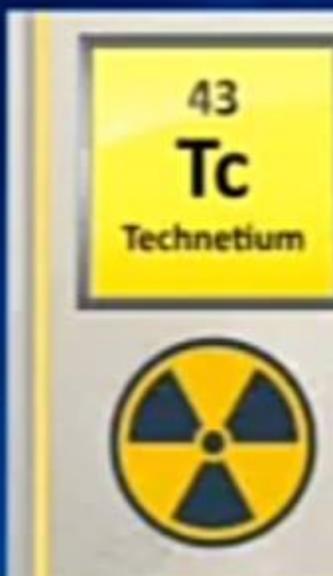
- 7 Colors of Visible Spectrum (VIBGYOR)
- 7 shells of an atom
- 7 days of a week
- 7 continents of the earth



Prime Numbers in Chemistry

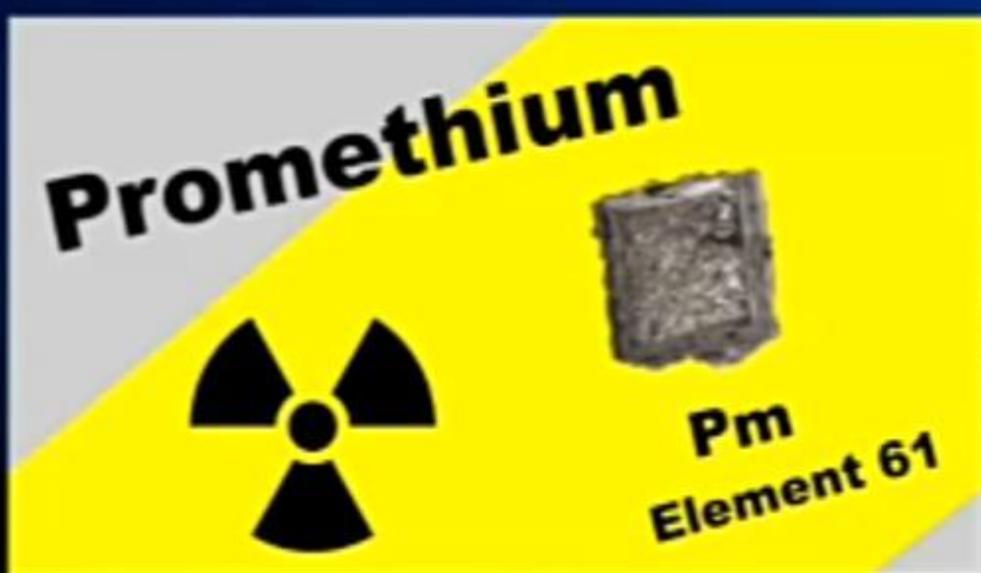


For some strange reason radio active elements 43 (Technetium) and 61 (Promethium) do not exists naturally. Both are prime numbers. Their difference 19 (including 43, 61) is also a prime number.



Technetium

Element Symbol: Tc
Atomic Number: 43
Atomic Weight: [97]
Discovery: Segré and Pierier (1937)
Electrons: [Kr] 4d5 5s2
Group: Group 7 (transition metal)
Period: Period 5
Block: d-block
Appearance: Shiny gray metal



Concatenate Technetium's Atomic Number 43 and Atomic Weight 97 we get 4397 a prime number.
Promethium's atomic weight 145 and atomic number 61 we get 14561 a prime number.

Periodic Table of Elements

1. Observed 19 prime numbered elements when listed the prime numbered elements across prime numbered groups (2,3,5,7,11,13 and 17) and prime numbered periods (2,3,5 and 7).
2. Atomic numbers of those 19 elements are 3,5,7,11,13,17,23, 29,31,37,41,43,47,53,73,79,107,109,113
3. Take the middle number 37. There are 9 numbers before and 9 numbers after 37. Concatenate 9,1,9 it's 919 a palindrome prime number. See interesting fact here 37th prime number is 157 and 157th prime number is 919.
4. 841st prime number is 6481 whose sum of digits is $6+4+8+1 = 19$.

Periodic Table of Elements

Periodic Table of the Elements

Period	1	Non-Metals												18				
1	H	Group IA												He				
1	Hydrogen 1.0079	2	Group IIA												Helium 4.0028			
2	Li Lithium 6.9412	B Boron 9.0122	Group IVA												12			
3	Na Sodium 22.9898	Mg Magnesium 24.3051	Group VIA												Neon 20.1898			
4	K Potassium 39.0963	Ca Calcium 40.0794	Se Scandium 44.9559	Ti Titanium 47.8671	V Vanadium 50.9415	Cr Chromium 51.9962	Mn Manganese 54.938	Fe Iron 55.8452	Co Cobalt 58.932	Ni Nickel 58.6934	Cu Copper 63.5463	Zn Zinc 65.4054	Ga Gallium 69.7221	Ge Germanium 72.641	As Arsenic 74.9216	Se Selenium 78.963	Br Bromine 79.9041	Kr Krypton 83.7982
5	Rb Rubidium 85.4678	Sr Strontium 87.621	Y Yttrium 88.9059	Zr Zirconium 91.2242	Nb Niobium 92.9064	Mo Molybdenum 95.942	Tc Technetium (90)	Ru Ruthenium 101.372	Rh Rhodium 102.9055	Pd Paladium 106.421	Ag Silver 107.8682	Cd Cadmium 112.4118	In Indium 114.8163	Sn Tin 118.7167	Sb Antimony 121.7601	Tc Tellurium 127.603	I Iodine 126.9045	Xe Xenon 131.2936
6	Cs Cesium 132.9055	Ba Barium 137.3277	Lu Lutetium 174.9671	Hf Hafnium 178.4302	Ta Tantalum 180.9479	W Tungsten 183.041	Re Rhenium 186.2071	Os Osmium 190.233	Ir Iridium 192.2173	Pt Platinum 195.0646	Au Gold 196.3686	Hg Mercury 200.592	Tl Thallium 204.3033	Pb Lead 207.21	Bi Bismuth (208)	Po Polonium (210)	At Astatine (210)	Rn Radon (220)
7	Fr Francium (223)	Ra Radium (226)	Lr Lawrencium (257)	Rf Rutherfordium (261)	Db Dubnium (262)	Sg Seaborgium (263)	Bh Bohrium (264)	Hs Hassium (265)	Mt Meitnerium (268)	Ds Darmstadtium (271)	Rg Roentgenium (272)	Cn Copernicium (285)	Uut Ununtrium (285)	Uuq Ununquadium (285)	Uup Ununpentium (295)	Uuh Ununhexium (295)	Uus Ununseptium (295)	Uuo Ununoctium (296)

Transition Metals

Post-Transition Metals

Noble Gases

Prime Numbers in Biology

- The codons of the genetic code that encode amino acids are 61, while there are three that do not encode any amino acid.
- Each codon consists of three nucleotides.
- Among the 37 genes of mitochondrial DNA 13 encode proteins.
- 23 chromosomes in human reproductive cell etc.

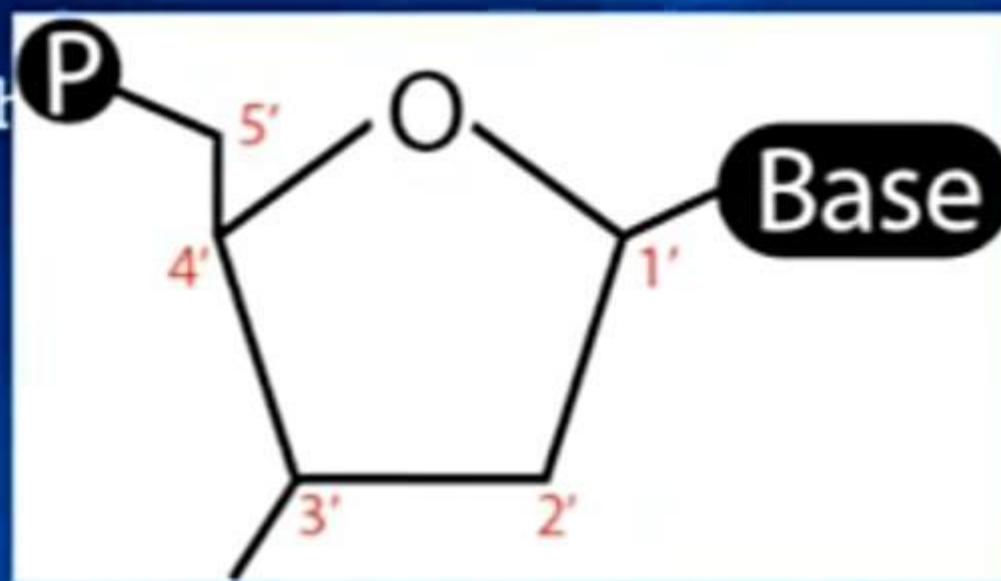
Prime Numbers in Biology

- A known example from the field of the animal kingdom is that two kinds of cicadas *Magicicada tredecim* and *Magicicada septendecim* live in the same environment with a lifecycle of 13 and 17 years respectively.



Prime Numbers in Biology

5' - 3' direction refers to the orientation of nucleotides of a single strand of DNA or RNA. The 5' and 3' specifically refer to the 5th and 3rd carbon atoms in the deoxyribose/ribose sugar ring. The phosphate group attached to the 5' end of one nucleotide and the hydroxyl group at the 3' end of another nucleotide have the potential to form phosphodiester bonds, and hence link adjacent nucleotides.



This linkage provides the sugar-phosphate backbone that gives DNA its structural rigidity. Any single strand of DNA/RNA will always have an unbound 5' phosphate at one end and an unbound 3' hydroxyl group at the opposite end. DNA is always read in the 5' to 3' direction, and hence you would start reading from the free phosphate and finish at the free hydroxyl group.

Prime Numbers in Cosmos - 137

In physics, the fine-structure constant, also known as Sommerfeld's constant, commonly denoted by α , is a fundamental physical constant which quantifies the strength of the electromagnetic interaction between elementary charged particles.

$$\alpha = \frac{1}{4\pi\epsilon_0} \frac{e^2}{\hbar c} \approx \frac{1}{137}$$

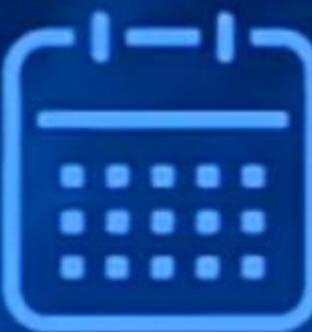
What's special about alpha is that it's regarded as the best example of a pure number, one that doesn't need units. It actually combines three of nature's fundamental constants – the speed of light, the electric charge carried by one electron, and the Planck's constant.

Prime Numbers in Cosmos

- This immutable number 137 determines how stars burn, how chemistry happens and even whether atoms exist at all
- For example, the strong force seems to be 137 times that of the electromagnetic force over femtometer distances ($1E-15$ meters). The strong force drops to zero at about 3 femtometers.
- Protons and Neutrons are made up of 3 Quarks.
- 19 years of metonic cycle



Prime Numbers in Calendars



1. The maximum number of days in Gregerian Solar Calendar is 31 a prime number
2. The minimum number of days in Hijri Lunar Calendar is 29 a prime number.
3. Leap year has 29 days a prime number.
4. The Bahá'í calendar is composed of 19 months, each with 19 days.

Holy Quran Chapter 41 (Fussilat) verse 53

WE WILL SHOW THEM OUR SIGNS
IN THE UNIVERSE AND WITHIN
THEMSELVES UNTIL IT BECOMES
CLEAR TO THEM THAT THIS
'QURAN' IS THE TRUTH. IS IT
NOT ENOUGH THAT YOUR LORD
IS A WITNESS OVER ALL THINGS?

Surah 2

ayahs ?

286



The ayah occurs:

وَكَذَلِكَ جَعَلْنَاكُمْ أُمَّةً وَسَطًا



for illustration purposes only



Ayaah

Ayaah

Ayaah

.....



Al-Baqarah



Al-Imran



An-Nisa



Al-Ma'idah



....

for illustration purposes only



البقرة

286

'We made you a
middle nation'

Ayah No: 143

Look at this Ayah

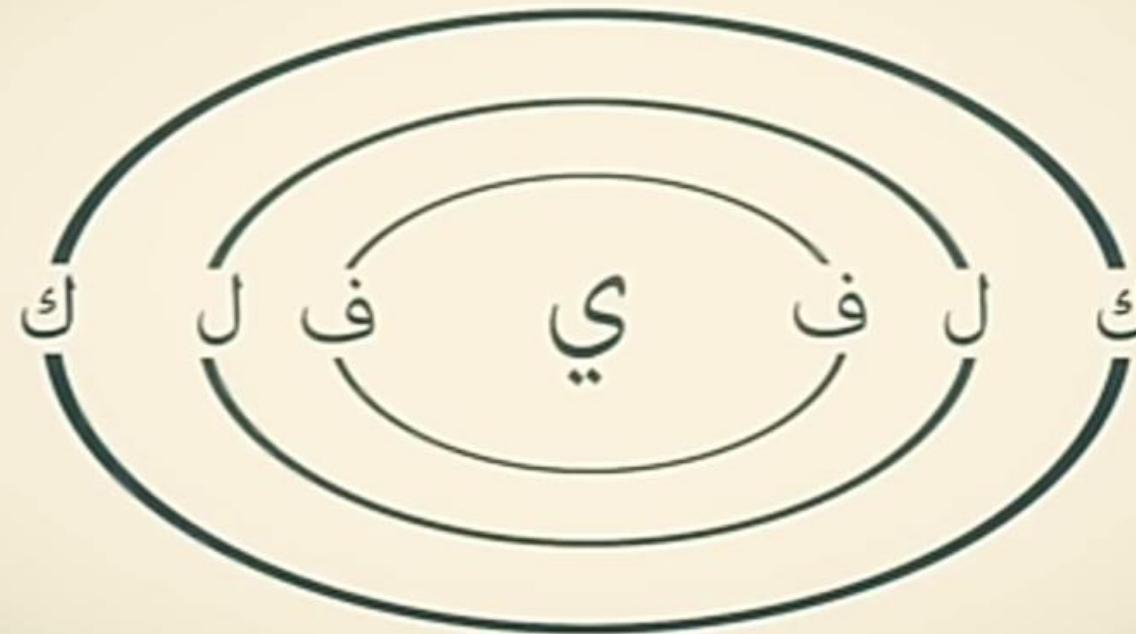
لَا الشَّمْسُ يَنْبَغِي لَهَا أَنْ تُدْرِكَ الْقَمَرَ وَلَا الْلَّيلُ سَابِقُ النَّهَارِ
وَكُلُّ فِي فَلَكٍ يَسْبَحُونَ

Notice
Something?

كُلُّ فِي فَلَكٍ
=

Not
written
form

گُلْ فِي فَلَكٍ يَسْبَحُونَ



Spoken
word

إِنَّمَا أَنزَلْنَاهُ فِي لَيْلَةِ الْقَدْرِ



وَمَا أَدْرَكَ مَا يَلِهُ الْقَدْرُ



لَيْلَةُ الْقَدْرِ خَيْرٌ مِّنْ أَلْفِ شَهْرٍ

And then Six words in the third Ayah

تَنَزَّلُ الْمَلَائِكَةُ وَالرُّوحُ فِيهَا بِإِذْنِ رَبِّهِمْ مَنْ كُلُّ أَمْرٍ

Then Nine words in the fourth Ayah

سَلَامٌ هِيَ حَىٰ مَطْلَعُ الْفَجْرِ

And Five words in the fifth Ayah.
Count this yourself

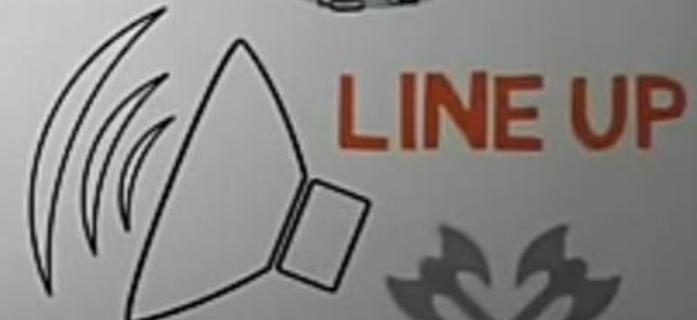
	17		17		115		115
	11		11		88		88
	332		332		12		145
	365		12		167		145
							167

WORD COUNTS

23

?

PERFECTLY



BATTLE IGNORANCE

REFERENCES TO 'ADAM' IN THE QUR'AN				REFERENCES TO 'JESUS' IN THE QUR'AN	
Verse		Chapter Number	Verse Number	Verse	Chapter Number
1	And he taught Adam all the names	2	31	1	87
2	He said: O Adam! Inform them of their names		33	2	136
3	Prostrate yourselves before Adam		34	3	253
4	O Adam! Dwell thou and thy wife in the Garden		35	4	45
5	Then Adam received Words from his Lord	3	37	5	52
6	Indeed! God chose Adam		38	6	55
7	Verily, the likeness of Jesus before Allah is the likeness of Adam		59	7	59
8	Recite to them the truth of the story of the two sons of Adam		27	8	84
9	Then We bade the angels bow down to Adam	7	11	9	157
10	O Adam! Dwell thou and thy wife in the Garden		19	10	163
11	- O Children of Adam! We have bestowed raiment upon you		25	11	171
12	O Children of Adam! Let not Satan deceive you		27	12	45
13	O Children of Adam! Look to your adorment at every place of worship		31	13	78
14	O Children of Adam! If there come to you Messengers		35	14	110
15	And (remember) when thy Lord brought forth from the Children of Adam		172	15	112
16	Prostrate to Adam	17	61	16	114
17	Verily We have honoured the Children of Adam		70	17	115
18	Prostrate to Adam	18	50	18	85
19	of the offspring of Adam		58	19	34
20	And indeed We made a covenant with Adam before	20	115	20	33
21	Prostrate yourselves to Adam		116	21	42
22	O Adam! Verily, this is an enemy to you and to your wife		117	22	63
23	O Adam! Shall I lead you to the Tree of Eternity		120	23	27
24	Thus did Adam disobey his Lord, so he went astray		121	24	6
25	Did I not ordain for you, O Children of Adam, that you should not worship Satan		60	25	14

MIRACLE IN
THE QURAN

سورة الكهف

[CHAPTER 18 THE CAVE]

وَلَبِثُوا فِي كَهْفٍ مِّنْهُمْ تَلَاثَ مِائَةٌ سِنِينَ وَأَزْدَادُوا تِسْعًا

QURAN 18:25

SO THEY REMAINED IN THEIR CAVE
THREE HUNDRED YEARS, AND EXCEEDED BY NINE

300+9



300

X365

109,54



309

X354.5

109,5

TO THE LAST INSTANCE OF
THE WORD "REMAINED" IN 18:26

لَبِثُوا

REMAINED

قل الله أعلم بما لبثوا

18:26

بما .308

لبثوا .309

298. كففهم

299. ثلاث

THREE
HUNDRED

300. مائة

301. سنتنر



OR IS THIS BOOK
REALLY DIVINE?

LAND = 13 times
SEA = 32 times

$$\begin{array}{r} \\ \hline 45 \\ 13/45 = \% 28,888 \\ 32/45 = \% 71,111 \end{array}$$



times
times

888
?

Land

28,88



5

,888

,111



71,111 %

Sea



