

Phase 4

Perfect Circumference of Ali Pi

1-Start

9-End

- **Nineteen - 19** encompasses the first numeral – 1 and the last - 9 numeral
- **One (1)** -- Start of every thing, Origin, Unity, Unique, etc
- **Nine (9)** -- End of everything, Destination, Final, Last etc

19

www.ali-pi.com

Number – 19

| | |
|--------------------------------|-------------------------------------|
| Cardinal | 19 (nineteen) |
| Ordinal | 19th (ninteenth) |
| Factorization | Prime |
| Divisors | 1,19 |
| Roman numeral | XIX |
| Roman numeral (Unicode) | XIX, xix |
| Binary | 10011 |
| Octal | 23 |
| Duodecimal | 17 |
| Hexadecimal | 13 |

4 x 4 Magic Square of 19

| | | | |
|---|---|---|---|
| 4 | 8 | 1 | 6 |
| 1 | 6 | 4 | 8 |
| 6 | 1 | 8 | 4 |
| 8 | 4 | 6 | 1 |

All rows, columns and diagonals add to **19**

Significance of 19 in Mathematics

1. The Rhind Papyrus contained a problem to find x so that x plus one seventh of it will equal the prime number **19**.
2. **String of the first ten odd integers, from 1 up to 19, is a prime (135791113151719).**
3. There are exactly **19 primes** beginning with the digit 2 among primes smaller than one thousand.
4. **19** is the largest prime factor of 1444 - the smallest perfect square to end in three 4's. Note that 4 is the only non-zero digit that can repeat at the end of a perfect square, and the most consecutive 4's that can appear in such a place is three.
5. **Number – 67 is the 19th Prime number.**
6. **Professor Barabasi and his team have found that the World Wide Web on average has 19 clicks of separation between web pages.**

1st Prime Number – Digital Root is 1

19

19 is the **first and the smallest** Prime Number with a digital root of **1**.

$$19 = 1 + 9 = 10 = 1 + 0 = 1$$

1

19 As a Prime Number

- $(1111 \times 111)^{11} + 1111111111 + 1$ (**19** ones) is a prime number.
- **19** is the first prime resulting from the sum of cubes of distinct fractions using only primes, i.e.,

$$19 = (5/2)^3 + (3/2)^3.$$

- Inserting 17 zeros between the two digits of 19 makes another prime of exactly **19** digits. Note that **17** and **19** are twin primes.

10000000000000000009.....Prime Number with 17- Zero's in between 1 and 9.

19 - Only Prime Number

19 ----- |1 - 9|th prime number

19 ----- |9 - 1|th prime number

- **$(19^{19} - 2^{19}) / (19 - 2)$ is a prime number**
- **12 trees can be planted in an orchard to create 19 rows of 3 trees each. It is conjectured that the maximum number of 3-rows is also 19 for 13 trees.**

[Sloane 982]

19 - Smallest Prime Number

1. The smallest prime that is **equal to the product of its digits plus the sum of its digits** $(1 \times 9) + (1 + 9) = 9 + 10 = 19$
2. 19 is the smallest prime **whose reversal is composite**
 $91 - \text{Composite number} = 13 \times 7 = 91$
3. The only prime which is equal to the difference of two prime cubes.
 $(3)^3 - (2)^3 = 27 - 8 = 19$
4. 19 is the smallest two-digit number such that **$19^{19} + 19 - 1$ is prime**
5. **19 is the smallest prime with a digital root of 1**
6. 19 is the only known number for which both $(10^{n-1})/9$ and $(10^{n+1})/11$ are primes
7. 19 is the smallest prime **equal to the product of Twin primes plus their arithmetic mean**
 $(3 \times 5) + 4 = 19$

19 - Smallest Prime Number

19 is the smallest prime which is the sum of **3** discrete primes

$$3 + 5 + 11 = 19$$

19 – 8th Prime Number and Number - 27

- 19 – 8th Prime Number

$$19 + 8 = 27$$

- The root number of Number – 27 is Number – 9 as:

$$27 = 2 + 7 = 9$$

- Also if **1 degree** = $1/360 = 0.0027777\dots$
- The first two numbers of the value of 1 degree is also **Number – 27**

Relationship between 19 and the Perfect Numbers

- 19 is the smallest Prime number with a digital root of Number – 1.

$$19 = 1 + 9 = 10 = 1 + 0 = 1$$

- All the Perfect Numbers have a digital root of Number – One -1 except the First and the smallest Perfect Number – 6

$$28 = 2 + 8 = 10 = 1 + 0 = 1$$

$$496 = 4 + 9 + 6 = 19 = 1 + 9 = 10 = 1 + 0 = 1$$

$$8128 = 8 + 1 + 2 + 8 = 19 = 1 + 9 = 10 = 1 + 0 = 1$$

And so on

- So 19 is basically representing all the Perfect Numbers as a root number of all Perfect Numbers except Number – 6 which is the smallest and the first Perfect Number
- 19 = 1.....root number of all Perfect numbers except Number – 6
- 19Representing all Perfect Numbers in Mathematics except Number – 6.

Perfect Numbers and 19

$$496 = 2^4(2^5 - 1) = 1 + 2 + 3 + \dots + 29 + 30 + 31 = 1^3 + 3^3 + 5^3 + 7^3,$$

$$8128 = 2^6(2^7 - 1) = 1 + 2 + 3 + \dots + 125 + 126 + 127 = 1^3 + 3^3 + 5^3 + 7^3 + 9^3 + 11^3 + 13^3 + 15^3.$$

- 496 and 8128 are **3rd and 4th Perfect Numbers.**

$$496 = 4 + 9 + 6 = 19$$

$$8128 = 8 + 1 + 2 + 8 = 19$$

- The 5th Perfect Number is 33550336
- The root number of perfect number 33550336 is also **Number 19** as

$$\begin{aligned} 33550336 &= 33 + 55 + 03 + 36 \\ &= 127 = 12 + 7 = 19 \end{aligned}$$

- The 6th Perfect Number is 8589869056
- The root number of perfect number 8589869056 is Number – 19 as:

$$\begin{aligned} 8589869056 &= 858 + 986 + 90 + 56 \\ &= 1990 = 19 + 90 = 1 + 9 + 9 + 0 = 19 \end{aligned}$$

19 = 1.....root number of all Perfect numbers except Number - 6
19Representing all Perfect Numbers except Number - 6.

19 and its Reversal 91

$$19 = 8 + 2 + 8 + 1$$

The reversal of 19 equals the square root of **8281**.

$$91 = \sqrt{8281}$$

8128 ----- 4th Perfect Number

$$8128 ----- 8 + 1 + 2 + 8 = 19$$

Reversal of Number 91 = 19

Super Cycle – 19 x 19

$$361 = (19 - 0) \times (19 + 0) = 361$$

$$361 = 19 \times 19$$

Super Cycle – 19 x 19

$$1^2 + 2^2 + 10^2 + 16^2 = 361$$

$$6^2 + 10^2 + 15^2 = 361$$

$$6^2 + 9^2 + 10^2 + 12^2 = 361$$

$$19^2 = 361$$

www.ali-pi.com

4 x 4 Magic Square of 361

| | | | |
|----|----|----|----|
| 86 | 96 | 97 | 82 |
| 91 | 88 | 87 | 95 |
| 86 | 94 | 92 | 89 |
| 98 | 83 | 85 | 95 |

All rows, columns and diagonals add to **361**

1/19 and Cyclic Number

A Cyclic number – C is an integer that – when multiplied by any number from 1 to the number of digits of 'C' – **always contains the same digits** as 'C'. Also, these digits will appear in the same order but begin at a different point.

1/19 = 0.0**52631578947368421** produces a

Cyclic Number – **52,631,578,947,368,421**

Magic square of decimals of $1/19, 2/19, 3/19, \dots, 18/19$ yielding 81 in all directions

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 |
| 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 |
| 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 |
| 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 |
| 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 |
| 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 |
| 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 |
| 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 |
| 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 |
| 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 |
| 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 |
| 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 |
| 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 |
| 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 |
| 7 | 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 |
| 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 | 9 | 4 | 7 | 3 | 6 |
| 8 | 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 |
| 9 | 4 | 7 | 3 | 6 | 8 | 4 | 2 | 1 | 0 | 5 | 2 | 6 | 3 | 1 | 5 | 7 | 8 |

4 x 4 Magic Square of 81

| | | | |
|-----------|-----------|-----------|-----------|
| 16 | 26 | 27 | 12 |
| 21 | 18 | 17 | 25 |
| 16 | 24 | 22 | 19 |
| 28 | 13 | 15 | 25 |

All rows, columns and diagonals add to **81**

$100 - 19 = 81$ and $81 + 19 = 100$

360° and 19

360°

$$360^\circ = (19 - 1)^\circ \times (19 + 1)^\circ = 360^\circ$$

3 x 3 Magic Square of 19 - 1

| | | |
|---|----|---|
| 5 | 10 | 3 |
| 4 | 6 | 8 |
| 9 | 2 | 7 |

All rows, columns and diagonals add to **19 - 1**
19 - 1 = 18

3 x 3 Magic Square of 19 + 1

| | | |
|-----------|-----------|----------|
| 6 | 11 | 3 |
| 4 | 7 | 9 |
| 10 | 2 | 8 |

All rows, columns and diagonals add to 19 + 1
19 + 1 = 20

4 x 4 Magic Square of 19 + 1

| | | | |
|---|---|---|---|
| 4 | 6 | 4 | 6 |
| 4 | 6 | 4 | 6 |
| 6 | 4 | 6 | 4 |
| 6 | 4 | 6 | 4 |

All rows, columns and diagonals add to **19 + 1**
19 + 1 = 20

Waring's Problem and 19

- **Waring conjectured in 1770 that every positive integer can be expressed as a sum of **19** biquadrates (fourth powers). This was later proven by Bal Subramanian, Deshouillers, and Dress.**
- **Every positive integer is the sum of at most **19** fourth powers.**

Multiply 19 with 19 - 19 times

- When we multiply Number – **19** with Number – **19, 19** times, we get a number

$$= \mathbf{19.78419656} \times (10 \wedge 23)$$

- The first two numbers of the result is also Number – **19**
- The sum of the next three numbers – 784 is also **19** as:

$$7 + 8 + 4 = \mathbf{19}$$

- The next two numbers is Number – **19**

19 is the 8th Prime Number

A **prime number** is an integer that is not divisible without remainder by any other integer except **1** and **that integer** itself.

| | | | | | | | | |
|----------------------------|---|---|---|---|----|----|----|----|
| The order of Prime Numbers | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| The Prime Numbers | 2 | 3 | 5 | 7 | 11 | 13 | 17 | 19 |

19 – 8th Prime Number

19 is the 8th Prime Number

$$19 + 8 = 27$$

And $27 = 3 \times 3 \times 3$ ---- all are perfect.

Product of first 8 primes + 1 is:

$$2 \times 3 \times 5 \times 7 \times 11 \times 13 \times 17 \times 19 + 1 = 9699691$$

$$9699691 = 347 \times 27953 \text{ ...Product of 2 Primes}$$

3 – Perfect Constant Radius of a Perfect Circle or Sphere

19 and Amazing Formula

19 ----- 8th Prime Number

$$19 + 8 = 27 = 9 + 9 + 9$$

$$100 - 19 = 81 = 9 \times 9$$

$$27 \times 81 = 2187$$

$$270 \times 810 = 2187,00$$

$$2700 \times 8100 = 2187,0000$$

$$27000 \times 81000 = 2187,000000 \text{ and so on.}$$

Divine Table of Eight - 8

- $1 \times 8 + 1 = 9$
- $12 \times 8 + 2 = 98$
- $123 \times 8 + 3 = 987$
- $1\ 234 \times 8 + 4 = 9\ 876$
- $12\ 345 \times 8 + 5 = 98\ 765$
- $123\ 456 \times 8 + 6 = 987\ 654$
- $1\ 234\ 567 \times 8 + 7 = 9\ 876\ 543$
- $12\ 345\ 678 \times 8 + 8 = 98\ 765\ 432$
- $123\ 456\ 789 \times 8 + 9 = 987\ 654\ 321$

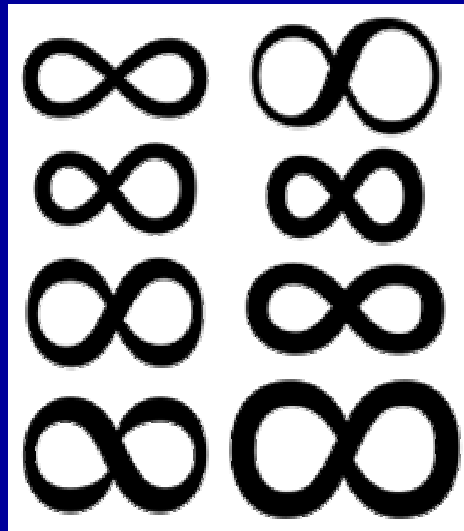


"Omnia apud me mathematica fiunt: With me everything turns into mathematics."

Descartes

8 and Infinity

8 is the only number in mathematics which is used to represent Infinity



The infinity symbol “ ∞ ”

Beauty of Eight - 8

➤ $9 \times 9 + 7 = 88$

➤ $98 \times 9 + 6 = 888$

➤ $987 \times 9 + 5 = 8888$

➤ $9876 \times 9 + 4 = 88888$

➤ $98765 \times 9 + 3 = 888888$

➤ $987654 \times 9 + 2 = 8888888$

➤ $9876543 \times 9 + 1 = 88888888$

➤ $98765432 \times 9 + 0 = 888888888$



Numbers – 19 and 16 if written upside down

- If the Number – 19 is written upside down, it would become Number -16, which contains both the Perfect numbers of 1 and 6 as Number -1 would not change if written upside down

19 --- 16

16 --- 19

9 --- 6

- The Numbers 1 and 6 are Perfect Numbers and if we add these two Perfect Numbers, we would get another Perfect Eternal Number – 7

7 = 1 + 6...Sum of Perfect Numbers

9 = 3 + 6Radius + Diameter

1 - 9 and Prime Numbers

The following are primes:

19, 109, 1009, 10009

**No other digit can replace the 9
and yield four primes.**

[Source: *NUMBERS: Fun & Facts* by J. Newton Friend;
Charles Scribner's Sons, New York (1954); Library of
Congress Catalog No. 54-8690, p. 45]

First Prime Number – 19

The first prime p such that p^2 is the reversal of a prime - **163**

361 is the reversal of the prime number – **163**

$$19^2 = 361$$

361 --- 163

163 ---- 38th Prime Number ---- 19 + 19 = 38

First 1000 Prime Numbers and 19

There are only **27 Prime Numbers** in the first 1000 Prime Numbers which end in Number – 19.

19,419,619,719,919,1019,1319,1619,2719,2819,3019,
3119,3319,3719,3919,4019,4219,4519,4919,5119,5419,
5519,6619,6719,7019,7219,7919.

7919 is also the 1000th Prime Number

19 is the 8th Prime Number

$$19 + 8 = 27$$

27 Prime Numbers in first 1000 Prime Numbers

19 and the Security Code

- **19** is the Prime Number, i.e. **19** can be divided only by itself and by 1.
- Prime Numbers are mostly the preference of intelligence services, banks, security companies, financial institutions, etc to form a security code.
- If the security code is a composite number, then it would be debatable whether the security code is formed by that composite number or its multiples.
- For example, the multipliers of 21 are 7 and 3. If the number 21 is taken as security code, then it would be questioned which number form the security code, since every number that is a multiple of 21 is a multiple of 7 and 3. So Number – **19** fulfills the requirement of a 'Security Code.'

$$190 = 19 \times 10$$

$$1+2+3+4+5+6+7+8+9+10+11+12+13+14+15+16+17+18+19 =$$

Ali 天
190

If we add the **first 19** numbers from 1 to 19, the result would be Number – 190 which is a multiple of **19**



4 x 4 Magic Square of 490

| | | | |
|------------|------------|------------|------------|
| 118 | 128 | 129 | 115 |
| 123 | 121 | 120 | 126 |
| 119 | 125 | 124 | 122 |
| 130 | 116 | 117 | 127 |

All rows, columns and diagonals add to 490
19 can be Partitioned in 490 ways

Combination of Number -19 and its reversal – 91

If we write 19 and 91 together, we see:

19 – 91 ---- 1991

$$1991 = 11 \times 181$$

- 11 --- 5th Prime Number
- 181 --- 42nd Prime Number

$$110 = 19 + 91$$

**110 is the sum of Numbers –
19 and 91.**

The reversal of 19 is 91.

6 is written as **110** in binary system

3 x 3 Magic Square of 110

| | | |
|-----------|-----------|-----------|
| 36 | 41 | 33 |
| 34 | 37 | 39 |
| 40 | 33 | 38 |

All rows, columns and diagonals add to **110**

$$19 + 91 = 110$$

19 ----- 8th Prime Number

$$19 \times 8 = 152$$

152.....77th Even Number

77.....7 + 7 = 14.....8th Even Number

152.....1 + 5 + 2 = 8 -----and 19 is the 8th Prime No.

152.....1 - 52-----52.....27th Even Number

19 ----8th Prime Number -----19 + 8 = 27

152.....15-2.....15 x 2 = 30

30.....19th Composite Number

www.ali-pi.com

15.....8th Odd Number-----19 is the 8th Prime No.

19 ----- 8th Prime Number

$$19 - 8 = 198$$

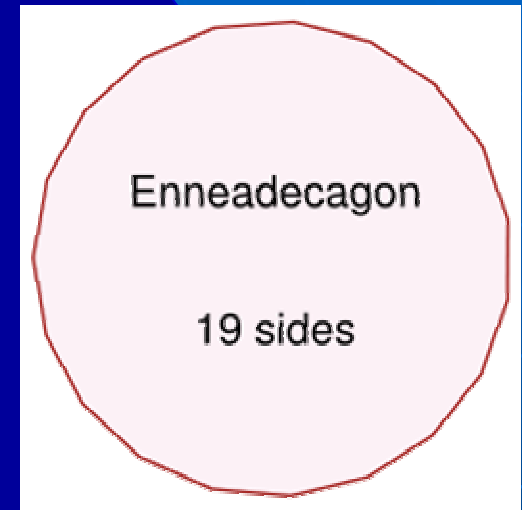
198 ----- 100th Even Number

100 ----- means 'Perfection' and
'Completion'

19-8 ----- means 'Perfection'
and 'Completion'

19 and Enneadecagon

- In geometry, an **enneadecagon** is a polygon with **19** sides and angles.
- It is also known as an **enneakaidecagon** or a **Nona decagon**.



Rule of Divisibility by 19

- The mathematical code to determine if a number is divisible by **19**. Multiply everything in front of the last digit by nine - 9 and subtract the last digit. If you get zero, nineteen, or a multiple of nineteen, the number will be divisible by **19**. For example 57. Five times nine minus seven equals 38. Since **19** divides evenly into 38, it divides evenly into 57. Next example 114. Eleven times nine minus four equals 95. Since **19** divides evenly into 95, it divides evenly into 114.
- **Professor Barabasi** and his team have found that the world wide web on average has **19** clicks of separation between web pages.

Number 19 , 8 and 36

- 19 is the **8th** Prime Number

$$19 + 8 = 27$$

- If we add the numbers from 1 to 8, we would get

$$36 = 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 = 36$$

- **36 x 10 = 360**

- **19 x 10 = 190....The sum of 19 numbers from 1 to 19**

- **360 = The sum of first 26 numbers + (3 + 6)**

$$360 = (1 + 2 + 3 + + 24 + 25 + 26) + (3 + 6) = 360$$

- **26 = 2 + 6 = 8..... 19 is the 8th Prime Number.**

- **36 = 3 + 6 = 9 = 3 (Radius) + 6 (Diameter) = 9**

- If we add first 36 numbers from 1 to 36, we would get:

$$666 = 1 + 2 + 3 + + 34 + 35 + 36 = 666$$

Famous Hardy and Ramanujan Number – 19 x 91

**19 x 91 = 1729 ... Famous Hardy and
Ramanujan Number**

$$1729 = 1 + 7 + 2 + 9 = 19$$

$$1729 = 1^3 + 12^3 = 9^3 + 10^3$$

$$19 + 91 = 110$$

In binary number system – Number – 6
which is the first and the smallest perfect
number is written as 110.

Twelve - 12 and Perfect Circle

"It is **utterly impossible** for one to accomplish the work in a physical way; it must be done metaphysically and geometrically, not mathematically. When approached in this manner, the problem is easy of solution. It is stated by occultists that the **number 12 squares the circle** and it is necessary to take into consideration the process before we can understand this; when correctly understood we know it to be perfectly true."

A. S. Raleigh, *Occult Geometry*, 1932
Reference: *The Joy of Pi*, David Blatner, Pg:102

It is possible to construct a perfect circle divided into 12 sectors of 30 Degrees each using a compass and straightedge.

12 ----- 7th Even Number (0,2,4,6,8,10,12,.....)

12 + 7 ----- 19

12 ----- 6 + 6

6 --- 1st and Smallest Perfect Number---Perfect Diameter

19 ----Perfect Circumference of a Perfect Circle

Number -30 is the 19th composite

- **Composite number** is a number of whose factors can be separated. The first 19 composite numbers are:

4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 22, 24, 25, 26, 27, 28, **30**.....

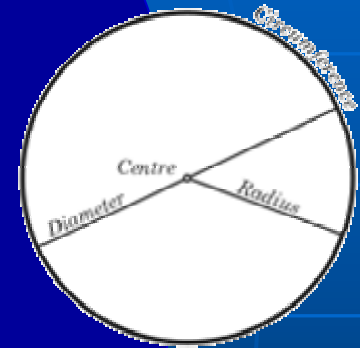
- **So Number – 30 is the 19th composite number in mathematics**
- **$30^\circ \times 12 = 360^\circ$ ----- Total Degrees of a Circle.**



Degrees and Circle

- It is possible to construct a perfect circle divided into **12 sectors of 30 degrees** each using a compass and straightedge.

$$\begin{aligned} 360 \text{ degrees} &= 12 \times 30^\circ \\ &= 360^\circ \\ &= \text{perfect circle} \end{aligned}$$



Circle of the Elliptic and 30

Astrologers divide the circle of the elliptic into **twelve (12) equal sections of 30 degrees** each. The first starts at the point where the Earth's equator, projected into space, crosses the plane of the elliptical on 21 March - the Vernal or Spring Equinox. This is the first day of the Aries, the first sign of the Zodiac. Each of the sections is allocated one of the Zodiac signs. People born under each sign are ascribed the characteristics identified with their sign.

$$12 \times 30 = 360^\circ \text{ and Number - 19}$$

- **Number – 12 is the 7th Even Number**

0,2,4,6,8,10,**12**,.....

$$12 + 7 = 19$$

- **Number – 30 is the 19th composite number in mathematics**

4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 22, 24, 25,
26, 27, 28, **30**.....

$$30 \times 12 = 360^\circ \text{ ---- Total Degrees of a Perfect Circle.}$$

5 – Platonic Solids and 19

- There are 5 Platonic Solids.
- The five – 5 platonic solids + the 13 Archimedean Solids + the surrounding Sphere = **19**.
- The sum of all the points, lines and faces of the 5 platonic solids totals – 190.

$$190 = 19 \times 10$$

The total number of corners of all the platonic and Archimedean Solids is 608

$$608 = 19 \times 32$$

- The total number of edges + the total number of faces of all the platonic and Archimedean Solids is 1482

$$1482 = 19 \times 78$$

| Solid | v | e | f |
|--------------|----|----|----|
| Cube | 8 | 12 | 6 |
| Dodecahedron | 20 | 30 | 12 |
| Icosahedron | 12 | 30 | 20 |
| Octahedron | 6 | 12 | 8 |
| Tetrahedron | 4 | 6 | 4 |

Dr. Peter's Book – 'God's Secret Formula' and 19

- The **mystery of 19** according to the theories of Peter Plichta as set out in his book "**God's Secret Formula**" is described as:

He says:

“ I understand that nature strictly divided the stable elements according to the type of their divisibility in **four nineteenth** columns. It assigned a twentieth number to each of the four categories, that stands in the table over this nineteen numbers, without violating the '**Nineteen rule**' which regulates the divisibility. The coding effect of the number 19 is distinct and clear. The whole system is subject to one **19-Code system.**”

19 – God’s Secret Formula and Chemistry Facts Of the 81 stable elements:

- The largest Neutron number for any stable isotope is 209.

$$209 = 11 \times 19$$

- From unstable element 43 to unstable element 61 inclusively we have **19 elements**.
- The total neutron number for all the stable isotopes is 30704

$$30704 = 19 \times 1616 \dots \dots \dots A$$

- The **total electron number** for all the stable elements

$$3382 = 19 \times 178 \dots \dots \dots B$$

- Therefore the **total proton number** for all the stable elements also

$$3382 = 19 \times 178 \dots \dots \dots C$$

- The addition of the above (A + B + C) = **37468**

$$37468 = 19 \times 1972 \dots \dots \dots D$$

19 and Amino Acids

- Earthly life is built on **19 left-built amino acids** and an amino acid without optical center, just as the Hamlet Shakespeare is composed also from **only 19 consonants**.
- Amino acids are not only vital but a life requirement, since they form enzymes and proteins, that are our life-bases.
- **The Duesselderfer chemist** wondered why God has decided exactly in favor of **19 + 1 amino acids?** **How would He be able to know also, that all great traditions have passed on the number 19 as the number of life?**
- With astonishment, the chemist noticed that all pure isotopes are elements with *odd atomic numbers in the periodic table*. The **19 pure isotopes with odd atomic numbers in the periodic table are:**

9, 11, 13, 15, 21, 25, 27, 33, 39, 41, 45, 53, 59, 65, 67, 69, 79, 83 ----- 19 isotopes

19 Ratios

There are exactly **19 ratios** between the number of stable isotopes an element has and its outer electron number.

Oxygen - 19

The half-life of oxygen-19 is only 19 seconds.

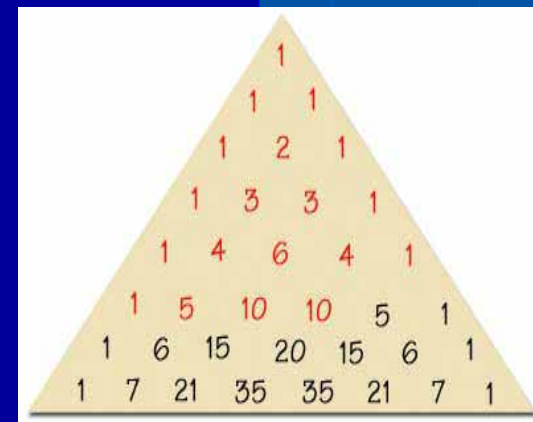
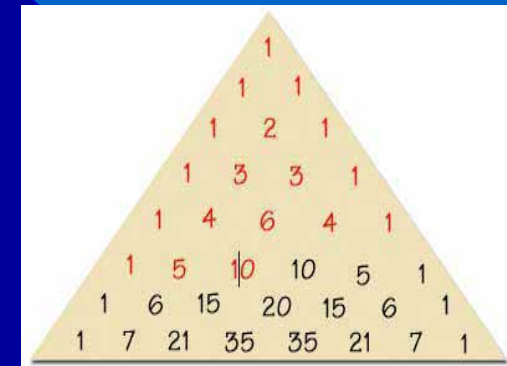
Pascal Triangle and 19

- The total of the **first nineteen (19) figures** in the Pascal triangle is 38, which is a multiple of Number - 19.

$$19 \times 2 = 38$$

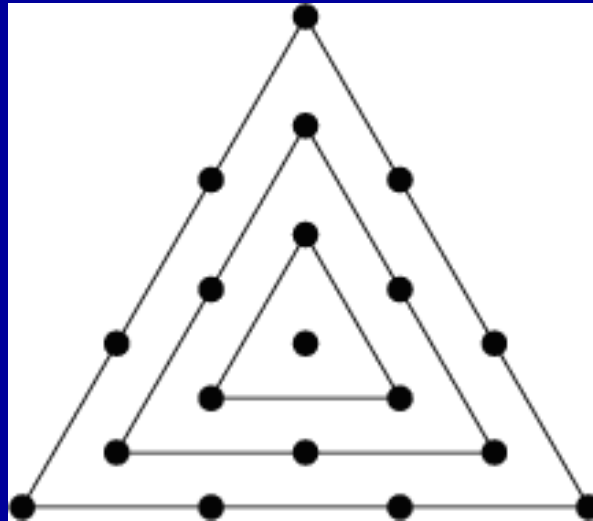
- The total of **the first nineteen (19) numbers** in the Pascal triangle is 57, which is again a multiple of Number - 19.

$$19 \times 3 = 57$$



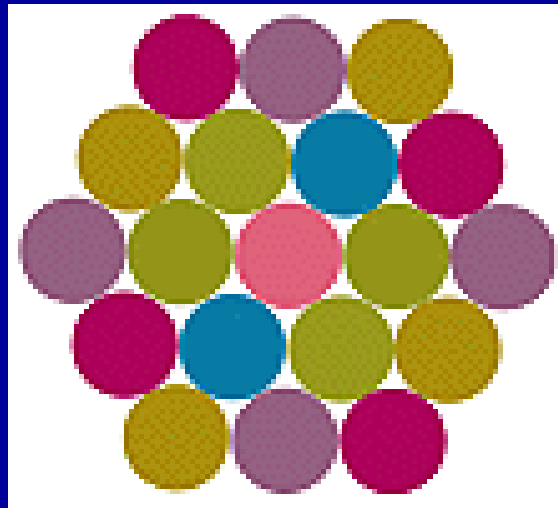
- Blaise Pascal deduced 19 theorems related to his famous triangle. **Pascal's triangle is an arithmetical one used in algebra and probability calculations.**

Nineteen (19) is the 4th centered
Triangular number.



- **Nineteen (19) is a centered hexagonal number.**
- **Nineteen (19) is an octahedral number.**

19 – Centered Hexagonal Number



This pattern of 19 circles is easy to make with coins. It shows that 19 is a 'centered hexagonal number'.

Unstable polyhedron is stable on only 1 face – with 19 faces

- **An unstable polyhedron is stable on only one face.**
- **The simplest such polyhedron known requires 19 faces and was discovered by Richard Guy.**
- **None with fewer faces have ever been found.**

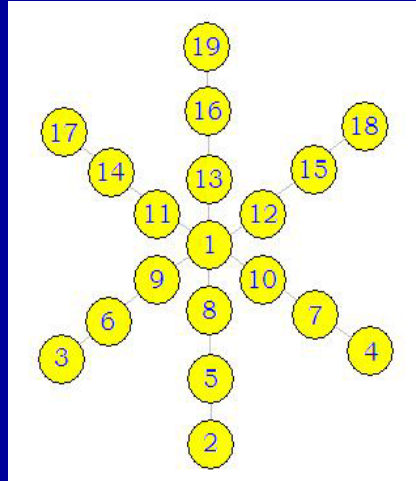
19 and Magic Hexagon

- There is only one numerically linear magic hexagon.
- It consists of the numbers 1- 19 so arranged that they add to 38 i.e. $19 \times 2 = 38$ in every direction

$$38 = 19 \times 2$$



19 and the Magic Stars



This magic star is composed of the numbers **1 to 19**. It adds to **64** along every line.

Each circle + the center also = **64**

64 = 8 x 8.....Square of 8

19.....8th Prime Number

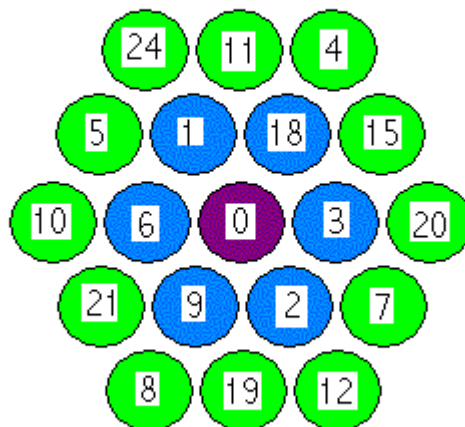
64.....33rd Even Number.....3 + 3 = 6

64.....6 is the 4th Even Number.

Magic Hexagon of 19 Tao Imbued Permutations

The 19 Tao imbued permutations can be arranged into a magic hexagon.

Magic Hexagon of the 19 Tao Imbued Permutations
(Translated from Base 3)



Adds to 39 in every direction

Statue of Liberty (USA) and 19



- The Statue of Liberty's torch shines through leaded glass, **illuminated** by **19 lamps**



Why 19 Lamps.....?

Vice President (USA) and 19 gun Salute

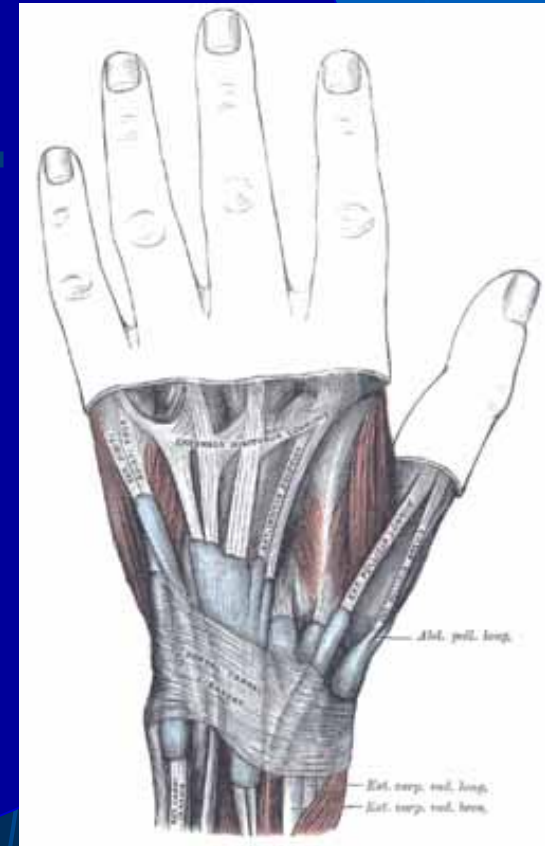


The Vice-President of the United States of America rates a 19-gun salute.

Why -19 Gun Salute ?

19 Bones of Human Hand

- All human hands have **5 fingers** with few exceptions and each human hand has **19 bones**
- **Human hand – 19 bones = 14 bones in 5 fingers + 5 bones in palm = 19 bones in each hand**



19 and the Length of Pregnancy

- 'Langman's Medical Embryology' by T.W. Sadler, is used as a textbook in most of the Medical Schools in the USA. On page 88 of the Fifth edition, it is written:

"In general the length of pregnancy for a full term fetus is considered to be 280 days or 40 weeks after onset of the last menstruation, or more accurately, 266 days or 38 weeks after fertilization."

- The numbers are 266 and 38 are both multiples of 19.

$$266 = 19 \times 14 = 266 \text{ days}$$

$$38 = 19 \times 2 = 38 \text{ weeks}$$

Number – 19 and the Astral Body

1. Intelligence
2. Ego
3. Feeling
4. Mind

Five Senses:

1. Sight
2. Hearing
3. Smell
4. Taste
5. Touch

Five Instruments of Action:

1. Mental correspondence for the executive abilities to procreate
2. Excrete
3. Talk
4. Walk
5. Exercise manual skill.

Number – 19 and the Astral Body

Continued....

Five Instruments of Life Force:

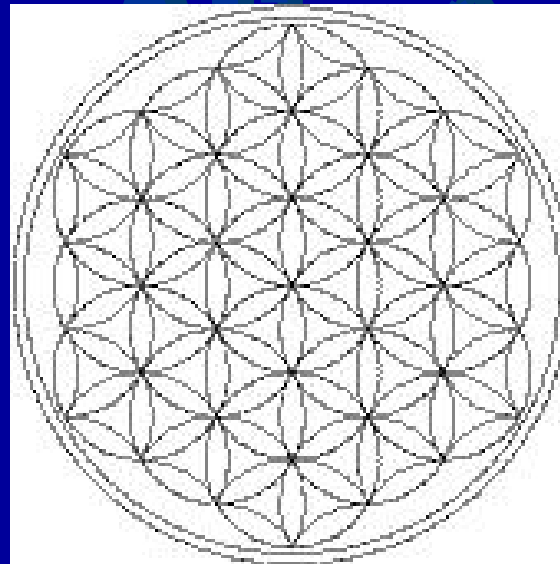
1. **Empowered to perform the crystallizing**
2. **Assimilating**
3. **Eliminating**
4. **Metabolizing**
5. **Circulating functions of the body.**

“This subtle astral encasement of **19 elements survives the death of the physical body.**

**Quoted from ‘Autobiography of a Yogi’
by Paramhansa Yogananda.**

19 and the Flower of Life Symbol

The flower of life symbol consists of **19** interlocking circles



19 and Universe

- The **number of years of the Metonic cycle** is **19.**
- **Halley's Comet** passes through the solar system once every **76 years**, which is a multiple of 19.

$$19 \times 4 = 76$$

- The Sun, Moon and Earth lineup in the same relative positions **once every 19 years.**

19 – 25 and Movement of Earth and Sun around their orbits

$$475 = 19 \times 25$$

- The days are formed as a result of the relationship between the earth and the sun. The earth revolves around its own axis **365 times** while completing its cycle around the sun and during this time the sun also revolves around itself. As the earth revolves around itself 365 times, how many times the sun must have revolved itself?

25 times exactly in total

$$25 = 19 + 6$$

- The multiplier of 25 has an important role within the context of the concept of the relationship between the sun- the earth and day. Because **a meton cycle** that is when the sun, the earth and the moon come to a same line, occurs in **every 19 years**.
- **Sun revolves around itself during the 19 years Meton Cycle.**
- The sun turns around itself - **$19 \times 25 = 475$ times in a Meton cycle.**

$19 \times 25 = 475$ times in a Meton cycle

Earth's Volume – Multiple of 19

- **Earth's volume (1.083×10^{12})** is a multiple of 19. Earth's volume is in fact a multiple of 19^2

- **Earth's Volume – 1.083×10^{12} – Multiple of 19^2**

- **Earth's Volume**
= $19^2 \times 3 \times (10^9)$

$$= 1.083 \times 10^{12}$$



Earth's Mass – Multiple of 19

- Earth's mass (5.9736×10^{24}) is a multiple of **19**

- Earth's Mass – 5.9736×10^{24} – Multiple of **19**

- Earth's Mass

$$= \mathbf{19} \times 3.144 \times (\mathbf{10^{23}})$$

$$= \mathbf{5.9736 \times 10^{24}}$$



“19 Trillion Miles to Explore in Space” – Quoted in National Geographic Magazine (Dec 2006)

■ **19** – Perfect Constant Circumference of our Expanding Universe

That is why our top scientists in **NASA** show us recently and their explanations appear in the December issue of 2006 in National Geographic as:

“**19** Trillion Miles to Explore” in Space and Universe.

- **The Scientists also changed the number of planets of Sun from 9 to 8 in 2006.**

19 is the 8th Prime Number

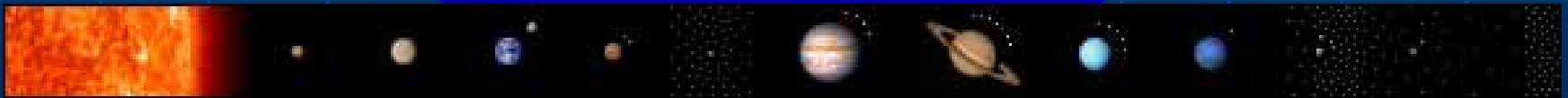
- **Why are they picking the Number – 19?** Is there any secret in this number or have they reached the conclusion that our Expanding Universe is expanding in the **multiple of 19**. Or whatever the size of our Expanding Universe would be it should be a **multiple of 19**.

Sun and 19

- Number – **19** is symbolized as '**Sun**' in Numerology and Sun has **8 planets**.
- **Sun light** takes **8 minutes** to reach Earth.
- Number – **19** is the **8th Prime Number**

“Every thing  returns to its origin”

Prophet Muhammad(PBUH)



God and Nature's Signature on the Universe

19



19 is the God and Nature's
Signature on the Universe

19 and Numerology

- In terms of numerology, 19 is the number derived from subtracting the Ultimate Answer of Life, the Universe, and Every thing, 42, and the supposed mystical and cosmic number 23.

$$42 - 23 = 19$$

Ultimate Answer of life and Universe

Bahai's Calendar and 19

19 x 19 = 361 years Super Cycle

The Bahai's calendar is structured such that a year contains **19 months of 19 days** each as well as a **19 year cycle** and a **361 year**.

$$19 \times 19 = 361$$

Chinese Calendar and 19

- Every **19 years**, the intercalary month of Chinese Calendar is inserted after the **8th month** and is called "ren ba yue" (double August). It predicts tragedy and death in popular tradition.
- Every **19 years** – intercalary month of Chinese Calendar is inserted after the **8th month**.

Number –19 is the 8th Prime Number

Bible and 19

- The **Number 19** is the Number of Flesh and Physical Manifestation. It is the basis of the Grace Manifest Holograph. It is the square root of the Number – 361.

$$361 = 19 \times 19$$

- The distribution of this word is significantly maximized in **Revelation 19** of the Inner Wheel of Revelation.
- The fundamental force of the **Nineteenth (19)** Hebrew Letter – Quph manifests in the course of World History in the Materialism of the **Nineteenth -19th Century**.

19th Hebrew Letter – Quph

Jews Calendar and Cycle of 19

- The number of years in each cycle of intercalated Hebrew calendar in which 7 of the **19 years** are leap years.
- In Hebrew or Jewish calendar, Leap years follow a **19 year schedule** in which years 3, 6, 8, 11, 14, 17 and 19 are leap years. The Hebrew year 5758 (which starts in the Gregorian year 1997) is the first year of a cycle.
- **19 years** is the same as 235 lunations in Hebrew calendar calculations. The Hebrew calendar is computed by lunations

Idiot and 19

An *idiot* is someone with an intelligence quotient (I.Q.) less than 19.



Comparison between Tables of Number – 1 and Number – 19

- If we compare between the tables of Number- 1 and Number – 19, we can clearly see that both the tables show the same results i.e. in both the tables, the numbers increase by 1.

Table of Number- 1:

- $1 \times 1 = 1$ Start
- $1 \times 2 = 2$
- $1 \times 3 = 3$
- $1 \times 4 = 4$
- $1 \times 5 = 5$
- $1 \times 6 = 6$
- $1 \times 7 = 7$
- $1 \times 8 = 8$
- $1 \times 9 = 9$
- $1 \times 10 = 10 = 1 + 0 = 1$
.... End

Table of Number – 19:

- $19 \times 1 = 19 = 1 + 9 = 10 = 1 + 0 = 1$
= 1.....Start
- $19 \times 2 = 38 = 3 + 8 = 11 = 1 + 1 = 2$
- $19 \times 3 = 57 = 5 + 7 = 12 = 1 + 2 = 3$
- $19 \times 4 = 76 = 7 + 6 = 13 = 1 + 3 = 4$
- $19 \times 5 = 95 = 9 + 5 = 14 = 1 + 4 = 5$
- $19 \times 6 = 114 = 1 + 1 + 4 = 6$
- $19 \times 7 = 133 = 1 + 3 + 3 = 7$
- $19 \times 8 = 152 = 1 + 5 + 2 = 8$
- $19 \times 9 = 171 = 1 + 7 + 1 = 9$
- $19 \times 10 = 190 = 1 + 9 + 0 = 10 = 1 + 0 = 1$
...End

- So it is quite clear from both the tables of Number – 1 and Number – 19 that they are showing the same results. Both the tables start from **Number – 1** and end on **Number – 1**

Start = 1 = End

- **Start is equal to end in both the tables of Number - 1 and Number - 19.**
- So we can say that mathematically Number -1 and Number - 19 are showing the same results in multiplication. The results are the same.

$$1 = 19 \text{ As } 19 = 1 + 9 = 10 = 1 + 0 = 1$$

$$19 = 1$$

- **All the Results of the Tables of 1, 10, 100, 1000, 10000, 100000 are same as the Table of Number - 19.**

19 and 18

19 ----- 8th Prime Number

19 ----- 10th Odd Number

19 --- 8th Prime Number + 10th Odd Number

The actual position of 19 in Numbers is:

19 ----- 18

$$360^\circ \dots\dots\dots 18 \times (1 + 19) = 360^\circ$$

100% Perfection and 19

- **100 is considered as "Complete" or "Perfect" as it is usually called as 100 %.**
- **All Perfect Numbers end either with 6 or 8.**

$$100 = (6)^2 + (8)^2$$

$$100 = (6 \times 6) + (8 \times 8)$$

$$= (36) + (64)$$

$$= (6 + 6) + (8 + 8)$$

$$= 9 + 10$$

$$100 = 19$$

- **19 is the 8th Prime Number.**
- **6 is the Perfect Constant Diameter of a Perfect Circle.**

100 and Perfection

- **The Number - 100 represent 'Perfection, completeness and fullness' in Mathematics.**

100 – Perfection – Complete – Full



100%

“Wherever there is number, there is beauty.”

Proclus (410 – 485 A.D.)

19 and 360°

$$36 \times 10^\circ = 360^\circ$$

3 – Perfect Radius of a Perfect Circle

6 – Perfect Diameter of a Perfect Circle

$$10 = 1 + (3 + 6) = 10 = 1 + 0 = 1$$

19 is the Only Number in Mathematics which has the same results as of Numbers – 1, 10, 100, 1000, 10000, 100000,.....

$$19 = 1 + (3 + 6) = 10 = 1 + 0 = 1$$

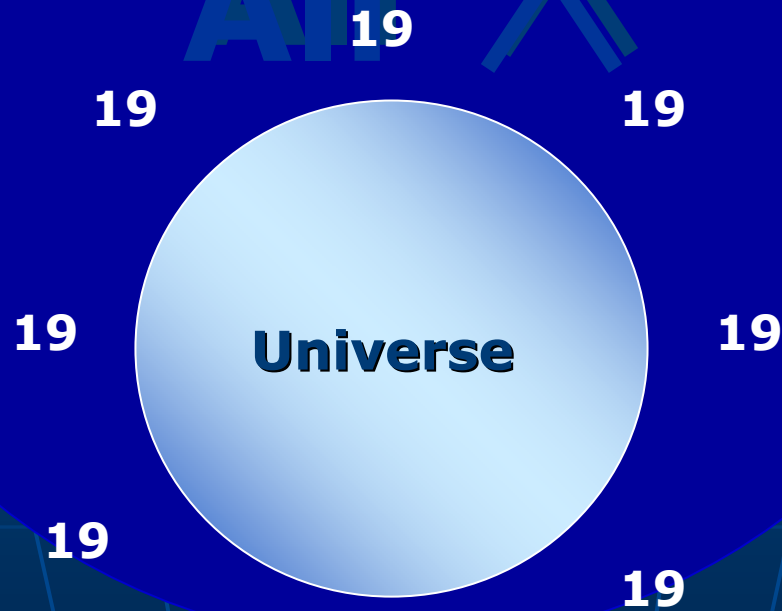
Definition of 19

19

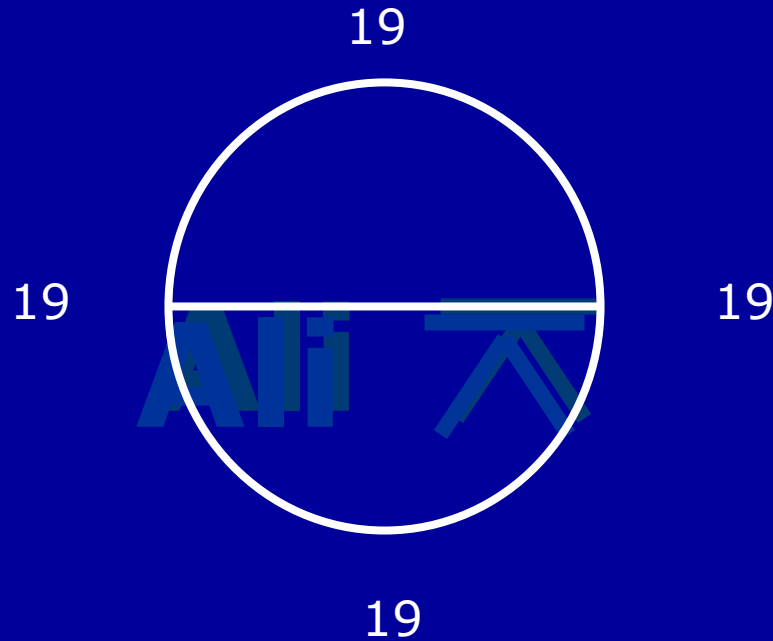
The **Number - 19** is the **Perfect Constant Circumference** of a Perfect Circle or a Perfect Sphere or a Perfect Expanding Spherical Universe.

19- GOD Signature

God's signature On the Universe



Perfect Circumference



Perfect Circumference of a Perfect Circle

19