Phase 8

Perfect Squaring the Circle with Ali Pi

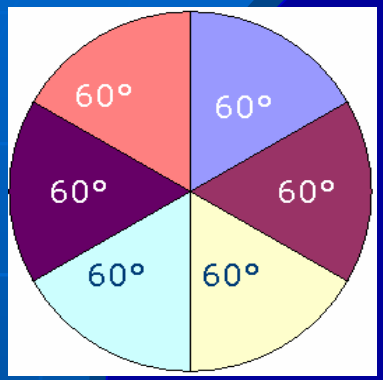
Squaring the Circle and π

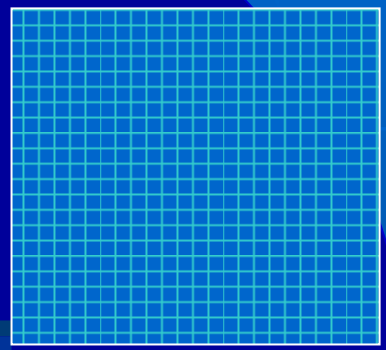
"**The Squaring of the Circle** is of great importance to the geometer-cosmologist because for him the **circle** represents pure, unmanifest spirit-space, while the **square** represents the manifest and comprehensible world. When a **near-equality** is drawn between the circle and square, the **infinite** is able to express its dimensions or qualities through the **finite**."

Robert Lawlor, Sacred Geometry, 1982

Reference: The Joy of Pi by David Blatner;Pg-95

Circle and Square





Circle – Symbol of infinity

Square – Symbol of Finity

Perfect Circle is divided in 6 equal sectors of 60°

360° = 6 x 60°

Perfect Square is divided in four equal sides of 90°

360° = 4 x 90°

6 x 60° = 360° = 4 x 90°

Secret of π in its alphabet and letters

- In the Greek alphabet, π is the 16th letter (and 16 is the square of 4). In the English alphabet, 'P' is also the 16th letter, and 'I" is the 9th letter (the square of 3).
- Add them up – 16 + 9 and you get 25 (the square of 5).
- Multiply them (16 x 9), and you get 144 (the square of 12).
- Divide 9 by 16, any you get 0.5625 (the square of 0.75).
- It's no wonder that they say,

"Pi are squared!"

Ali Pi – Squared or not?

- The numbers used in the Perfect Ali Pi are squared numbers or not? Let us see:

Ali Pi = 19/6

19 + 6 = 25 .....Square of 5

19 x 19 = 361 .....Square of 19

6 x 6 = 36.....Square of 6

3 x 3 = 9 .....Square of 3

114 x 114 = 12996.....Square of 114

57 x 57 =3249 ..... Square of 57

19/6 = 3.166666..... = $\sqrt{10} + 10^{o}$

$10 + 10^{o}$ ..... Square of 19/6

- Now add the numbers separately

19 and 6 as:

1 + 9 + 6 = 16.....Square of 4.....4 x 4 = 16

- Add the numbers of 19 as:

19 ------- 1 + 9 = 10

- And then subtract 6 from 10

10 – 6 = 4.....Square of 2

All the numbers of Ali Pi are showing that Ali pi is squared

Old Egyptian and Greek Mathematicians Dreams Come true now with Perfect Ali Pi

Squaring the Circle is Possible with Ali Pi :

- **Taking the constant values of a Perfect Circle,**
  Circumference = 19
  Radius = 3
  Diameter = 6
- **Area of a Perfect Circle = Pi x (r x r)**
- **Area of a Perfect Circle = 19/6 x (3 x 3)**
  = 28.5
- **$\sqrt{\text{Area of a Perfect Circle}} = \sqrt{(28.5)}$ = side of square**
- **The sides of a square are equal, so every side is equal to square root of 28.5 – which is a rational number.**

Old Egyptian and Greek Mathematicians Dreams Come true now with Perfect Ali Pi (Cont..)

- **Area of a Square = (side of square)²**
- **Area of a Square = 28.5**

28.5

- **Area of a Perfect Circle = Area of a Square**

28.5

28.5 = 28.5

So it is possible to square the circle.

The Area of a Square is the Area of a Perfect Circle.

Squaring the Circle With Ali Pi

Let the radius of a circle is taken as – 6
Then diameter of a circle – 12

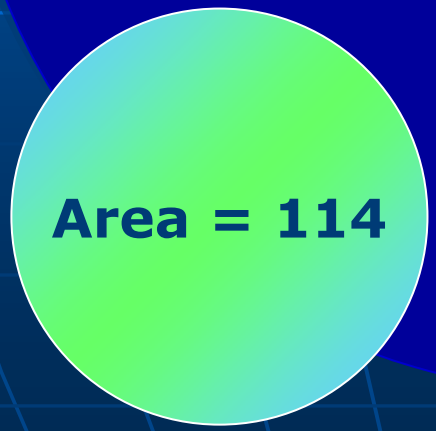
- **Using the 'Perfect Ali Pi' – 3.1666666.... = 19/6 as 'Perfect real constant'.**
- Circumference of a circle = 38
- Area of a Circle = Pi x $(radius)^2$
  = Pi x (6 x 6)
  = **114**
- Area of a Square = (side of a square x side of a square) with 4 equal and identical sides.
- **The side of a square is the square root of the 'Area' of a circle which is 114 in this case.**

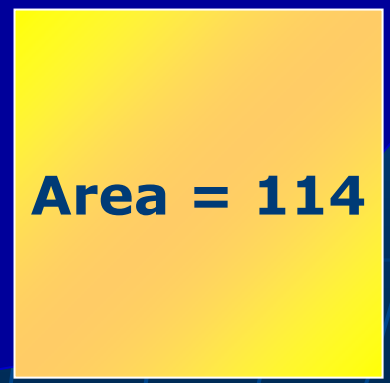
Squaring the Circle With Ali Pi (Cont..)

- **Now Area of a Square = (Square root of Area of circle) x (Square root of Area of circle)**
- **Area of a Square = 114**
  = Area of a Circle.
- **Area of a Square = Area of a Circle**

114 = 114

= Squaring the circle Proved





Squaring the Circle With Ali Pi has a Possible solution

- **The squaring of a circle or constructing a square with the same area as a given circle by using only a finite number of steps with compass and straightedge is a solved problem**
- **The unsolved mystery, riddle or mathematical puzzle is finally solved by using the 'Perfect Ali pi'**
- **Ali pi is a Perfect, rational, constant, unique, universal and fundamental number used in all circles and spheres.**

Ali Pi = 3.1666666666.....

Quadrature of Circle With Ali Pi

"The circumference of any circle being given, if that circumference be brought into the form of square, the area of that square is equal to the area of another circle, the circumscribed square of which is equal in area to the area of the circle whose circumference is first given."

John A. Parker, The Quadrature of the Circle, 1874

Reference: The Joy of Pi by David Blatner

Quadrature – Squaring the Circle and Ali Pi

- Suppose the area of the circle is 36
- Area of the circle = Pi x $(r)^2$
  = 1/4 x Pi x $(d)^2$
- Diameter = $\sqrt{[(36 \times 4 \times 6)/19]}$
- Radius = $\sqrt{[(36 \times 6)/19]}$
- Circumference = (19/6) x $\sqrt{[(36 \times 4 \times 6)/19])}$
- Pi = 19/6 = 3.166666666666666.....

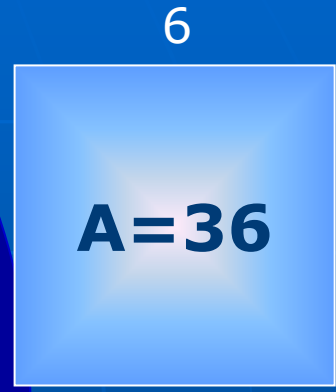
Area = 36

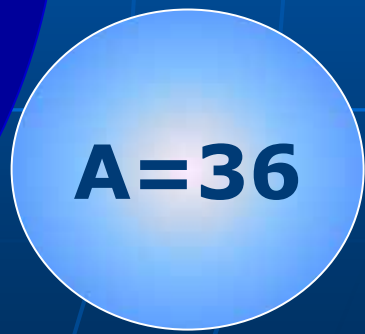
Area of a circle = Area of a Square

- Area of a Square = side of a square x side of a square

Quadrature – Squaring the Circle and Ali Pi (Cont..)

- **Side of a Square = Square root of Area of a Circle**
- **So Side of a Square = $\sqrt{36}$**
  = 6
- And all the four sides of a square are equal.
- Area of the circle = 36
  = Area of a Square
- **So Area of a Square would be = 36**
  = 6 x 6





36 = 36

Area of a Circle = Area of a Square

Illustration of squaring the Circle – Quadrature

Suppose the Area of the circle is **361**

$$\text{Diameter} = \sqrt{[(361 \times 4 \times 6)/19]}$$

$$\text{Radius} = \sqrt{[(361 \times 6)/19]}$$

$$\text{Circumference} = (19/6) \times \sqrt{[(361 \times 4 \times 6)/19]}$$

$$\text{Pi} = 19/6 = 3.166666666.....$$

Area of a circle = Area of a Square

Area of a Square = (side of a square)^2

Side of a Square = $\sqrt{\text{Area of a Circle}}$

Side of a Square = $\sqrt{361}$

And all the four sides of a square are equal.

Illustration of squaring the Circle – Quadrature (Cont..)

Area of the circle = 361 = Area of a Square

$$\text{Area of a Square} = \sqrt{\text{Area of Circle}} \times \sqrt{\text{Area of a Circle}}$$

$$\sqrt{\text{Area of a Circle}} = \sqrt{361} = 19$$

So Area of a Square would be = 361

A=361

A=361

$$\text{Side of a square} = \sqrt{361} = 19$$

361 = 361

Area of a Circle = Area of a Square

Quadrature proved

Squaring of Circle is now an easy problem with Ali Pi.

"…..mathematical proofs, like diamonds, are hard and clear, and will be touched with nothing but strict reasoning."

(Nikolai Lobatchevsky)

Rectification of a Circle

- **Rectification of a circle is another unsolved geometry problem. But it is now possible with Perfect Ali Pi – 3.16666666666.....**
- **Rectification of the circle means constructing an ideal straight line equal in length to the circumference of the circle.**
- **With this Ali pi = 3.166666666666666..... we can rectify the circle easily now.**

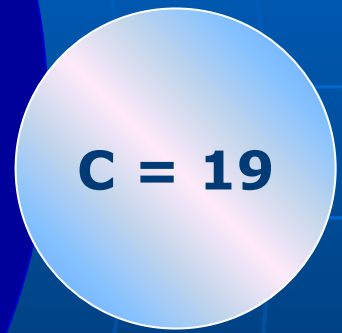
Proof of Rectification of the Circle

1. If the diameter of a circle is 6, then circumference of a circle is 19, we can draw a straight line of 19.

2. If the diameter of a circle is 36, then circumference of a circle is 114 , we can draw a straight line of 114.

3. If the diameter of a circle is 114, then circumference is 361, we can draw a straight line of 361.

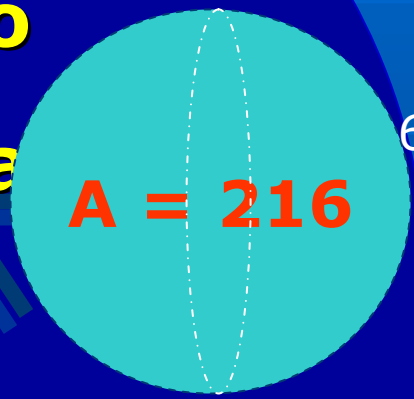
4. If the diameter of a circle is 60, then circumference is 190, we can draw a straight line of 190.

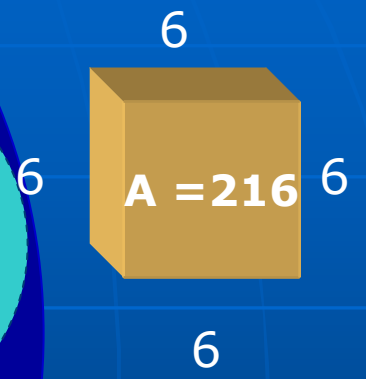


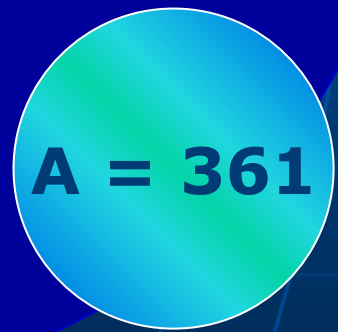
Length = 19

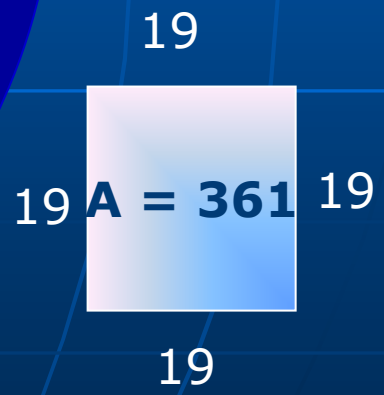
Sphering the Cube and Circling the Square With Ali Pi

- It is also now **possible to make a sphere from the cube and to make a circle with a square now** with the 'Perfect Ali Pi'.
- In this case, a Sphere whose surface area should be equal to the surface area of a Cube
- The area of a circle would be equal to the area of a square.









Circling the Square

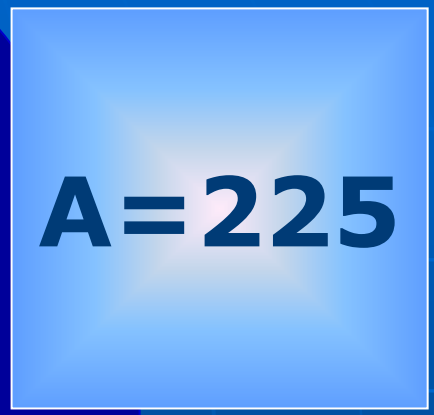
- Suppose the area of a magic square
  = 15 x 15
  = 225

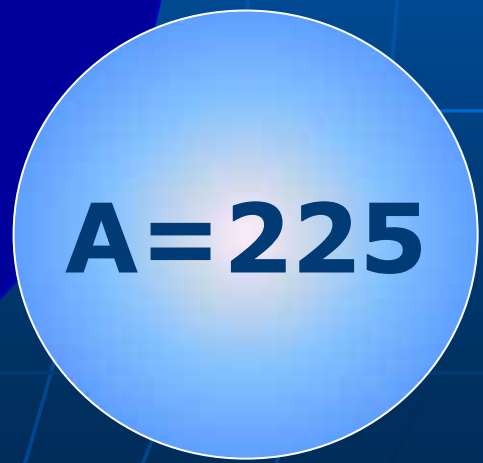
Area of a Circle = Area of a Square

- **Area of a Circle = Pi x (radius) ²**
  = 225

- **Radius² = 225 x 6/19**

- **Radius = $\sqrt{[(225 \times 6)/19]}$**





Circling the Square (Cont..)

- Diameter = $\sqrt{[(225 \times 4 \times 6)/19]}$
- Circumference = $(19/6) \times \sqrt{[(225 \times 4 \times 6)/19]}$
- Area of a Circle = Pi x $(\text{Radius})^2$
- Area of a Circle = $(19/6) \times [(225 \times 6)/19]$
- Area of a Circle = $19/6 \times [(225 \times 6)/19]$
  $= 225$

Area of a Circle = 225 = Area of a Square

Cubing the Perfect Sphere – Another Remarkable Milestone in Mathematics

Suppose the Area of a sphere = 216.

- **Radius of a sphere = $\sqrt{(1296/76)}$**
- **Diameter of a sphere = $2 \times \sqrt{(1296/76)}$**

Pi = 19/6
= 3.166666……..

- **Area of a sphere with radius equal to = $4 \times \text{pi} \times (r)^2$**
  = 216

Area of a sphere = Area of a cube

- **Where Area of a cube = 6 (a x a)**
- **And a = one side of a cube, which has 6 equal sides.**

Cubing the Perfect Sphere – Another Remarkable Milestone in Mathematics (Cont..)

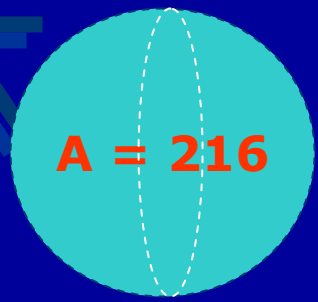
216 = 6 (a x a)

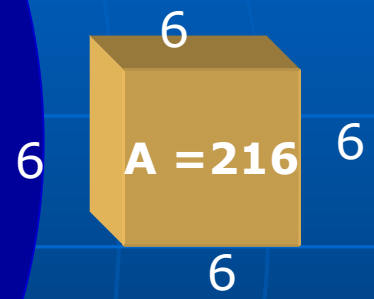
(a x a) = 6 x 6 = 36

- Take the square root on both sides to get the value of **a**

$$a = \sqrt{36}$$

$$a = 6$$





- **So Area of a Cube = 6 (6 x 6)**
  = 216.

216 = 216

Area of a Sphere = Area of a Cube

"The science of mathematics presents the most brilliant example of how pure reason may successfully enlarge its domain without the aid of experience."

Emmanuel Kant

Cubing the Sphere with Ali Pi

Suppose the
Area of a sphere with $= 4 \times \text{pi} \times (r)^2$
$= 2166$

Pi = 19/6 = 3.166666666…….

Radius of the sphere is – $\sqrt{171}$
Diameter would be – 2 x $\sqrt{171}$

Area of a sphere = Area of a cube

Where Area of a cube = 6 (a x a)

- **And a = one side of a cube, which has 6 equal sides.**

Cubing the Sphere with Ali Pi (Cont..)

$$2166 = 6\,(a \times a)$$

- **So $(a \times a) = 361$**
- Take the square root on both sides to get the value of a
- **So $a = \sqrt{361} = 19$**

Area of a Cube = 6 x (19 x 19)

So Area of a Cube = 2166

2166 = 2166

Area of a Sphere = Area of a Cube

Sphering the Cube with Ali Pi

Surface Area of a Cube = 6 (a x a)

Suppose a = 1

Pi = 19/6 and 'r' is the radius of a Sphere.

Surface Area of a Cube = **6 x (1 x 1) = 6**

Surface Area of a Cube = Surface Area of a Sphere

Surface Area of a Sphere = 4 x Pi x (r x r) = 6

= 4 x (19/6) x (1 x 1)

$$\text{radius}^2 = 6 \times (6/19) \times (1/4)$$

$$\text{Radius} = \sqrt{[6 \times (6/19) \times (1/4)]}$$

Sphering the Cube (Cont..)

Radius of a Sphere = $\sqrt{36/76}$

- **Diameter of a Sphere = 2 x Radius of a Sphere**
  = 2 x$\sqrt{}$ [36/76)]
- **Diameter of a Sphere = 2 x $\sqrt{36/76}$**
- Circumference = (19/6) x Diameter of Sphere of a Sphere
  = (19/6) x 2 x $\sqrt{36/76}$
- **Circumference of a Sphere =(19/6) x 2$\sqrt{36/76}$**

Sphering the Cube with Ali Pi (Cont…)

- **Surface Area of a Sphere = 4 x Pi x (r x r)**
  = Pi x (d x d)
- **Area of Sphere = (19/6) x 2 x $\sqrt{36/76}$ x 2 x $\sqrt{36/76}$**
- **Surface Area of a Sphere = 6.**
- **Surface Area of a Sphere = Surface Area of a Cube**
  = 6

6 = 6

- **Sphering the Cube is proved with the 'Perfect Ali Pi' with all the rational and real values of 'Radius, Diameter and Circumference of a Sphere'.**