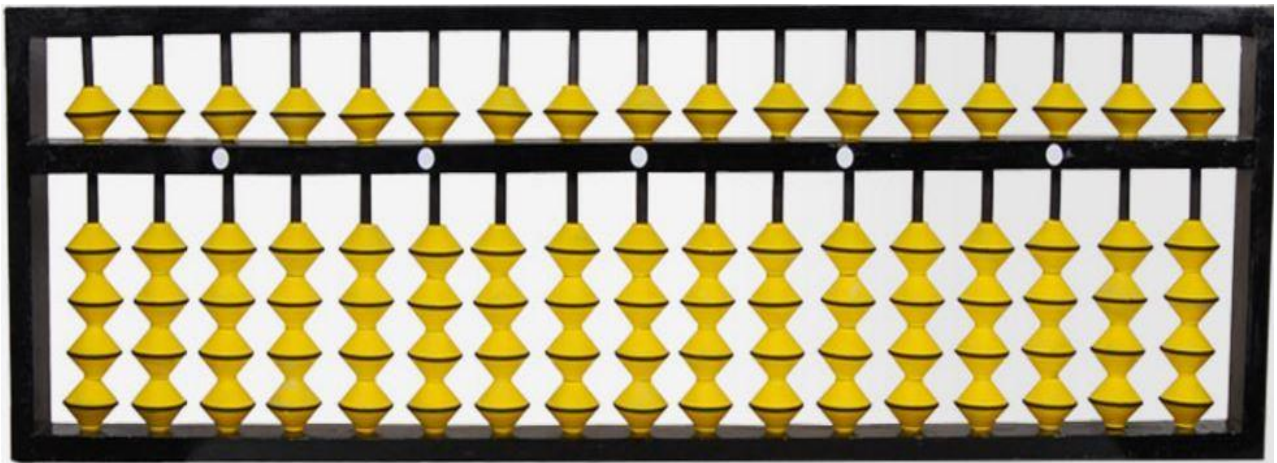


ABOUT ABACUS & BENFITS

Abacus is a simple tool or a hardware used for performing rapid arithmetic calculations. Calculations based on abacus was invented at ancient times in china which later on spread through countries like Korea, Japan, Taiwan etc. and now widely used as a whole **Brain Development Programme.**



Standard 17 Rod Abacus

The standard abacus can be used to perform Addition, Subtraction, Division and Multiplication; the abacus can also be used to extract square-roots and cubic roots. The beads are manipulated with either the index finger or the thumb of one hand

Abacus became popular over the world after being transformed from a calculating instrument into a system having Immense Power to Benefit **children of small ages (5 to15years)** by expanding the brain usage, in addition to making Maths

learning easy and effective also abacus enhance child's confidence, provide a sense of achievement, promote intuitive thinking, enhance problem-solving capability, enhance creativity, and improve concentration and mental endurance.

It is a scientific fact that human brain growth is at its peak potential in early childhood; it's also a fact that all children process information differently. With the proper guidance and tools, **children aged 4 to 14** years are capable of mastering mathematical skills and calculating ability that will yield benefits that last a lifetime.

Scientific analyses indicate Abacus training can improve a child's ability to:

Concentrate, Visualize, Memorize

Observe and process information.

But How Can It Accomplish All That, And So Much More With Abacus?

Our brain has two hemispheres, the left brain and the right brain. The left brain is concerned with language, number skills, reasoning, scientific skills, spoken language and right hand control.

The right brain is concerned with art awareness, imagination, visual functions, emotions, music awareness, 3D forms and left hand control.

In summary, the left brain is for analytical tasks, whereas the right brain is for creative tasks.

About 95% of our children use only the left brain, but when we practicing ABACUS, children use a combination of right-left brain combination and it helps us to develop the right brain. In the Abacus (Mental Calculation) stage kids are visualizing the abacus to do calculations. This utilizes the left brain for logic and math and the right brain for visualizing the abacus, the beads and their position.

It means to be sharp in creativity, imagination, music and art awareness ABACUS has an important role in a child's life

An Overview of the Functions Performed By Left Vs Right Given Below:

LEFT BRAIN FUNCTIONS

Right side of body control

Number skills

Math/Scientific skills

Written language

Spoken language

Objectivity

Analytical

Logic

Reasoning

RIGHT BRAIN FUNCTIONS

Left side of body control

3-D shapes

Music/Art awareness

Intuition

Creativity

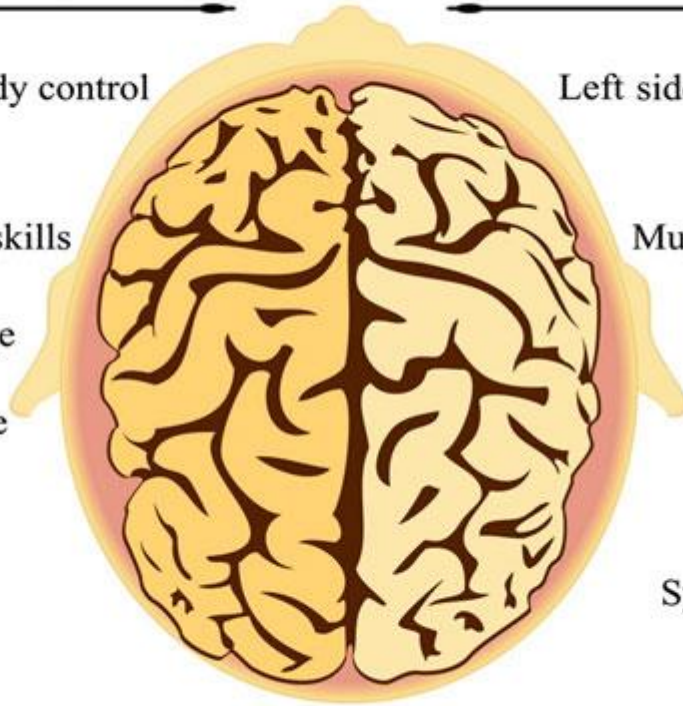
Imagination

Subjectivity

Synthesizing

Emotion

Face recognition



Why Abacus Is Necessary?

Like any other organ of human body, our brain also needs regular exercise to keep it fit and sharp but how do we exercise our brain? Mathematics provides the ideal exercise for our brain. Mathematics is the logical application of mind to tackle a particular problem. More time spent with mathematics would invariably result in a well exercised and a sharper brain. This is simply the reason why a child strong at mathematics is able to tackle other subjects with relative ease.