

VEDIC

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MATHS

INTRODUCTION

Vedic Mathematics is a system of mathematics that originated in ancient India, around 1500-400 BCE, and is based on a set of 16 sutras, or aphorisms, as well as a number of sub-sutras. These sutras serve as principles and techniques to solve mathematical problems quickly and efficiently. The term "Vedic" comes from the Sanskrit word "Veda," which means knowledge.

The origin of Vedic Mathematics is attributed to the ancient Indian mathematician Bharati Krishna Tirthaji, who rediscovered and reconstructed this ancient system from the Vedas, ancient Indian scriptures. Vedic Mathematics is known for its simplicity and flexibility, allowing for mental calculations with ease. It covers various branches of mathematics such as arithmetic, algebra, calculus, and geometry. Today, Vedic Mathematics is taught in schools and educational institutions worldwide as a supplementary method to conventional mathematics, helping students improve their calculation skills and mathematical aptitude.

BENEFITS:-

Vedic mathematics provide a unique way of solving mathematical problems. When it comes to teaching, Vedic math offers several benefits.

- One of the key advantages is that it helps improve mental calculation skills. By learning Vedic math techniques, kids can perform complex calculations quickly and mentally, without relying heavily on calculators or paper and pencil.

- Additionally, Vedic math can enhance kids' problem-solving abilities. The techniques involved in Vedic math encourage children to think creatively and approach problems from different angles.
- This can help them develop a deeper understanding of mathematical concepts and improve their overall problem-solving skills. Moreover, Vedic math can boost kids' confidence in math.
- As they master the Vedic math techniques and see how quickly and accurately they can solve problems, children's self-esteem and confidence in their mathematical abilities tend to increase.

In conclusion, introducing kids to Vedic mathematics can be highly beneficial for their mathematical development. It not only improves mental calculation skills and problem-solving abilities but also boosts confidence in math. By incorporating Vedic math techniques into their learning, kids can develop a strong foundation in mathematics and cultivate a love for numbers and problem-solving.

HOW IS VEDIC MATHS ROOTED TO VEDAS

Vedic mathematics is a unique system of mathematics that finds its roots in the ancient Indian scriptures known as the Vedas. The Vedas are a collection of ancient texts that are considered to be among the oldest sacred scriptures of Hinduism. Vedic mathematics is believed to have been rediscovered from the Vedas by Bharati Krishna Tirtha, who was the Shankaracharya (spiritual leader) of the Govardhan Matha in Puri between 1925 and 1960.

The connection between Vedic mathematics and the Vedas lies in the methods and techniques of mathematical calculations that are described in the Vedas. These techniques are said to be efficient, easy to understand, and quick to apply. They cover a wide range of mathematical topics such as arithmetic, algebra, geometry, and calculus. By studying and applying these Vedic mathematical techniques, one can solve complex mathematical problems with ease.

A QUICK OVERVIEW OF MODERN MATHS V/S VEDIC MATHS

Vedic Mathematics, based on ancient Indian techniques, provides methods to solve mathematical problems more efficiently compared to traditional methods. One such example is the multiplication of numbers with close bases. For instance, when multiplying 98 by 96 using Vedic Mathematics, you can solve it in one step by recognizing that both numbers are close to 100. You would multiply the difference from 100 (2 and 4) to get 8 and then subtract this from the bases to get 9408 as the result.

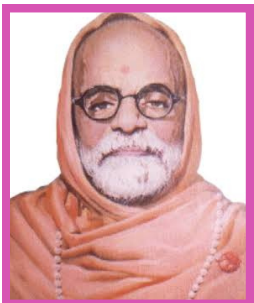
In contrast, using modern multiplication methods, you would typically multiply each digit individually, then add the results together in multiple steps. This approach can be more time-consuming and involve more steps compared to the Vedic Mathematics method. While both

methods ultimately yield the same result, Vedic Mathematics can often provide quicker solutions for certain types of problems, showcasing the efficiency of its techniques in solving mathematical equations.

ANURUPYENA SUTRA EXAMPLE :-

Anurupyena	
Modern Method	Vedic Math Method
46 X 43	46 -4
	X 43 -7
	1 9 7 8
46	
X 43	
138	
184 X	
1978	

BHARATI KRISHNA TIRTHAJI



Indian mathematician Bharati Krishna Tirthaji is often credited with rediscovering and popularizing Vedic Mathematics in the 20th century, the techniques themselves are believed to be much older.

Bharati Krishna Tirthaji claimed that he found a set of sixteen Sutras, or word-formulae, and thirteen sub-sutras, which he believed were the key to solving mathematical problems quickly and efficiently. These Sutras cover various mathematical operations such as multiplication, division, square roots, and so on.

1. **What is Vedic Maths?**

Vedic Maths is a system of mathematics based on ancient Indian teachings called the Vedas. It offers techniques and shortcuts to solve mathematical problems quickly and efficiently. These methods are known for their simplicity and effectiveness in calculations.

2. **Who can benefit from learning Vedic Maths?**

Vedic Maths can benefit students, teachers, professionals, and anyone looking to improve their mathematical skills. It can be particularly useful for students preparing for competitive exams or anyone looking to enhance their mental math abilities.

3. **Are Vedic Maths techniques difficult to learn?**

Vedic Maths techniques are designed to be easy to understand and apply. With practice and guidance, anyone can learn and master these methods. Many find that Vedic Maths not only makes math more enjoyable but also boosts their confidence in handling numbers.

4. **How can I learn Vedic Maths?**

There are several resources available to learn Vedic Maths, including books, online courses, and workshops. By dedicating some time to practice these techniques regularly, you can improve your speed and accuracy in mathematical calculations.

5. **What are the benefits of Vedic Maths?**

Some benefits of learning Vedic Maths include increased speed in calculations, improved mental agility, enhanced problem-solving skills, and a deeper understanding of mathematical concepts. It can also help in reducing math anxiety and making math more fun and engaging.