

# Vedic Speed Mathematics (वैदिक गणित)

- **Course Name:** Vedic Speed Mathematics
- **Course Code:** VSM
- **Instructor:** Chaitanya Patil ([Instructor Profile](#))
- **Frequency:** 1 Session per week. 1 Session = 75 minutes.
- **Fees:** Refer below table.
- **Note:** You can enroll for any levels as per your requirements.
- **Get FREE eBook and Video Course**
- **Duration:** 25 Hours Approx. (10 Weeks Approx.)
- **Note:** First Session is completely FREE and open to all. Make Full Payment only after 1<sup>st</sup> FREE session and if interested to continue.
- Reach us for more details.
- **Note:** Reach us for Advanced Python Programming, Python for Data Science, Vedic Speed Mathematics (FREE) and all other IT Courses.
- **More Info:** [www.Speed16.com/training](http://www.Speed16.com/training)
- **Contact:** [info@speed16.com](mailto:info@speed16.com) OR +91-97640-58-654 OR Direct Whatsapp (<https://wa.me/919764058654/?text=Hi>) OR Direct Telegram (<https://t.me/CP512>)

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- ✚ Contact: Chaitanya Patil [info@speed16.com](mailto:info@speed16.com) +91-97640-58-654 [Direct Whatsapp](#)

## What is Vedic Speed Mathematics?

Vedic Speed Mathematics (or Vedic Maths or vm) is a collection of simple one liner formulas to solve mathematical problems in easy and faster way. It is Ancient India's Amazingly Compact, Powerful & World's Fastest Mental Calculation System. One can solve Mathematical problems in just few seconds. Students just love it.

## Benefits of Learning Vedic Speed Mathematics:

- ✚ Become Human Bio-Calculator and Mathe-Magician in 21 Days
- ✚ Solve Complex Problems in just Few Seconds
- ✚ Come Out of Maths Phobia

## Highly Useful For:

- ✚ Students (School and College Goers).
- ✚ Parents (Self Learning & Teaching their Kids)
- ✚ Mathematics Teachers and Math Lovers
- ✚ Job Seekers
- ✚ Various Competitive, Entrance & Aptitude Exams where fast calculations are required.

**Study Materials:** [www.Speed16.com/learn](http://www.Speed16.com/learn) and [www.Speed16.thinkific.com](http://www.Speed16.thinkific.com)

## Minimum Age/Grade Requirements (Recommended):

- Level-1: (9 Years or 4<sup>th</sup> Grade)
- Level-2: (12 Years or 6<sup>th</sup> Grade)
- Level-3: (15 Years or 9<sup>th</sup> Grade)

## Syllabus in Brief:

Level-1 (Arithmetic):	Level – 2 (Arithmetic):	Level – 3 (Algebra):
1. Multiplication	1. Squares	1. Polynomials
2. Division	2. Square Roots	2. Factorization
3. Addition	3. Cubes	3. Highest Common Factor (HCF)
4. Subtraction	4. Cube Roots	4. Simple Equations
5. Introduction to Vedic Speed Mathematics	5. Digit Sums	5. Quadratic Equations
	6. Divisibility	6. Cubic Equations
	7. Decimals, Fractions and Percentages	7. Biquadratic Equations
		8. Simultaneous Equations

Level-1	3999 INR
Level-2	3999 INR
Level-3	3999 INR

## Level – 1

Class No.	Topics
1	Introduction to Vedic Speed Mathematics & Some Random Examples
2	Base Method of Multiplication (Case -1 & 2)
3	Base Method of Multiplication (Case -3, 4 & 5)
4	Base Method of Multiplication - Practice
5	Criss Cross Method of Multiplication (2*2; 3*3)
6	Criss Cross Method of Multiplication (4*4; 5*5 & so on)
7	Criss Cross Method of Multiplication – Practice
8	Addition
9	Subtraction
10	Squares
11	Cubes
12	Revision
13	Revision / Test

## Level – 2

Class No.	Topics
1	Revision of Level – 1.
2	Cube Roots
3	Square Roots
4	Divisibility
5	Decimals, Fractions
6	Percentages
7	Division using Transpose & Apply Method
8	Division using Transpose & Apply Method
9	Division using Transpose & Apply Method
10	Division using Flag Method
11	Revision
12	Revision / Test

## Level-3

Class No.	Topics
1	Revision of Level 1 and Level 2
2	Introduction to Polynomials; Multiplication of Polynomials
3	Division of Polynomials
4	Factorization
5	Factorization and Highest Common Factor (HCF)
6	Simple Equations
7	Quadratic Equations
8	Quadratic Equations
9	Cubic Equations
10	Biquadratic Equations
11	Simultaneous Equations
12	Revision
13	Test

## Syllabus in Detail:

### Level-1

1. Introduction to Vedic Speed Mathematics
  - 1.1 List of Formulas and their Meaning
  - 1.2 List of Corollaries and their Meaning
  - 1.3 Formulas: Meaning and Usage
  - 1.4 Corollaries: Meaning and Usage

2. Multiplication
  - 2.1 Base Method
  - 2.2 Criss Cross Method
  - 2.3 Special Cases
    - 2.3.1 Multiplying numbers with repeating 9's
    - 2.3.2 When final digits added up gives power of 10
    - 2.3.3 Multiplication by 11
    - 2.3.4 Multiplication by 12
    - 2.3.5 Multiplication by 5, 25 and 125
    - 2.3.6 Multiplication Tables
3. Division
  - 3.1 Division using Transpose and Apply
    - 3.1.1 Vinculum Numbers
    - 3.1.2 Above Working Base
    - 3.1.3 Below Working Base
  - 3.2 Division using Flag Method
4. Addition
  - 4.1 Right to Left Addition using Purification
  - 4.2 Other Scenarios
5. Subtraction
  - 5.1 Subtraction Using Base Method
  - 5.2 Subtraction using Purification
  - 5.3 Other Scenarios

## **Level – 2**

1. Squares
  - 1.1 Squares of numbers ending with Digit 5
  - 1.2 Squares Using Surpluses and Complements
  - 1.3 Squares Using Criss Cross Method
2. Square Roots
  - 2.1 Case 1 (Square Roots of Perfect Square Numbers)
  - 2.2 Case 2 (Square Roots of Perfect & Imperfect Square Numbers)
3. Cubes
  - 3.1 Cubes Using Surpluses and Complements
  - 3.2 Cubes Using Criss Cross Method
4. Cube Roots
  - 4.1 Case 1 (Cube Roots of Perfect Cube Numbers)
  - 4.2 Case 2 (Cube Roots of Perfect & Imperfect Cube Numbers)
5. Divisibility

- 5.1 Divisibility Rules
- 5.2 Positive Osculators
- 5.3 Negative Osculators

- 6. Decimals, Fractions and Percentages
  - 6.1 Conversion
  - 6.2 Basic Operations on Decimals
  - 6.3 Basic Operations on Fractions
  - 6.4 Percentages
  - 6.5 Types of Decimals
  - 6.6 Reciprocals

## **Level - 3**

- 1. Polynomials
  - 1.1 Multiplication using Criss Cross Method
  - 1.2 Division using Transpose and Apply
- 2. Factorization
  - 2.1 Type I: Simple Quadratic Polynomials
  - 2.2 Type II: Homogeneous Quadratic Polynomials
  - 2.3 Type III: Difficult Homogeneous Quadratic Polynomials
  - 2.4 Type IV: Cubic Polynomials
- 3. Highest Common Factor (HCF)
  - 3.1 Finding HCF using Sutra
- 4. Simple Equations
  - 4.1 Solution to Different Types of Examples
  - 4.2 Solution using “If the Set is same, it is ZERO”
- 5. Quadratic Equations
  - 5.1 Solution using Calculus
  - 5.2 Verification using Calculus
  - 5.3 Reciprocals “By Mere Observation”
  - 5.4 Solution using “If the Set is same, it is ZERO”
- 6. Cubic Equations
  - 6.1 Solution using “By the Completion Non Completion”
  - 6.2 Solution using “by Mere Observation”
  - 6.3 Different Cases
- 7. Biquadratic Equations
  - 7.1 Solution using “By the Completion/Non Completion”
  - 7.2 Solution using “By Mere Observation”
  - 7.3 Different Cases
- 8. Simultaneous Equations
  - 8.1 Solution using Cross Method
  - 8.2 Solution using “If one is in Ratio, the other is ZERO”
  - 8.3 Solution using “By Addition and Subtraction”

**Contact:**

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