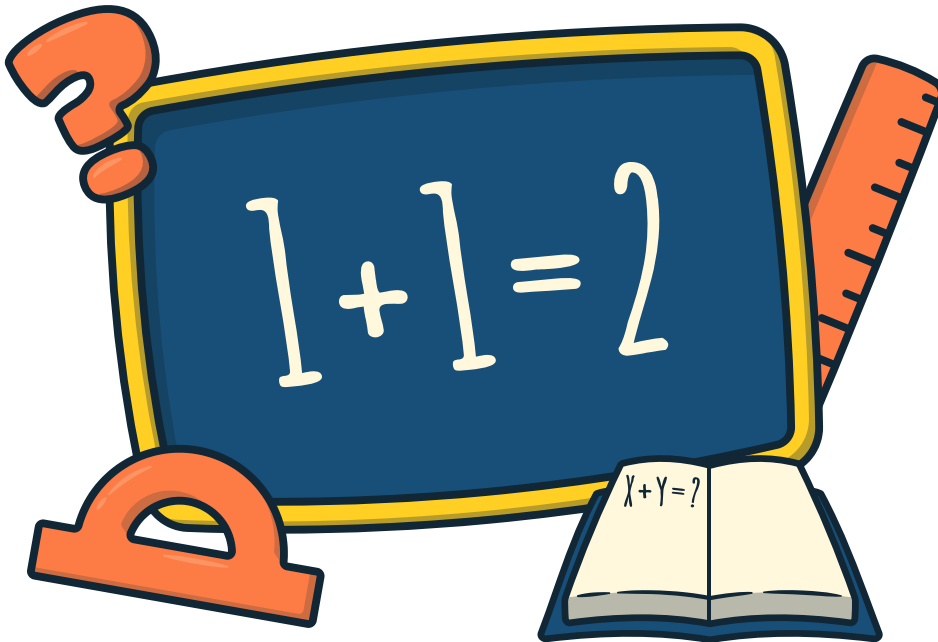


SKILLUP JUNIORS

VEDIC MATHS SYLLABUS

Class 5-6

FOUR CLASSES IN A WEEK



STARTUP 1 MONTH PROGRAM

WEEK 1: TABLES

WEEK 2: SIMPLE ADDITIONS & SUBTRACTIONS

WEEK 3: SIMPLE MULTIPLICATIONS

WEEK 4: DIVISION & TEST

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TOPICS

Introduction & Basics

- Introduction to Vedic Maths – history, benefits, and sutras overview.
- Activity: Storytelling, simple mental math challenges.

- Sutra 1 – Ekadhikena Purvena (By one more than the previous one).
- Activity: Quick tricks for multiplying numbers ending in 9.

Sutra 2 – Nikhilam Navatashcaramam Dashatah (All from 9 and the last from 10). Activity: Subtraction using complements.

Simple multiplication using Nikhilam method (numbers near base 10, 100).

Practice session – worksheets, speed drills.

Mental addition shortcuts.

Revision & quiz.

Multiplication Techniques

Multiplication of 2-digit numbers close to 100.

Multiplication of numbers above base (e.g., 101×103).

Cross multiplication using Urdhva Tiryagbhyam (Vertically & Crosswise)

2-digit \times 2-digit multiplication practice.

3-digit \times 3-digit multiplication using Urdhva Tiryagbhyam.

Word problems involving multiplication.

Revision & speed test.

Division & Fractions

Division using Nikhilam method (numbers near base).

Division using Paravartya Yojayet (Transpose & Apply).

Short division tricks for small numbers.

Fractions simplification using Vedic methods.

Conversion of fractions to decimals quickly.

Practice session – division & fractions.

Revision & quiz.

Squares & Square Roots

Squaring numbers ending in 5 using Ekadhikena Purvena.

Squaring numbers near base (e.g., 98^2 , 102^2).

General squaring using Urdhva Tiryagbhyam.

Square roots using approximation methods.

Practice session – squaring & square roots.

Application in word problems.

Revision & speed test.

Cubes & Cube Roots

Cubing numbers ending in 1, 9.

Cubes using algebraic identities with Vedic shortcuts.

Cube roots using digit analysis.

Practice session – cubes & cube roots.

Application in problem-solving.

Mental math competition (group activity).

Revision of all topics.

Final assessment & fun quiz.