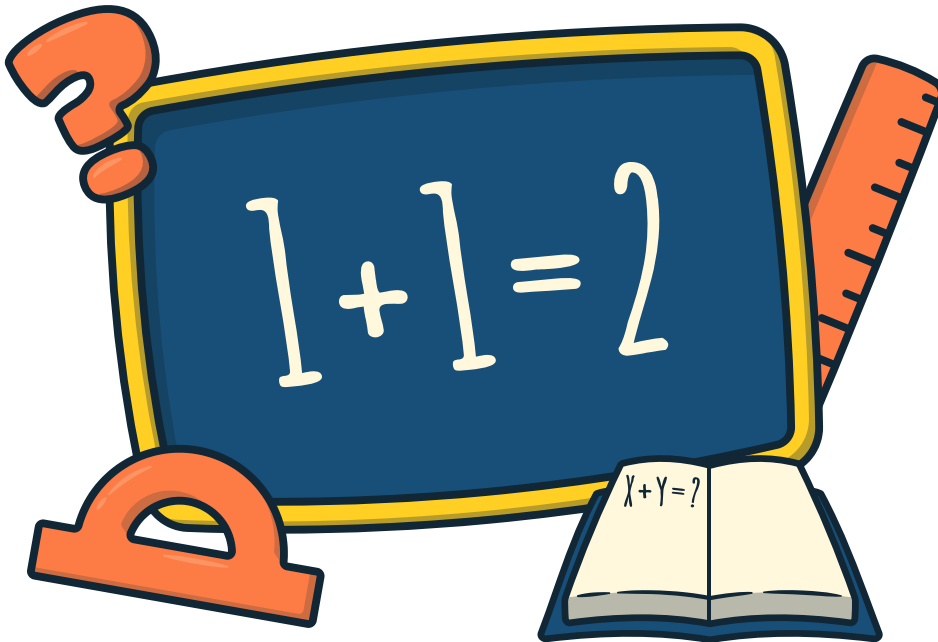


SKILLUP JUNIORS

VEDIC MATHS SYLLABUS

Class 7-8

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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VEDIC MATHS SYLLABUS FOR CLASS 7 & 8

5 MONTHS FOUNDATION

Phase 1: The Fundamentals

Focus on speed addition, subtraction, and the core "base" concepts.

Introduction & Base: Understanding Bases (10, 100, 1000) and Complements.

Rapid Subtraction: Nikhilam Navatashcaramam Dashatah (All from 9, Last from 10).

Addition Mastery: Ekadhikena Purvena (By one more than the previous) & Shudh Method.

Digit Sums: Finding the "Beejank" for checking answers instantly.

Phase 2: Multiplication Wonders

Moving from specific cases to general multiplication that works for any numbers.

Base Multiplication: Numbers near the base (e.g., 98×97 or 103×105).

Vertically & Crosswise: Urdhva-Tiryagbhyam (The "Universal" 2x2 and 3x3 method).

Antya-Yoreva: Multiplying numbers where last digits add to 10 and first are same.

Special Cases: Multiplication by 11, 12, 13, and series of 9s (99, 999).

Phase 3: Squares, Cubes & Roots

Crucial for Grade 7/8 geometry and algebra

Squaring Numbers: Duplex Method (Dwandwa Yoga) for any digit number.

Square Roots: Straight Division method for perfect and non-perfect squares.

Cubing: Anurupyena (Proportionately) for 2-digit numbers.

Cube Roots: Visual method for perfect cubes up to 6 digits.

Phase 4: Division & Fractions

Simplifying the most "dreaded" part of arithmetic.

Nikhilam Division: Dividing by numbers slightly less than the base (e.g., $\div 9, 98, 89$).

Flag Division: Dhvajanka method for multi-digit divisors.

Fractions: Using Urdhva-Tiryagbhyam for addition/subtraction of fractions.

Phase 5: Algebraic Application & Review

Bridging the gap between arithmetic and school algebra.

Linear Equations – Solving $ax + b = cx + d$ in one line.

Simultaneous Equations – Introduction to the "Paravartya" method.

Factorization – Using Vedic patterns for quadratic expressions.

Comprehensive Mock Test & Speed Challenge.

Doubt Clearing & Certification Ceremony.

