



Grade 8 to 10

“From delivering results at top firms to transforming student outcomes worldwide – Smart Prep is built on trusted teaching excellence.”



OVERVIEW

Sharpen your mind. Solve in seconds.

This course is designed to boost calculation speed, number sense, and confidence using fun techniques and strategies. Students learn to perform complex arithmetic in their heads — no calculator, no paper.

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| Course | Mind Sprint (Mental Math Mastery) |
| Frequency | 2 Classes per Week |
| Format: | 1-on-1 and Group sessions Interactive, Fun, Concept-Based, and Mental Strategy Focused |
| Benefits: | <ul style="list-style-type: none">✓ Boosts speed and accuracy✓ Strengthens memory and focus✓ Builds confidence for exams and classwork |



Curriculum

Topic 1: Number Sense & Calculation Foundations

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| 1) | Place value, rounding, estimation |
| 2) | Speed addition/subtraction tips (breaking numbers, compensation) |
| 3) | Multiplication shortcuts (doubling/halving, using distributive property) |
| 4) | Division tricks & divisibility rules |

Topic 2: Decimals, Fractions, & Percentages

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| 1) | Rapid conversions among fractions, decimals, percentages |
| 2) | Fraction addition/subtraction using mental common denominators |
| 3) | Estimating decimal operations |
| 4) | Calculations with percentages (percent increase/decrease, mental 10%/1% trick) |
| 5) | Fraction/Decimal/Percentages conversion |

Topic 3: Factors, Multiples, and Primes

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| 1) | Prime factorization tricks, GCF/LCM quick methods |
| 2) | Recognizing patterns (multiples, factor pairs) |
| 3) | Square and cube number recall |

Topic 4: Mental Algebra

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| 1) | Simplification (like terms, quick expansions) |
| 2) | Mental solving for x (simple linear equations) |
| 3) | Balancing techniques for equations |

Topic 5: Geometry Essentials

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| 1) | Perimeter, area, volume estimation |
| 2) | Common angle calculations (properties of triangles, polygons) |
| 3) | Pythagoras and simple trigonometry (special right triangles mentally) |

Topic 6: Advanced Arithmetic & Sequences




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| 1) | Patterns & sequence identification (arithmetic, geometric) |
| 2) | Mental strategies for sums (consecutive numbers, Gauss trick) |

Key points:

Personal Guidance, No Corporate Layers:

Work one-on-one with the tutor — not through a system. **Direct support, real-time communication, and flexible learning schedules.**

Connect with us:

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