



Grade

5 to 7

“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.

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: Addition & Subtraction strategies

1)	Counting forward/backward, skip counting
2)	Doubles and near doubles
3)	Adding / Subtracting 3 or more numbers mentally
4)	Addition & subtraction with multiples of 10,100
5)	Decomposition of numbers
6)	Real world problems

Topic 2: Multiplication & Division Concept and strategies

1)	Skip counting and times tables (2 to 12)
2)	Multiplying using doubling, halving
3)	Using area models and breaking apart numbers
4)	Using multiplication for division
5)	Dividing by 2, 5, 10, and then 3, 4, 6, 8
6)	Mental division strategies using estimation, speed drills and time based games

Topic 3: Mixed Operations + Word Problems

1)	Choosing the right operation (clue words)
2)	Two-step and three-step word problems
3)	Estimating answers mentally
4)	“Missing number” puzzles
5)	Challenge rounds: operations in real-world scenarios

Topic 4: FDP and FMP

1)	Equivalent Fractions, comparing fractions, Shading fractions
2)	Fraction word problems (Add, Sub, Mul, Div)
3)	Multiples, Factors, Ordering Fractions, HCF, LCM Word Problems
4)	Rounding decimals, Order and compare decimals, Add, Sub, Mul, Divide decimals.
5)	Decimal manipulation (with 10, 100, 1000, etc) word problems.
6)	All Conversions (Fraction to decimals to percentages), Percentage of a quantity, Increase by a percentage, Decrease by a percentage, Find a percentage increase, Find a percentage decrease Word Problems

Topic 5: Geometry (Mental Visualization)

1)	2D and 3D shape properties and classification
2)	Lines of symmetry, right angles, turns
3)	Mental rotation and visualization
4)	Angles in shapes (Grade-appropriate)
5)	Geometry scavenger hunt & oral quizzes

Topic 6: Mensuration (Mental Estimation & Reasoning)

1)	Perimeter and area of simple shapes (Squares, Rectangles, Triangles)
2)	Estimating length, area, and volume mentally
3)	Real-world mensuration problems (fencing, flooring, water tanks)
4)	Fun estimation games using surroundings

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.**

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