



CBSE CLASS 7 MATHEMATICS

Class 7 Mathematics

Intermediate mathematical curriculum covering integers arithmetic, fraction operations, data central tendencies, simple linear equations, angle properties, and triangle congruency.

GOVERNING BOARD
CBSE

THEORY EXAMINATION
80 Marks

INTERNAL / PRACTICAL
20 Marks

EXAM DURATION
2½ Hours

UNIT-WISE SYLLABUS & MARKS BREAKDOWN

UNIT	CHAPTERS & PRESCRIBED TOPICS	MARKS
Chapter 1	Integers Properties of addition, subtraction, multiplication and division of integers	10
Chapter 2	Fractions and Decimals Multiplication and division of fractions, operations on decimal numbers	10
Chapter 3	Data Handling Arithmetic mean, range, mode, median of ungrouped data, double bar graphs	08
Chapter 4	Simple Equations Setting up equations, solving equations through transposition, practical word problems	10
Chapter 5	Lines and Angles Complementary, supplementary, adjacent, vertically opposite angles, transversal lines	10
Chapter 6	The Triangle and its Properties Medians, altitudes, exterior angle property, angle sum property, Pythagoras theorem	12
Chapter 7	Comparing Quantities Ratios, percentages, profit & loss, simple interest calculations	10
Chapter 8	Rational Numbers Positive & negative rational numbers, representation on number line, four fundamental operations	10

INTERNAL / PRACTICAL ASSESSMENT SCHEME (20 MARKS)

EVALUATION COMPONENT	MARKS WEIGHTAGE
Unit Tests Term-based written mathematics evaluations	10 Marks
Lab Portfolio & Mental Math Hands-on geometry and mental calculation portfolio	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: NCERT Mathematics Class 7, RS Aggarwal, Excellence Math Foundation Series

THE EXCELLENCE TUITION EDGE

Every unit in this curriculum is taught with structured conceptual lectures, followed by weekly speed-testing, detailed mistake analysis, and dedicated 1:1 doubt-clearing sessions to build board exam confidence.

Excellence Tuition Centres: Sarsuna (Opp. High School) · Joka · Chatterjee Para (Behala)

Admissions & Inquiries: +91 89022 70803 · excellence-tuition.vercel.app