

CBSE Syllabus for Class 8 Maths 2020-21

The different chapters included in the CBSE Syllabus for Class 8 Maths are tabulated below:

Chapters	Name of Chapter
Chapter 1	Rational Numbers
Chapter 2	Linear Equations in One Variable
Chapter 3	Understanding Quadrilaterals
Chapter 4	Practical Geometry
Chapter 5	Data Handling
Chapter 6	Squares and Square Roots
Chapter 7	Cubes and Cube Roots
Chapter 8	Comparing Quantities
Chapter 9	Algebraic Expressions and Identities
Chapter 10	Visualizing Solid Shapes
Chapter 11	Mensuration
Chapter 12	Exponents and Powers
Chapter 13	Direct and Inverse Proportions
Chapter 14	Factorization
Chapter 15	Introduction to Graphs
Chapter 16	Playing with Numbers

So, let us now look into the detailed CBSE syllabus for Class 8 Maths.

Rational Numbers: Introduction, Properties of Rational Numbers, Representation of Rational Numbers on the Number Line, Rational Numbers between Two Rational Numbers,

Linear Equations In One Variable: Introduction, Solving Equations which have Linear Expressions on one Side and Numbers on the other Side, Some Applications, Solving Equations having the Variable on both Sides, Some More Applications, Reducing Equations to Simpler Form, Reducing Equations to Simpler Form, Equations Reducible to the Linear Form.

Understanding Quadrilaterals: Introduction, Polygons, Sum of the Measures of the Exterior Angles of a Polygon, Kinds of Quadrilaterals, Some Special Parallelograms.

Practical Geometry: Introduction, Constructing a Quadrilateral, Some Special Cases.

Data Handling: Looking for Information, Organising Data, Grouping Data, Circle Graph or Pie Chart, Chance and Probability.

Squares and Square Roots: Introduction, Properties of Square Numbers, Some More Interesting Patterns, Finding the Square of a Number, Square Roots, Square Roots of Decimals, Estimating Square Root.

Cubes & Cube Roots: Introduction, Cubes, Cube Roots.

Comparing Quantities: Recalling Ratios and Percentages, Finding the Increase or Decrease Per cent, Finding Discounts, Prices Related to Buying and Selling (Profit and Loss), Sales Tax/Value Added Tax, Compound Interest, Deducing a Formula for Compound Interest, Rate Compounded Annually or Half Yearly (Semi Annually), Applications of Compound Interest Formula.

Algebraic Expressions and Identities: What are Expressions?, Terms, Factors and Coefficients, Monomials, Binomials and Polynomials, Like and Unlike Terms, Addition and Subtraction of Algebraic Expressions, Multiplication of Algebraic Expressions: Introduction, Multiplying a Monomial by a Monomial, Multiplying a Monomial by a Polynomial, Multiplying a Polynomial by a Polynomial, What is an Identity?, Standard Identities, Applying Identities.

Visualizing Solid Shapes: Introduction, Views of 3D-Shapes, Mapping Space Around Us, Faces, Edges and Vertices.

Mensuration: Introduction, Let us Recall, Area of Trapezium, Area of a General Quadrilateral, Area of a Polygon, Solid Shapes, Surface Area of Cube, Cuboid and Cylinder, Volume of Cube, Cuboid and Cylinder, Volume and Capacity.