



CBSE Class 8 Maths Syllabus

CHAPTER 1: Rational Numbers

- 1.1 Introduction
- 1.2 Properties of Rational Numbers
- 1.3 Representation of Rational Numbers on the Number Line
- 1.4 Rational Number between Two Rational Numbers

CHAPTER 2: Linear Equations in One Variable

- 2.1 Introduction
- 2.2 Solving Equations which have Linear Expressions on one Side and Numbers on the other Side
- 2.3 Some Applications
- 2.4 Solving Equations having the Variable on both sides
- 2.5 Some More Applications
- 2.6 Reducing Equations to Simpler Form
- 2.7 Equations Reducible to the Linear Form

CHAPTER 3: Understanding Quadrilaterals

- 3.1 Introduction
- 3.2 Polygons
- 3.3 Some of the Measures of the Exterior Angles of a Polygon
- 3.4 Kinds of Quadrilaterals
- 3.5 Some Special Parallelograms

CHAPTER 4: Practical Geometry

- 4.1 Introduction
- 4.2 Constructing a Quadrilateral
- 4.3 Some Special Cases

CHAPTER 5: Data Handling	5.1 Looking for Information
	5.2 Organising Data
	5.3 Grouping Data
	5.4 Circle Graph or Pie Chart
	5.5 Chance and Probability
CHAPTER 6: Squares and Square Roots	6.1 Introduction
	6.2 Properties of Square Numbers
	6.3 Some More Interesting Patterns
	6.4 Finding the Square of a Number
	6.5 Square Roots
	6.6 Square Roots of Decimals
	6.7 Estimating Square Root
CHAPTER 7: Cubes and Cube Roots	7.1 Introduction
	7.2 Cubes
	7.3 Cubes Roots
CHAPTER 8: Comparing Quantities	8.1 Recalling Ratios and Percentages
	8.2 Finding the Increase and Decrease Percent
	8.3 Finding Discounts
	8.4 Prices Related to Buying and Selling (Profit and Loss)
	8.5 Sales Tax/Value Added Tax/Goods and Services Tax
	8.6 Compound Interest
	8.7 Deducing a Formula for Compound Interest
	8.8 Rate Compounded Annually or Half Yearly (Semi

Annually)

8.9 Applications of Compound Interest Formula

CHAPTER 9: Algebraic Expressions and Identities

9.1 What are Expressions?

9.2 Terms, Factors and Coefficients

9.3 Monomials, Binomials and Polynomials

9.4 Like and Unlike Terms

9.5 Addition and Subtraction of Algebraic Expressions

9.6 Multiplication of Algebraic Expressions: Introduction

9.7 Multiplying a Monomial by a Monomial

9.8 Multiplying a Monomial by a Polynomial

9.9 Multiplying a Polynomial by a Polynomial

9.10 What is an Identity?

9.11 Standard Identities

9.12 Applying Identities

CHAPTER 10: Visualising Solid Shapes

10.1 Introduction

10.2 View of 3D-Shapes

10.3 Mapping Space Around Us

10.4 Faces, Edges and Vertices

CHAPTER 11: Mensuration

11.1 Introduction

11.2 Let us Recall

11.3 Area of Trapezium

11.4 Area of General Quadrilateral

11.5 Area of Polygons

11.6 Solid Shapes

11.7 Surface Area of Cube, Cuboid and Cylinder

11.8 Volume of Cube, Cuboid and Cylinder

11.9 Volume and Capacity

12.1 Introduction

12.2 Powers with Negative Exponents

12.3 Laws of Exponents

12.4 Use of Exponents to Express Small Numbers in Standard Form

CHAPTER 12: Exponents and Powers

13.1 Introduction

13.2 Direct Proportion

13.3 Inverse Proportion

CHAPTER 13: Direct and Inverse Proportions

14.1 Introduction

14.2 What is Factorisation?

14.3 Division of Algebraic Expressions

14.4 Division of Algebraic Expressions Continued (Polynomial / Polynomial)

14.5 Can you Find the Error?

CHAPTER 14: Factorisation

15.1 Introduction

15.2 Linear Graphs

15.3 Some Applications

CHAPTER 15: Introduction to Graphs



CHAPTER 16: Playing with Numbers

16.1 Introduction

16.2 Numbers in General Form

16.3 Game with Numbers

16.4 Letters for Digits

16.5 Test of Divisibility
