

CBSE Maths Syllabus 2023-24 for Class 7 - Overview

2023-24 CBSE Class 7 Maths Syllabus		
Unit	Unit Name	Section
1	Number System	Knowing our Numbers Powers Fractions and rational numbers
2	Algebra	Algebraic Expressions
3	Geometry	Understanding shapes triangles Properties Symmetry Congruence Representing 3-D in 2-D Construction (Using scale, protractor, compass)
4	Ratio and Proportion	Ratio and Proportion
5	Mensuration	Area
6	Data Handling	Data Handling

CBSE Class 7 Maths Syllabus - Chapter Wise

CBSE Syllabus for Class 7 Maths Chapter Names	
No.	Unit Names
Chapter 1	Integers
Chapter 2	Fractions and Decimals
Chapter 3	Data Handling
Chapter 4	Simple Equations
Chapter 5	Lines and Angles
Chapter 6	The Triangle and its Properties

Chapter 7	Comparing Quantities
Chapter 8	Rational Numbers
Chapter 9	Perimeter and Area
Chapter 10	Algebraic Expressions
Chapter 11	Exponents and Powers
Chapter 12	Symmetry
Chapter 13	Visualizing Solid Shapes

CBSE Class 7 Maths Syllabus: Integers

CBSE Class 7 Maths Chapter 1 – Integers
Recall From The Past Lessons
Properties of Addition and Subtraction of Integers
Multiplication of Integers
Properties of Multiplication of Integers
Division of Integers

CBSE Maths Syllabus Class 7: Fractions and Decimals

CBSE Class 7 Maths Syllabus Chapter 2 - Fractions and Decimals
How well have you learned about fractions?

Multiplication of fractions
Division of fractions
How well have you learned about decimal numbers
Multiplication of decimal numbers
Division of decimal numbers

CBSE Class 7 Maths Syllabus: Data Handling

Class 7 Maths Syllabus Chapter 3 – Data Handling
Collecting Data
Organisation of Data
Representative Values
Arithmetic Mean
Mode
Median
Use of Bar Graphs With a Different Purpose
Chance and Probability

CBSE Class 7 Maths Syllabus: Simple Equations

CBSE Syllabus Maths Chapter 4 – Simple Equations
Setting up of an Equation
Review of What We Know

What Is the Equation?
More Equations
From Solution to Equation
Application of Simple Equations to Practical Situations

CBSE Class 7 Maths Syllabus: Lines and Angles

CBSE Math Syllabus of Class 7 Chapter 5 – Lines and Angles
Related Angles
Pair of Lines
Checking For Parallel Lines

CBSE Class 7 Maths Syllabus: Triangle and its Properties

CBSE Class 7 Maths Chapter 6: The Triangle and its Properties
Means of a triangle
Altitudes of a triangle
Exterior angle of a triangle and its property
Angle sum property of a triangle
Two special triangles: equilateral and isosceles
The sum of the length of two sides of a triangle
Right-angled triangles and Pythagoras' property

CBSE Class 7 Maths Syllabus: Comparing Quantities

2023-24 CBSE Maths Syllabus Chapter 7 – Comparing Quantities
Equivalent Ratios
Percentage – Another Way of Comparing Quantities
Use of Percentages
Prices Related to an Item or Buying and Selling
Charge Given on Borrowed Money or Simple Interest

CBSE Class 7 Maths Syllabus: Rational Numbers

Chapter 8 – Rational Numbers
Need For Rational Numbers
What are Rational Numbers?
Positive and Negative Rational Numbers
Rational Numbers on a Number Line
Rational Numbers in Standard Form
Comparison of Rational Numbers
Rational Numbers Between Two Rational Numbers
Operations on Rational Numbers

CBSE Class 7 Maths Syllabus: Perimeter and Area

Chapter 9 – Perimeter and Area
· Squares and Rectangles
· Area of Parallelogram

· Area of Triangles
· Circles
· Conversion of Units
· Applications

CBSE Class 7 Maths Syllabus: Algebraic Expressions

Chapter 10 – Algebraic Expressions
How are Expressions Formed?
Terms of an Expression
Like and Unlike Terms
Monomials, Binomials, Trinomials, and Polynomials
Addition and Subtraction of Algebraic Expressions
Finding The Value of an Expression
Using Algebraic Expressions – Formulas and Rules

CBSE Class 7 Maths Syllabus: Exponents and Powers

Chapter 11 – Exponents and Powers
· Exponents
· Laws of Exponents
· Miscellaneous Examples Using The Laws of Exponents
· Decimal Number System
· Expressing Large Numbers in The Standard Form

CBSE Class 7 Maths Syllabus: Symmetry

Chapter 12 – Symmetry
· Lines of Symmetry For Regular Polygons
· Rotational Symmetry
· Line Symmetry and Rotational Symmetry

CBSE Class 7 Maths Syllabus: Visualizing Solid Shapes

CBSE Class 7 Maths Syllabus Chapter 13: Visualising Solid Shapes
Introduction: Plane figures and solid shapes
Faces, edges, and vertices
Nets for building 3-D shapes
Drawing solids on a flat surface
Viewing different sections of a solid