



CBSE Class 7 Maths Updated Syllabus

Class 7 Math's Syllabus :

The NCERT Class 7 Maths Syllabus offers a comprehensive course structure that helps students strengthen their understanding of mathematical concepts. This syllabus is divided into key areas and each section is prepared to build on what students have already learned and gradually introduce new topics.

Class 7 CBSE Math's Syllabus
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: Visualising Solid Shapes

Overview of NCERT Class 7 Maths Syllabus

Chapter 1: Integers

Class 7 Chapter 1: Integers introduces students to positive and negative numbers, their properties, and basic operations like addition, subtraction, multiplication, and division. It helps students understand and solve problems using integers in real-life situations. The topics included in Chapter 1: Integers are presented in the table

Class 7 CBSE Math's Syllabus	
1.1	Properties of addition and subtraction of integers
1.2	Multiplication of integers
1.3	Properties of multiplication of integers
1.4	Division of integers
1.5	Properties of Division of integers

Chapter 2: Fractions and Decimals

Class 7 Chapter 2: Fractions and Decimals teaches students about different types of fractions, their operations, and the conversion between fractions and decimals. It covers addition, subtraction, multiplication, and division of fractions and decimals.

CBSE Class 7 Math's Chapter 2: Fractions and Decimals

2.1	Multiplication of fractions
2.2	Division of fractions
2.3	Multiplication of decimal numbers
2.4.	Division of decimal numbers

Chapter 3: Data Handling

Class 7 Chapter 3: Data Handling teaches students how to collect, organise, and interpret data. It covers topics like mean, mode, median, and bar graphs, helping students understand how to present and analyse information effectively.

CBSE Class 7 Maths Chapter 3: Data Handling

3.1	Representative values
3.2	Arithmetic mean
3.3	Mode
3.4	Median
3.5	Use of bar graphs with a different purpose

Chapter 4: Simple Equations

Chapter 4 of Class 7 Maths, Simple Equations, teaches how to solve basic equations with one variable. It covers methods to find unknown values and practical applications in daily life.

CBSE Class 7 Maths Chapter 4: Simple Equations

4.1	A Mind-Reading Game!
4.2	Setting up an equation
4.3	Review of what we know
4.4	What is the equation?
4.5	More equations
4.6	Application of simple equations to practical situations

Chapter 5: Lines and Angles

Chapter 5: Lines and Angles in Class 7 covers the basics of lines, angles, and their properties. Students learn about different types of angles, such as acute, obtuse, and right angles, and how lines intersect to form angles.

CBSE Class 7 Maths Chapter 5: Lines and Angles

5.1	Introduction
5.2	Related Angles
5.3	Pair of Lines
5.4.	Checking for parallel lines

Chapter 6: The Triangle and its Properties

Chapter 6 of Class 7 Maths, "The Triangle and its Properties," teaches about different types of triangles and their characteristics, such as angles and sides.

CBSE Class 7 Maths Chapter 6: The Triangle and its Properties

6.1	Introduction
6.2	Medians of a triangle
6.3	Altitudes of a triangle
6.4	An exterior angle of a triangle and its property
6.5	Angle sum property of a triangle
6.6	Two special triangles: equilateral and isosceles
6.7	The sum of the length of two sides of a triangle
6.8	Right-angled triangles and Pythagoras' property

Chapter 7: Comparing Quantities

In Class 7 Chapter 7: Comparing Quantities, students learn how to compare quantities using percentages, ratios, and proportions. They explore practical scenarios to understand concepts like profit and loss, discounts, and simple interest.

CBSE Class 7 Math's Chapter 7: Comparing Quantities

7.1	Percentage – another way of comparing quantities
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7.2	Use of percentages
7.3	Prices related to an item or buying and selling
7.4	Charge given on borrowed money or simple interest

Chapter 8: Rational Numbers

In Class 7 Chapter 8: Rational Numbers, students learn about numbers that can be expressed as fractions. They explore operations like addition, subtraction, multiplication, and division of these numbers, gaining skills to solve practical problems using rational numbers.

CBSE Class 7 Maths Chapter 8: Rational Numbers	
8.1	Introduction
8.2	Need for rational numbers
8.3	What are rational numbers?
8.4	Positive and negative rational numbers
8.5	Rational numbers on a number line
8.6	Rational numbers in standard form
8.7	Comparison of rational numbers
8.8	Rational numbers between two rational numbers
8.9	Operations on rational numbers



Chapter 9: Perimeter and Area

Chapter 9 in Class 7 covers the Perimeter and Area. Students learn how to measure the boundary (perimeter) and space inside (area) of shapes like rectangles, triangles, and circles.

CBSE Class 7 Math's Chapter 9: Perimeter and Area	
9.1	Area of parallelogram
9.2	Area of triangles
9.3	Circles

Chapter 10: Algebraic Expressions

In Class 7 Chapter 10, Algebraic Expressions, students learn about using letters and numbers to represent quantities in maths. They explore how to simplify expressions and solve problems using these expressions.

CBSE Class 7 Maths Chapter 10: Algebraic Expressions	
10.1	Introduction
10.2	How are expressions formed?
10.3	Terms of an expression
10.4	Like and unlike terms
10.5	Monomials, binomials, trinomials, and polynomials
10.6	Finding the value of an expression

Chapter 11: Exponents and Powers

Chapter 11 of Class 7, "Exponents and Powers," teaches how to work with powers and exponents. It covers rules for multiplying and dividing powers and shows how exponents help in calculations with large numbers and small decimals.

CBSE Class 7 Maths Chapter 11: Exponents and Powers	
11.1	Introduction
11.2	Exponents
11.3	Laws of exponents
11.4	Miscellaneous examples using the laws of exponents
11.5	Decimal number system
11.6	Expressing large numbers in the standard form

Chapter 12: Symmetry

In Class 7 Chapter 12, Symmetry, students learn about shapes and objects that can be divided into two halves. They explore how to identify symmetry in everyday things like letters, shapes, and designs.

CBSE Class 7 Maths Chapter 12: Symmetry	
12.1	Introduction
12.2	Lines of symmetry for regular polygons
12.3	Rotational symmetry

12.4	Line symmetry and rotational symmetry
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Chapter 13: Visualizing Solid Shapes

In Class 7 Chapter 13, "Visualising Solid Shapes," students learn about different 3D shapes like cubes, cuboids, spheres, and cones. They explore how to visualise these shapes from different perspectives and understand their properties through practical examples and exercises

CBSE Class 7 Maths Chapter 13: Visualising Solid Shapes

13.1	Introduction: Plane figures and solid shapes
13.2	Faces, edges, and vertices
13.3	Nets for building 3-D shapes
13.4	Drawing solids on a flat surface
13.5	Viewing different sections of a solid

Marks Distribution For Class 7th Math's Syllabus

There isn't any specific layout for the question paper's marks distribution. However, most of the CBSE standards follow a question paper with four sections. Each section is more challenging than the previous one.

Prescribed Books:

Mathematics Textbook for Class VII, Published by NCERT