

CBSE Syllabus Class 6 Maths: Chapter-wise Description

Class 6 Maths Syllabus for the year 2021-22 introduces its students to the basic concepts of Mathematics. You can download the [CBSE Class 6](#) Syllabus for Maths in PDF format. The syllabus begins with the chapter '**Knowing Our Numbers**' and ends with '**Practical Geometry**'. The First section introduces the students to various complex numbers like thousands to trillions etc. To understand further, please read the detailed explanation for each section given below:

1. **Knowing Our Numbers**- This section is designed to make students aware of various complex values of numbers. The section includes numbers like Millions, Billions, etc. Students also learn to variate numbers and compare them. The chapter also includes the study of complex numbers, estimate sum, the difference between the numbers, etc. The section introduces the students with numbers like 1,00,000 etc.
2. **Whole Numbers**- As the name reflects, the chapter includes the study of real numbers, concepts, and features. It talks about the properties of the whole numbers, the patterns in a series of the whole numbers etc. The chapter also introduces the students to topics like number lines and working on the number line. Concepts like the predecessor and successor are also important parts of the chapter.
3. **Playing with Numbers**- The chapter discusses concepts like factors and multiples, prime and composite numbers, factors and common multiples, prime factorization, HCF and LCM etc. The chapter also introduces the students to other important concepts like divisibility, prime factorization, etc.
4. **Basic Geometrical Ideas**- The section is designed to make students aware of basic geometry. It talks about the sections like Parallel lines, Ray, Curves, Polygons, Angles, Triangles, Circles etc. This subject aims to ensure that students get a basic idea about future geometrical problems. It will help them build a strong foundation for themselves to respective of the Geometry subject.
5. **Understanding Elementary Shapes**– This study section introduces the students to various designs and shapes included in the maths. The section provides the basic knowledge of the shapes and designs, which can be helpful for tougher syllabuses in advanced classes. Some important topics which are included in the chapter are Line Segments, Right and straight angles, Acute, Obtuse and Reflex angles, Perpendicular angles, Polygons etc.
6. **Integers**- This is a section that includes fun learning. The chapter includes points like Tag me with a sign, Integers, Ordering of Integers, Addition of Integers etc.
7. **Fractions**– The 7th chapter of the subject includes topics like Fraction on Number line, Proper fractions, Equivalent fractions, like fractions, comparing like or unlike fractions, adding or subtracting like fractions etc.
8. **Decimals**- This portion of the study first introduces and talks about the value of decimals in numbers. Later the level increases to the uses of decimals in tenths, hundredths etc. Another part of the chapter makes sure that you learn about the application of the decimals in real-life applications like money and weight etc.
9. **Data Handling**– The chapter includes various activities related to the graph data. It introduces the students to the concepts of recording, drawing, and the organization of the graphical data. The students learn about calculating the values with the help of the data in the pictograph form.
10. **Mensuration**- This part of the study includes calculating various designs and figures with the help of their area and volume. The purpose of the chapter is to make students aware of the tools which can be helpful for them in various kinds of measurement activities for the shapes and the designs. Under this chapter, the students learn about perimeter, measurement of the perimeter, area, area of a rectangle etc.
11. **Algebra**– This is the students' beginning portion of the Algebra chapter. The syllabus is designed to introduce you to algebra, its uses in mathematical problems etc. You will learn about various matchstick problems, various use of variables in the common, expressions, expressions with variables and using expressions practically. Some portions of Algebra will be based on an equation and its solution.
12. **Ratio and Proportion**- This chapter will be based on introducing the ratio concepts and their uses. Ratio and Proportion will be defined separately, and then students will learn about their relations. The conclusion of the chapter will have examples for ratio and proportion, both concepts and the study of the unitary method.

13. **Symmetry-** The chapter will be based on the symmetries and their real-life applications. The chapter will begin with the basic introduction, and then the discussion will be about Ink Blot Devils. Later, the study of figures with multiple lines of Symmetry, Reflection and Symmetry etc. The purpose of this chapter is to make students familiar with the concepts of Symmetry so that the future syllabus related to the symmetry concept can be familiar.
14. **Practical Geometry-** Practical Geometry covers all the fundamentals of drawing various geometrical shapes. In this chapter, we will be discussing different geometrical tools and their uses. Some of the Mathematical instruments used to construct shapes are Graduated Ruler, Compasses, Divider, Set-Square and a Protractor. In this chapter, students will learn step-by-step procedures to construct an angle, construct a bisector, and construct a line segment.