

MATHS SYLLABUS

Class – 1

1st Class Maths Syllabus – An Overview

The CBSE Class 1 Maths Syllabus 2023-24 consists of 11 units. The topics are referred to by their respective names, which are Addition, Subtraction, Shapes and Space, Time, Measurement, Data Handling, How Many, Numbers, Numbers from One to Nine, Patterns, Money, Numbers from Ten to Twenty, and Numbers from Twenty-One to Fifty.

It is recommended that parents, instructors and guardians begin teaching the students by applying the strategies and ideas that the students acquire in Kindergarten classes. This is because the students will be more prepared for the material. Students continue to learn and practice with larger numbers and are introduced to more advanced mathematical topics such as multiplication, division and geometry, just like they did in mathematics class 1. At this point, the process of adding and subtracting is going to become more difficult. Because of this, it is essential for students to have an understanding of the computational approaches that are connected to one another, and how these methods can be utilised in a variety of contexts.

Chapter – 1 (Shapes and Spaces)

Students will be able to distinguish one size and shape from another after reading this chapter because it covers the many different sorts of sizes and shapes. In this section, the students will be tasked with determining whether an item is larger or smaller, which objects are closer or further away, etc.

Recognizing two-dimensional shapes (2D shapes) and developing a vocabulary of spatial relationships like near, far, top, bottom, above, below, on, inside, under, and outside.

Topics :-

a) Shapes and Spatial Understanding

Develops and uses vocabulary of spatial relationship (Top, Bottom, On, Under, Inside, Outside, Above, Below, Near, Far, Before, After)

b) Solids Around Us

- Collects objects from the surroundings having different sizes and shapes like pebbles, boxes, balls, cones, pipes, etc.
- Sorts, Classifies and describes the objects on the basis of shapes, and other observable properties.
- Observes and describes the way shapes affect movements like rolling and sliding.
- Sorts 2 – D shapes such as flat objects made of card etc.

Chapter – 2 (Numbers)

This chapter deals with the next set of numbers - 51 to 100. Through illustrative questions and exercises, your child will be able to practice counting and writing numbers between 1 to 100. To help them with these problems, you can download these NCERT Solutions from the links given above.

Topics:-

(i) DEVELOPING A SENSE OF NUMBERNESS, COUNTING AND OPERATIONS OF NUMBERS 1 - 9 AND ZERO

- Observes object and makes collections of objects.
- Arranges the collection of objects in order by – Matching and – One to one correspondence
- Building a basic understanding of numbers.
- Counting and performing addition/subtraction of numbers from one to nine.
- Arranging the group of objects in order through 1-to-1 correspondence
- Counting objects in a collection or group.
- Making a group of objects corresponding to a specific number.
- Identifying and telling number names from 1 to 9.
- Using numbers from 1 to 9 for counting and comparison.
- Reading and writing numerals from 1 to 9.
- Adding and subtracting using pictures and objects.

- Adding and subtracting the numbers by using the addition '+' and subtraction '-' symbols.

Chapter – 3 { NUMBERS FROM (10 - 20) }

This is an extension of the Chapter Numbers from One to Nine where your child will be learning and practicing numbers from Ten to Twenty. Through fun-filled puzzles and exercises, writing practice, counting practice, and count-and-write exercises, your child will be able to learn the numbers properly. If they face any issue, they can refer to the NCERT Solutions for CBSE Class 1 Maths and get solutions to all the problems given in the textbook.

Topics :-

- Forms Number sequence from 10 to 20.
- Counts objects using these numbers.
- Groups objects into a group of 10s and single objects.
- Develops the vocabulary of group of 'tens' and 'ones'.
- Shows the group of tens and ones by drawing.
- Counts the number of tens and ones in a given number.
- Writes the numerals for eleven to nineteen.
- Writes numerals for ten and twenty.
- Compares numbers upto 20.

Chapter – 4 (NUMBERS FROM 21 – 99)

This chapter is an extension to the Chapter Numbers from Ten to Twenty where your child will be learning about the numbers from 21 to 99. There are a lot of questions in this chapter that will help your child become proficient in counting and writing these numbers.

The content covered in this unit applies to the numbers between 21 and 99. Students are expected to work through all of the challenging exercises and problems contained in it in order to get a good understanding of the material.

Topics :-

- Writes numerals for Twenty-one to Ninety nine.
- Groups objects into tens and ones.
- Draws representation for groups of ten and ones.
- Groups a number orally into tens and ones.
- Writing numerals from twenty-one to ninety-nine. Grouping objects into tens and ones.
- Draws representation for groups of tens and ones. Grouping of a number verbally into tens and ones.

Chapter – 5 { ADDITION AND SUBTRACTION (UPTO 20) }

In this chapter, students will become familiar with some fundamental additional problems in mathematics that incorporate pictures. In this activity, they will be asked to perform several types of problems, such as adding a variety of items, matching and adding objects, identifying the appropriate numeral after addition, etc.

This chapter covers some straightforward subtraction exercises. One will have to solve the sums-related subtraction problems and figure out the missing numerals, just like you did in the previous session.

Topics :-

- Adds and subtracts numbers upto 20.

Chapter – 6 (MENTAL ARITHMETIC)

This is the last chapter of the CBSE Class 1 Maths Magic textbook. It covers the concepts of writing and counting numbers. Basically, it is a way for your child to revise everything that they have learned before in this textbook.

Topics :-

- Adds two single digit numbers mentally.

Chapter – 7 (Money)

The chapter 'Money' discusses different types of notes and coins that are in circulation in India. Here, questions are based on a certain amount and how different combinations produce the same.

In the chapter titled “Money,” we go over the numerous varieties of currency notes and coins that are legal tender in India. In this section, questions revolve around a particular quantity and the ways in which several combinations lead to the same result.

Topics :-

- Identifying common currency notes and coins.
- Putting together small amounts of money.

Chapter – 8 (Measurement)

This chapter is packed with illustrated exercises that involve making comparisons between different lengths, such as longer and shorter, longest and shortest, taller and shorter, tallest and shortest, heavier and lighter, heaviest and lightest, thicker and thinner, thickest and thinnest and so on.

Topics :-

a) Length

- Distinguishes between near, far, thin, thick, longer/taller, shorter, high, low.

- Seriates objects by comparing their length.
- Measures short lengths in terms of non-uniform units (in the context of games e.g. ‘Gilli Danda’ and ‘marble games’).
- Estimates distance and length, and verifies using nonuniform units (e.g. hand span etc.)

b) Weight

Compares between heavy and light objects.

c) Time

- Distinguishes between events occurring in time using terms -earlier and later.
- Gets the qualitative feel of long & short duration, of school days v/s holidays.
- Narrates the sequence of events in a day.

Chapter – 9 (Data Handling)

Data Handling is again one vital concept in maths, and students are introduced to the data world. Starting from calculating the number of times an alphabet or digit is repeated to finding out repeated shapes, Data Handling covers all.

Students are given an introduction to the data world as part of an essential mathematical subject known as “Data Handling.” The topic of data handling encompasses a wide range of topics, such as counting the number of times a particular alphabet or digit is repeated and determining which forms are repeated.

Topics :-

- Collects, represents and interprets simple data such as measuring the arm length or circumference of the head using a paper strip.
- Collecting, representing, and interpreting similar data like evaluating the length of a book using a paper strip.

Chapter – 10 (Patterns)

In this chapter, students will be tasked with determining the missing number, expanding an existing sequence or series, finishing a design or pattern, and other similar activities.

This chapter involves finding out the missing number, extending a sequence or series, completing a design or pattern, etc.

Topics :-

- Describing sequences of simple patterns found in shapes in surroundings. Building the sequence of simple patterns of shapes in the surroundings.
- Completes a given sequence of simple patterns found in shapes in the surroundings and in numbers.