

# MATHS SYLLABUS

## Class – 2

### 2nd Class Maths Syllabus – An Overview

Studying the **class 2 maths syllabus** helps students to have a clear understanding of previously studied concepts and skills. It focuses on working with bigger numbers and advanced concepts related to geometry, arithmetic, and numbers. The class 2 maths syllabus covers the basic operations of two-digit addition or subtraction which shifts to a bit complicated level of word problems. This helps the students to interpret and understand these computational methods in order to apply them in different scenarios.

**Class 2 Maths syllabus** is proficient in facilitating analytical growth and primary skills in students. The maths syllabus of class 2 comprises of topics like shapes, numbers, addition, subtraction, and more. Some of the skills to develop in class 2 maths are based on the following topics:

### Chapter – 1 ( Numbers )

- Reading and writing numerals for numbers 1 to 99.
- Expanding a number to place values of ones and tens.
- Counting and regrouping objects into groups of tens and ones.
- Arranges numbers up to a hundred in ascending and descending order.
- Forms the greatest and the smallest two-digit numbers with and without repetition of given digits.
  - Indicates and identifies the position of an object in a line.

### Topics :-

- (i) Odd And Even Numbers
  - (ii) Numbers On The Abacus
  - (iii) Numbers 21 - 100 On The Abacus
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- (iv) Digit Numbers
  - (v) Before / After / Between
  - (vi) Expanded Form
  - (vii) Place Value
  - (viii) Greater Than / Smaller Than
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## **Chapter – 2 ( ADDITION AND SUBTRACTION )**

- Solves addition, and subtraction problems presented through pictures and verbal description.
- Describes orally the situations that correspond to the given addition and subtraction facts.
- Estimates the result of addition and subtraction and compares the result with another given number.
- Estimating the result of addition and subtraction and comparing the result with another given number.
- Building a base for multiplication and division.
- Activities of making equal groups.

### **Topics :-**

- (i) Properties Of Addition - Adding Two Numbers
  - (ii) Properties Of Addition - Adding Three Numbers
  - (iii) Adding Three Numbers
  - (iv) Adding Three 2 - Digit Numbers
  - (v) Adding Digit Numbers With Carry
  - (vi) Adding Digit Numbers With Carry
  - (vii) Subtracting Digit Numbers With Borrowing
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## **Chapter – 3 ( PREPARATION FOR MULTIPLICATION AND DIVISION )**

- Discussion of situations involving repeated addition and situations involving equal sharing.
- Activities of making equal groups.

### **Topics :-**

- (I) Multiplication Tables
  - (ii) Properties Of Multiplication
  - (iii) Division – Concept
  - (iv) Division And Multiplication Are Related
  - (v) Division Using Multiplication Tables
  - (vi) Properties Of Division
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## **Chapter – 4 ( MENTAL ARITHMETIC )**

- Adding and subtracting single-digit numbers mentally.
- Adding and subtracting multiples of ten mentally.

## **Chapter – 5 ( Geometry )**

Fundamental understanding of necessary 2D shapes and 3D shapes, including cuboid, cylinder, cone, sphere, etc. This topic primarily involves :-

## Topics :-

- Observes objects in the environment and get a qualitative feel for their geometrical attributes.
- Identifies the basic 3-D shapes such as cuboid, cylinder, cone, and sphere by their names.
- Traces the 2-D outlines of 3-D objects.
- Observes and identify these 2-D shapes.
- Identifies 2-D shapes viz., rectangle, square, triangle, and circle by their names.
- Describes intuitively the properties of these 2-D shapes.

## Chapter – 6 ( Money )

- Adding and subtracting small amounts mentally.
- Understand the transaction of an amount using 2-3 notes.
- Puts together amounts of money not exceeding Rs 50/-.

## Topics :-

- (i) Indian Money
  - (ii) Changing Money
  - (iii) Conversion Of Rupees To Paise
  - (iv) Conversion Of Paise To Rupees
  - (v) Addition Of Money
  - (vi) Subtraction Of Money
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## Chapter – 7 ( Measurement )

- Estimating distance and length. Sorting objects based on their lengths and distinguishing between longer, shorter, near, far, thick, thin, high and low.
- Comparing heavy and light objects. Understand the need for a simple balance and use it for comparing weights

### *Length*

- Measures lengths & distances along short & long paths using uniform (non-standard) units, and extends to longer lengths.

### *Weight*

- Compares two or more objects by their weight.
- Appreciates the need for a simple balance.
- Compares weights of given objects using simple balance.

### *Capacity (Volume)*

- Compares and orders containers in terms of internal volume(capacity).
- Orders given containers as per their capacities on the basis of perception & verifies by pouring out etc.

## Topics :-

(i) Length

(ii) Measuring Length

(iii) Measuring Line Segments

(iv) Converting Metres And Centimetres

(v) Addition Of Length

(vi) Subtraction Of Length

(vii) Measuring Weight

(viii) Addition And Subtraction Of Weight

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(ix) Measuring Quantity Of Liquid

(x) Addition And Subtraction Of Volume

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## **Chapter – 8 ( Time )**

Gets familiar with the days of the week and months of the year.

- Gets a feel for sequence of seasons (varying locally).
- Sequences the events occurring over longer periods in terms of dates/days.

### **Topics :-**

(i) The Clock

(ii) The Calendar

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## **Chapter – 9 ( Patterns )**

- Observes and extend patterns in the sequence of shapes and numbers.
- Searches for patterns in different ways of splitting a number.
- Creates block patterns by stamping thumbprints, leaf prints, vegetable prints, etc.
- Creates patterns of regular shapes by stamping.

## **Chapter – 10 ( Fraction )**

(i) Half

(ii) Quarter Or One – Fourth

(iii) Three - Quarters Or Three – Fourths

(iv) One – Third

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