

NCERT Syllabus for Class I Maths

Geometry (10 hrs.)

SHAPES & SPATIAL UNDERSTANDING

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

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.

Numbers (46 hrs.)

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
- Counts the number of objects in a collection.
- Makes collection of objects corresponding to a specific number.
- Recognises and speaks numbers from 1 to 9.
- Uses numbers from 1 to 9 in counting and comparison. (Real objects and repeated events like clapping to be used for counting)
- Reads and writes numerals from 1 to 9.
- Adds and subtracts using real objects and pictures.
- Adds and subtracts the numbers using symbols '+' and '-'.
- Approaches zero through the subtraction pattern (such as $3 - 1 = 2$, $3 - 2 = 1$, $3 - 3 = 0$).

NUMBERS FROM (10 - 20)

- 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.

ADDITION AND SUBTRACTION (UPTO 20)

- Adds and subtracts numbers upto 20.

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NUMBERS FROM 21 - 99

- 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.

MENTAL ARITHMETIC

- Adds two single digit numbers mentally.

Money (3 hrs.)

- Identifies common currency notes and coins.
- Puts together small amounts of money.

Measurement (13 hrs.)

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.)

WEIGHT

- Compares between heavy and light objects.

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.

Data Handling (6 hrs.)

- Collects, represents and interprets simple data such as measuring the arm length or circumference of the head using a paper strip.

Patterns (10 hrs.)

- Describes sequences of simple patterns found in shapes in the surroundings and in numbers, e.g., stamping activity using fingers and thumb.
- Completes a given sequence of simple patterns found in shapes in the surroundings and in numbers.