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India



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2.G Geometry

2.G.A Shapes & Spatial Understanding 3-D and 2-D Shapes

2.G.A.1 Observes objects in the environment and gets a qualitative feel for their geometrical attributes.

Shapes of everyday objects I (I-N.9)

Shapes of everyday objects II (I-N.10)

2.G.A.2 Identifies the basic 3-D shapes such as cuboid, cylinder, cone, sphere by their names.

Name the three-dimensional shape (II-O.5)

Select three-dimensional shapes (II-O.6)

2.G.A.3 Traces the 2-D outlines of 3-D objects.

Identify shapes traced from solids (I-N.7)

Identify faces of three-dimensional shapes (I-N.8)

2.G.A.4 Observes and identifies these 2-D shapes.

Name the two-dimensional shape (II-O.1)

Select two-dimensional shapes (II-O.2)

Select three-dimensional shapes (II-O.6)

2.G.A.5 Identifies 2-D shapes viz., rectangle, square, triangle, circle by their names.

Name the two-dimensional shape (II-O.1)

Select two-dimensional shapes (II-O.2)

Select three-dimensional shapes (II-O.6)

2.G.A.6 Describes intuitively the properties of these 2-D shapes.

Symmetry (I-M.7)

Count sides and vertices (II-O.3)

Compare sides and vertices (II-O.4)

2.G.A.7 Identifies and makes straight lines by folding, straight edged objects, stretched strings and draws free hand and with a ruler.

2.G.A.8 Draws horizontal, vertical and slant lines (free hand).

2.G.A.9 Distinguishes between straight and curved lines.

2.G.A.10 Identifies objects by observing their shadows.

2.N Numbers

2.N.1 Reads and writes numerals for numbers up to ninety-nine.

Writing numbers up to 100 in words (II-C.3)

2.N.2 Expands a number with respect to place values.

Place value models - tens and ones (II-J.1)

Place value - tens and ones (II-J.2)

Convert to/from a number - tens and ones (II-J.5)

Convert between place values - tens and ones (II-J.6)

2.N.3 Counts and regroup objects into tens and ones.

Regroup tens and ones (II-J.3)

Regroup tens and ones - ways to make a number (II-J.4)

2.N.4 Uses the concept of place value in the comparison of numbers.

2.N.5 Counts in various ways:

2.N.5.1 Starting from any number.

Counting patterns - up to 100 (II-A.3)

Number lines - up to 100 (II-A.4)

Hundreds chart (II-A.5)

2.N.5.2 Group counting etc.

Skip-counting (II-A.1)

Skip-counting sequences (II-A.2)

Skip-counting stories (II-A.11)

Skip-counting puzzles (II-A.12)

2.N.6 Arranges numbers upto hundred in ascending and descending order.

Comparing numbers up to 100 (II-B.1)

Put numbers up to 100 in order (II-B.2)

Greatest and least - word problems - up to 100 (II-B.3)

2.N.7 Forms the greatest and the smallest two digit numbers with and without repetition of given digits.

Largest/smallest number possible (III-U.2)

2.N.8 Indicates and identifies the position of an object in a line.

Left, middle and right (I-O.3)

Top, middle and bottom (I-O.4)

Location in a grid (I-O.5)

2.N.A Addition and Subtraction

2.N.A.1 Adds and subtracts two digit numbers by drawing representations of tens and ones without and with regrouping.

Add doubles (II-E.4)

Addition input/output tables - sums to 20 (II-E.8)

Complete the addition sentence - one digit (II-E.11)

Write the addition sentence - one digit (II-E.12)
Balance addition equations - one digit (II-E.13)
Add three or more one-digit numbers (II-E.14)
Add three or more one-digit numbers - word problems (II-E.15)
Subtract doubles (II-F.4)
Subtract a one-digit number from a two-digit number up to 18 (II-F.5)
Subtraction input/output tables - up to 18 (II-F.8)
Complete the subtraction sentence - up to 18 (II-F.11)
Write the subtraction sentence - up to 18 (II-F.12)
Balance subtraction equations - up to 18 (II-F.13)
Add multiples of 10 (II-G.1)
Add a two-digit and a one-digit number - without regrouping (II-G.2)
Add a two-digit and a one-digit number - with regrouping (II-G.3)
Add two two-digit numbers - without regrouping (II-G.4)
Add two two-digit numbers - with regrouping (II-G.5)
Write addition sentences to describe pictures (II-G.6)
Addition input/output tables - up to two digits (II-G.7)
Ways to make a number using addition (II-G.8)
Complete the addition sentence - up to two digits (II-G.10)
Write the addition sentence - up to two digits (II-G.11)
Balance addition equations - up to two digits (II-G.12)
Add three or more numbers up to two digits each (II-G.13)
Add three or more numbers up to two digits - word problems (II-G.14)
Subtract multiples of 10 (II-H.1)
Subtract a one-digit number from a two-digit number - without regrouping (II-H.2)
Subtract a one-digit number from a two-digit number - with regrouping (II-H.3)
Subtract two two-digit numbers - without regrouping (II-H.4)
Subtract two two-digit numbers - with regrouping (II-H.5)
Subtraction input/output tables - up to two digits (II-H.7)
Ways to make a number using subtraction (II-H.8)
Complete the subtraction sentence - up to two digits (II-H.10)
Write the subtraction sentence - up to two digits (II-H.11)
Balance subtraction equations - up to two digits (II-H.12)
Fact families (II-I.3)
Add and subtract numbers up to 20 (II-S.1)
Addition and subtraction - ways to make a number - up to 20 (II-S.2)
Addition and subtraction - balance equations - up to 20 (II-S.4)
Input/output tables - write the rule - up to 20 (II-S.5)
Add and subtract numbers up to 100 (II-S.6)
Addition and subtraction - ways to make a number - up to 100 (II-S.7)
Input/output tables - write the rule - up to 100 (II-S.10)
Which sign (+ or -) makes the number sentence true? (II-S.11)
Write addition and subtraction sentences (II-S.12)

2.N.A.2 Adds zero to a number and subtracts zero from a number.

Add zero (II-E.9)
Subtract zero/all (II-F.9)

2.N.A.3 Observes the commutative property of addition through patterns.

Related addition facts (II-I.1)

2.N.A.4 Solves addition, subtraction problems presented through pictures and verbal description.

Addition with pictures - sums to 20 (II-E.6)
Write addition sentences to describe pictures - sums to 20 (II-E.7)

Addition word problems - one digit (II-E.10)
Identify repeated addition in arrays: sums to 10 (II-E.16)
Write addition sentences for arrays: sums to 10 (II-E.17)
Identify repeated addition in arrays: sums to 25 (II-E.18)
Write addition sentences for arrays: sums to 25 (II-E.19)
Subtraction with pictures (II-F.6)
Write subtraction sentences to describe pictures - up to 18 (II-F.7)
Subtraction word problems - up to 18 (II-F.10)
Addition word problems - up to two digits (II-G.9)
Write subtraction sentences to describe pictures - up to two digits (II-H.6)
Subtraction word problems - up to two digits (II-H.9)
Addition and subtraction terms (II-I.4)
Addition and subtraction word problems - up to 20 (II-S.3)
Addition and subtraction word problems - up to 100 (II-S.8)
Addition and subtraction - balance equations - up to 100 (II-S.9)

2.N.A.5 Describes orally the situations that correspond to the given addition and subtraction facts.

2.N.A.6 Estimates the result of addition and subtraction and compares the result with another given number.

Estimate to the nearest ten (II-K.1)
Round to the nearest ten (II-K.2)
Estimate sums (II-K.3)

2.N.B Preparation for Multiplication and Division

2.N.B.1 Discussion of situations involving repeated addition and situations involving equal sharing.

Identify repeated addition in arrays: sums to 10 (II-E.16)
Write addition sentences for arrays: sums to 10 (II-E.17)
Identify repeated addition in arrays: sums to 25 (II-E.18)
Write addition sentences for arrays: sums to 25 (II-E.19)
Relate addition and multiplication (III-R.9)
Relate multiplication and division (III-R.10)

2.N.B.2 Activities of making equal groups.

2.N.C Mental Arithmetic

2.N.C.1 Adds and subtracts single digit numbers mentally.

Review - add one-digit numbers - sums to 10 (II-E.1)
Review - ways to make a number - sums to 10 (II-E.2)
Add one-digit numbers (II-E.5)
Review - subtract one-digit numbers - up to 10 (II-F.1)
Review - ways to subtract - up to 10 (II-F.2)

2.N.C.2 Adds and subtracts multiples of ten mentally.

Add multiples of 10 (II-G.1)
Subtract multiples of 10 (II-H.1)

2.N.9 Numbers

2.MON Money

2.MON.1 Identifies currency - notes and coins.

Coin values (II-L.1)

2.MON.2 Puts together amounts of money not exceeding Rs 50/-.

Count money - up to 10 rupees (II-L.2)

Count money - up to 50 rupees (II-L.3)
Equivalent amounts of money - up to 10 rupees (II-L.4)
Equivalent amounts of money - up to 50 rupees (II-L.5)
Exchanging coins (II-L.6)
Comparing groups of coins (II-L.7)
Which picture shows more - up to 10 rupees (II-L.9)
Which picture shows more - up to 50 rupees (II-L.10)
Least number of coins (II-L.11)

2.MON.3 Adds and subtracts small amounts of money mentally.

Add and subtract money - word problems - up to 10 rupees (II-L.8)

2.MON.4 Transacts an amount using 3-4 notes.

Purchases - do you have enough money - up to 10 rupees (II-L.12)
Purchases - do you have enough money - up to 50 rupees (II-L.13)
Making change (II-L.14)

2.MEA Measurement

2.MEA.A Length**2.MEA.A.1 Measures lengths & distances along short & long paths using uniform (non-standard) units, extends to longer lengths.**

Long and short (II-P.1)
Tall and short (II-P.2)

2.MEA.B Weight**2.MEA.B.1 Compares two or more objects by their weight.**

Light and heavy (II-P.3)

2.MEA.B.2 Appreciates the need for a simple balance.**2.MEA.B.3 Compares weights of given objects using simple balance.****2.MEA.C Capacity (Volume)****2.MEA.C.1 Compares and orders containers in terms of internal volume (capacity).**

Holds more or less (II-P.4)

2.MEA.C.2 Orders given containers as per their capacities on the basis of perception & verifies by pouring out etc.**2.MEA.D Time****2.MEA.D.1 Gets familiar with the days of the week and months of the year.**

Days of the week (II-M.1)
Read a calendar (II-M.3)
Months of the year (II-M.4)
Number of days in each month (II-M.5)
Relate time units (II-M.6)

2.MEA.D.2 Gets a feel for sequence of seasons (varying locally).

Seasons (II-M.2)

2.MEA.D.3 Sequences the events occurring over longer periods in terms of dates/days.

2.DH Data Handling

2.DH.1 Collects data through measurement.

Record data with tally charts, picture graphs, tables (II-N.1)

2.DH.2 Represents the data followed by discussion (e.g. heights of children).

2.DH.3 Collects and presents the data on birthdays.

2.DH.4 Draws inferences from the data at the appropriate level.

Interpret data in tally charts, picture graphs, tables (II-N.2)

2.P Patterns

2.P.1 Observes and extends patterns in sequence of shapes and numbers.

Skip-counting sequences (II-A.2)

Counting patterns - up to 100 (II-A.3)

Repeating patterns (II-D.1)

Growing patterns (II-D.2)

Find the next shape in a pattern (II-D.3)

Complete a repeating pattern (II-D.4)

Make a repeating pattern (II-D.5)

Find the next row in a growing pattern (II-D.6)

2.P.2 Searches for patterns in different ways of splitting a number.

Number lines - up to 100 (II-A.4)

Review - ways to make a number - sums to 10 (II-E.2)

Add doubles (II-E.4)

Ways to make a number using addition (II-G.8)

Ways to make a number using subtraction (II-H.8)

Addition and subtraction - ways to make a number - up to 20 (II-S.2)

Addition and subtraction - ways to make a number - up to 100 (II-S.7)

2.P.3 Creates block patterns by stamping thumbprints, leaf prints, vegetable prints, etc.

2.P.4 Creates patterns of regular shapes by stamping.