Learning　　Analytics　　　　　　　　　　　　　　　MEMBERSHIP

Maths　　　　　　　English　　　　　National curriculum　　　　　Awards

India:　MATHS　ı　ENGLISH

Info ı **Class I** ı Class II ı Class III ı Class IV ı Class V ı Class VI ı Class VII ı Class VIII ı Class IX ı Class X ı Class XI ı Class XII

India

Skills available for India class I maths curriculum

Objectives are in black and IXL maths skills are in dark green. Hold your mouse over the name of a skill to view a sample question. Click on the name of a skill to practise that skill.

Showing alignments for:

National Council of Education Research and Training Syllabus

Actions

Print curriculum

1.G Geometry

1.G.A Shapes & Spatial Understanding

1.G.A.1 Develops and uses vocabulary of spatial relationship (Top, Bottom, On, Under, Inside, Outside, Above, Below, Near, Far, Before, After)

Inside and outside (U-G.1)

Above and below (I-O.1)

Beside and next to (I-O.2)

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

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

Location in a grid (I-O.5)

1.G.B Solids Around Us

1.G.B.1 Collects objects from the surroundings having different sizes and shapes like pebbles, boxes, balls, cones, pipes, etc.

1.G.B.2 Sorts, Classifies and describes the objects on the basis of shapes, and other observable properties.

Same (U-L.1)

Different (U-L.2)

Same and different (U-L.3)

Classify shapes by colour (U-L.4)

Sort shapes into a Venn diagram (U-L.8)

Spheres (U-R.3)

Cubes (U-R.4)

Cones (U-R.5)

Cylinders (U-R.6)

Select three-dimensional shapes (U-R.7)

Two-dimensional and three-dimensional shapes (I-N.1)

Cubes and rectangular prisms (I-N.3)

Select three-dimensional shapes (I-N.4)

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

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

Long and short (I-Q.1)

Tall and short (I-Q.2)

Light and heavy (I-Q.3)

Compare size and mass (I-Q.4)

Count shapes in a Venn diagram (I-U.2)

1.G.B.3 Observes and describes the way shapes affect movements like rolling and sliding.

1.G.B.4 Sorts 2-D shapes such as flat objects made of card etc.

Name the two-dimensional shape (U-Q.1)

Circles (U-Q.2)

Squares and rectangles (U-Q.3)

Hexagons (U-Q.4)

Select two-dimensional shapes (U-Q.5)

Identify shapes traced from solids (U-R.8)

Name the two-dimensional shape (I-M.1)

Count sides and vertices (I-M.3)

Compare sides and vertices (I-M.4)

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

1.N Numbers

1.N.A Developing a Sense of Numberness, Counting and Operations of Numbers 1 - 9 and Zero

1.N.A.1 Observes object and makes collections of objects.

Count to 3 (U-A.2)

Count using stickers - up to 3 (U-A.3)

Represent numbers - up to 3 (U-A.6)

Count to 5 (U-B.2)

Count using stickers - up to 5 (U-B.3)

Represent numbers - up to 5 (U-B.6)

One more - up to 5 (U-B.7)

One less - up to 5 (U-B.9)

Count to 10 (U-C.2)

Count using stickers - up to 10 (U-C.3)

Represent numbers - up to 10 (U-C.6)

One more and one less - up to 10 (U-C.11)

Count up and down - with numbers (U-C.13)

Tally marks - up to 10 (U-C.15)

Number lines - up to 10 (U-C.16)

Before, after and between - up to 10 (U-C.17)

Count forward and backward - up to 10 (U-C.18)

Names of numbers - up to 10 (U-C.19)

Complete a sequence - up to 10 (U-C.20)

Counting review - up to 10 (I-A.1)

1.N.A.2 Arranges the collection of objects in order by

1.N.A.2.a Matching and

Select two-dimensional shapes (I-M.2)

Select three-dimensional shapes (I-N.4)

1.N.A.2.b One to one correspondence

1.N.A.3 Counts the number of objects in a collection.

Counting review - up to 10 (I-A.1)

Counting review - up to 20 (I-A.3)

Counting tens and ones - up to 30 (I-A.4)

Count on ten frames - up to 40 (I-A.5)

Counting - up to 100 (I-A.6)

Counting tens and ones - up to 99 (I-A.7)

Counting by twos, fives and tens with pictures (I-A.8)

1.N.A.4 Makes collection of objects corresponding to a specific number.

1.N.A.5 Recognises and speaks numbers from 1 to 9.

Counting review - up to 10 (I-A.1)

1.N.A.6 Uses numbers from 1 to 9 in counting and comparison. (Real objects and repeated events like clapping to be used for counting)

Comparing numbers up to 10 (I-K.2)

1.N.A.7 Reads and writes numerals from 1 to 9.

Writing numbers in words (I-A.21)

1.N.A.8 Adds and subtracts using real objects and pictures.

Add with pictures - sums up to 10 (I-C.1)

Addition sentences - sums up to 10 (I-C.2)

Subtract with pictures - numbers up to 10 (I-G.1)

Subtraction sentences - numbers up to 10 (I-G.2)

1.N.A.9 Adds and subtracts the numbers using symbols '+' and '-'.

Addition sentences using number lines - sums up to 10 (I-C.3)

Adding zero (I-C.4)

Adding 1 (I-D.1)

Adding 2 (I-D.2)

Adding 3 (I-D.3)

Adding 4 (I-D.4)

Adding 5 (I-D.5)

Adding 6 (I-D.6)

Adding 7 (I-D.7)

Adding 8 (I-D.8)

Adding 9 (I-D.9)

Adding 0 (I-D.10)

Addition facts - sums up to 10 (I-E.1)

Ways to make a number - addition sentences (I-E.2)

Make a number using addition - sums up to 10 (I-E.3)

Complete the addition sentence - sums up to 10 (I-E.4)

Addition word problems - sums up to 10 (I-E.5)

Addition sentences for word problems - sums up to 10 (I-E.6)

Addition facts - sums up to 18 (I-E.7)

Addition word problems - sums up to 18 (I-E.9)

Addition facts - sums up to 20 (I-E.11)

Related addition facts (I-E.14)

Addition sentences: true or false? (I-E.15)

Add doubles (I-F.1)

Complete the addition sentence - make ten (I-F.5)

Add three numbers - make ten (I-F.6)

Add three numbers (I-F.9)

Add three numbers - word problems (I-F.10)

Subtraction sentences using number lines - numbers up to 10 (I-G.3)

Subtracting 1 (I-H.1)

Subtracting 2 (I-H.2)

Subtracting 3 (I-H.3)

Subtracting 4 (I-H.4)

Subtracting 5 (I-H.5)

Subtracting 6 (I-H.6)

Subtracting 7 (I-H.7)

Subtracting 8 (I-H.8)

Subtracting 9 (I-H.9)

Subtracting 0 (I-H.10)

Subtraction facts - numbers up to 10 (I-I.1)

Ways to make a number - subtraction sentences (I-I.2)

Ways to subtract from a number - subtraction sentences (I-I.3)

Make a number using subtraction - numbers up to 10 (I-I.4)

Complete the subtraction sentence (I-I.5)

Subtraction word problems - numbers up to 10 (I-I.6)

Subtraction sentences for word problems - numbers up to 10 (I-I.7)

Subtraction facts - numbers up to 18 (I-I.8)

Subtraction word problems - numbers up to 18 (I-I.10)

Related subtraction facts (I-I.13)

Subtraction sentences: true or false? (I-I.14)

Subtract doubles (I-J.2)

1.N.A.10 Approaches zero through the subtraction pattern (such as 3 − 1 = 2, 3 − 2 = 1, 3 − 3 = 0).

Subtract zero and all (I-G.4)

Ways to make a number - subtraction sentences (I-I.2)

1.N.B Numbers From (10 - 20)

1.N.B.1 Forms Number sequence from 10 to 20.

Show numbers on ten frames - up to 20 (U-D.3)

Number lines - up to 20 (U-D.7)

Complete a sequence - up to 20 (U-D.11)

Put numbers up to 20 in order (U-L.11)

Counting review - up to 20 (I-A.3)

1.N.B.2 Counts objects using these numbers.

Count on ten frames - up to 20 (U-D.2)

Represent numbers - up to 20 (U-D.4)

Tally marks - up to 20 (U-D.6)

Counting review - up to 20 (I-A.3)

1.N.B.3 Groups objects into a group of 10s and single objects.

Count tens and ones - up to 20 (U-D.12)

Place value models - tens and ones (I-B.1)

1.N.B.4 Develops the vocabulary of group of 'tens' and 'ones'.

Count tens and ones - up to 20 (U-D.12)

1.N.B.5 Shows the group of tens and ones by drawing.

Place value models - tens and ones (I-B.1)

1.N.B.6 Counts the number of tens and ones in a given number.

Count tens and ones - up to 20 (U-D.12)

1.N.B.7 Writes the numerals for eleven to nineteen.

Writing numbers in words (I-A.21)

1.N.B.8 Writes numerals for ten and twenty.

Writing numbers in words (I-A.21)

1.N.B.9 Compares numbers upto 20.

Comparing - review (I-K.1)

Comparing numbers up to 10 (I-K.2)

Comparison word problems (I-K.4)

1.N.C Addition and Subtraction (up to 20)

1.N.C.1 Adds and subtracts numbers up to 20.

Write tens and ones - up to 30 (I-B.3)

Write tens and ones - up to 100 (I-B.4)

Add with pictures - sums up to 10 (I-C.1)

Addition sentences - sums up to 10 (I-C.2)

Addition sentences using number lines - sums up to 10 (I-C.3)

Adding 1 (I-D.1)

Adding 2 (I-D.2)

Adding 3 (I-D.3)

Adding 4 (I-D.4)

Adding 5 (I-D.5)

Adding 6 (I-D.6)

Adding 7 (I-D.7)

Adding 8 (I-D.8)

Adding 9 (I-D.9)

Adding 0 (I-D.10)

Addition facts - sums up to 10 (I-E.1)

Ways to make a number - addition sentences (I-E.2)

Make a number using addition - sums up to 10 (I-E.3)

Addition word problems - sums up to 10 (I-E.5)

Addition sentences for word problems - sums up to 10 (I-E.6)

Addition facts - sums up to 18 (I-E.7)

Addition sentences using number lines - sums up to 18 (I-E.8)

Addition word problems - sums up to 18 (I-E.9)

Addition sentences for word problems - sums up to 18 (I-E.10)

Addition facts - sums up to 20 (I-E.11)

Make a number using addition - sums up to 20 (I-E.12)

Addition sentences for word problems - sums up to 20 (I-E.13)

Addition sentences: true or false? (I-E.15)

Add using doubles plus one (I-F.2)

Add using doubles minus one (I-F.3)

Add three numbers - use doubles (I-F.4)

Complete the addition sentence - make ten (I-F.5)

Add three numbers - make ten (I-F.6)

Subtract with pictures - numbers up to 10 (I-G.1)

Subtraction sentences using number lines - numbers up to 10 (I-G.3)

Subtracting 1 (I-H.1)

Subtracting 2 (I-H.2)

Subtracting 3 (I-H.3)

Subtracting 4 (I-H.4)

Subtracting 5 (I-H.5)

Subtracting 6 (I-H.6)

Subtracting 7 (I-H.7)

Subtracting 8 (I-H.8)

Subtracting 9 (I-H.9)

Subtracting 0 (I-H.10)

Subtraction facts - numbers up to 10 (I-I.1)

Ways to make a number - subtraction sentences (I-I.2)

Ways to subtract from a number - subtraction sentences (I-I.3)

Make a number using subtraction - numbers up to 10 (I-I.4)

Subtraction facts - numbers up to 18 (I-I.8)

Subtraction sentences using number lines - numbers up to 18 (I-I.9)

Subtraction word problems - numbers up to 18 (I-I.10)

Subtraction sentences for word problems - numbers up to 18 (I-I.11)

Make a number using subtraction - numbers up to 20 (I-I.12)

Subtraction sentences: true or false? (I-I.14)

Addition and subtraction - ways to make a number (I-W.1)

Which sign makes the number sentence true? (I-W.2)

Fact families (I-W.3)

Addition and subtraction facts - numbers up to 10 (I-W.4)

Addition and subtraction facts - numbers up to 18 (I-W.5)

Addition and subtraction word problems (I-W.6)

Addition and subtraction terms (I-W.7)

1.N.D Numbers from 21 - 99

1.N.D.1 Writes numerals for Twenty-one to Ninety nine. Groups objects into tens and ones.

1.N.D.2 Draws representation for groups of ten and ones.

Place value models - tens and ones (I-B.1)

Place value models - up to hundreds (I-B.2)

1.N.D.3 Groups a number orally into tens and ones.

Write tens and ones - up to 30 (I-B.3)

Write tens and ones - up to 100 (I-B.4)

1.N.E Mental arithmetic

1.N.E.1 Adds two single digit numbers mentally.

Addition facts - sums up to 10 (I-E.1)

Addition facts - sums up to 18 (I-E.7)

Add a one-digit number to a two-digit number - without regrouping (I-E.16)

Add a one-digit number to a two-digit number - with regrouping (I-E.17)

1.MNY Money

1.MNY.1 Identifies common currency notes and coins.

Coin values (I-R.1)

1.MNY.2 Puts together small amounts of money.

Count coins (I-R.2)

Count notes (I-R.3)

1.MEA Measurement

1.MEA.A Length

1.MEA.A.1 Distinguishes between near, far, thin, thick, longer/taller, shorter, high, low.

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

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

Location in a grid (I-O.5)

Long and short (I-Q.1)

Tall and short (I-Q.2)

1.MEA.A.2 Seriates objects by comparing their length.

Long and short (I-Q.1)

Tall and short (I-Q.2)

1.MEA.A.3 Measures short lengths in terms of non-uniform units (in the context of games e.g. 'Gilli Danda' and 'marblegames').

1.MEA.A.4 Estimates distance and length, and verifies using nonuniform units (e.g. hand span etc.)

1.MEA.B Weight

1.MEA.B.1 Compares between heavy and light objects.

Light and heavy (I-Q.3)

1.MEA.C Time

1.MEA.C.1 Distinguishes between events occurring in time using terms - earlier and later.

1.MEA.C.2 Gets the qualitative feel of long & short duration, of school days v/s holidays.

Days of the week (I-V.1)

Seasons of the year (I-V.2)

Read a calendar (I-V.3)

Months of the year (I-V.4)

1.MEA.C.3 Narrates the sequence of events in a day.

1.DH Data Handling

1.DH.1 Collects, represents and interprets simple data such as measuring the arm length or circumference of the head using a paper strip.

Record data with tally charts, picture graphs, tables (I-P.1)

Interpret data in tally charts, picture graphs, tables (I-P.2)

1.P Patterns

1.P.1 Describes sequences of simple patterns found in shapes in the surroundings and in numbers, e.g. stamping activity using fingers and thumb.

Introduction to patterns (I-S.1)

Make a pattern (I-S.4)

1.P.2 Completes a given sequence of simple patterns found in shapes in the surroundings and in numbers.

Skip-counting patterns - with tables (I-A.17)

Sequences - count up and down by 1, 2, 3, 5 and 10 (I-A.18)

Sequences - count up and down by 100 (I-A.19)

Find the next shape in a pattern (I-S.2)

Complete a pattern (I-S.3)

Growing patterns (I-S.5)

Find the next shape in a growing pattern (I-S.6)

Find the next row in a growing pattern (I-S.7)