Competition Levels

Level-1	Level-2	Level-3	Level-4	Level-5	Level-6	Level-7
Quarter-1-Prelims	Quarter-1-Nationals	Quarter-2-Prelims	Quarter-2-Nationals	Quarter-3-Prelims	Quarter-3-Nationals	Jumbo Nationals

The qualifiers from each prelim can participate in the respective National Championship.

The participants of the Jumbo National Championship will be the qualifiers from the National Championships based on an average percentile of the four National Championships.

The prelims will comprise of written rounds. The National Championship and the Jumbo National Championship will have written and oral rounds

Grade-6: Syllabus Spread

Quarter -1 Prelims & National Championsip

1. Fun with Numbers
   Numbers and Operations
   a. Indian and international system (8digits)
   b. Place and face value, expand, standard form
   c. Rounding numbers
   d. Story sums all 4 operations (addition, subtraction, multiplication and division)
   e. Average sums
   f. Arranging numbers ascending order and descending order.
   g. Building smallest and largest 8-digit numbers with and without repetition of given digits.
   h. Successor and Predecessor.
   i. Estimating sums, differences and products of given numbers.

Roman Numerals
   a. All 7 symbols
   b. Addition/subtraction/multiplication/division – using symbols

2. The Integers
   a. Introduction to natural numbers/whole numbers / number line
   b. Addition/ subtraction/ multiplication and division with integers

Factors and Multiples
   a. Properties of factors and multiples
   b. Introduction to prime/composite/twain prime and co- prime numbers
   c. Divisibility rules (2;3;4;5;6;8;9;10;11)
   d. HCF and LCM

Quarter -2 Prelims & National Championship
Chapters for Quarter 1 Plus the following chapters:

4. Fractions- (shaded/ Unshaded)
   a. Colouring the shaded/unshaded fractions
   b. Types of fraction
   c. Conversion of fraction (mixed to proper and vice versa),
   d. Addition/subtraction and comparing - unlike fractions, equivalent fractions, adding and subtracting fractions and fractions multiplied by a whole number.
   e. Equalize Numerators/ denominators
   f. Reciprocal of fraction and "OF" operator
   g. Story sums

Decimals
   a. Adding, subtraction, multiplying , sdividing and Comparing
   b. Conversion
   c. BODMAS

5. Measurements – Length /Weight/ Capacity
   a. Comparing the quantitites
   b. Conversions
   c. Story sum – using all 4 operations (all quantities)

6. Time and Temperature
   Elapsed time
   Temperature
   a. 2 units – Fahrenheitand Celsius
   b. Classify the temperature
   c. Conversion

7. Data handling - Tally Marks & Bar Graph
   a. Tally marks (identify and plotting)
   b. Bar graph (reading the bar graph and answering)
   c. Plotting the bar graph
   d. Drawing conclusions from the data.
   e. Pictograph
   f. Line graphs

Introduction to Algebra
   a. Fundamental operations
   b. Like terms and unlike terms
   c. Find value of variable
   d. Simple equations (solve)

Quarter -3 Prelims & National Championship
Chapters for Quarter 2 Plus the following chapters:

8. Money - (Bill & Currency)
   a. Identifying Indian coins and notes (currency)
   b. Reverse and Obverse sides of the coin
   c. Putting together small amounts of money.
   d. Adding ,subtracting, multiplying and division.
      • Making a Bill
      • Comparison

9. Geometry
   Fundamental understanding(2D/3D) Shapes

Lines and angles
   a. Concepts – point, line ,ray , line segment, parallel lines, intersecting angles, collinear, non collinear
   b. Types of triangles and angles
   c. Classify angles on the basis of measurement
   d. Measuring an angle
   e. Complementary, supplementary, reflex, straight and linear pair of angles
   f. Properties of angles and lines

Area and Perimeter
   a. Area and perimeter of irregular shapes by counting squares
   b. Area and perimeter of regular polygon (measurement)
   c. Circle – radius, diameter, minor segment, major segment, sector

Symmetry
   a. Knowing the lines of symmetry
   b. Turning the shapes (½ ; ¼ ; ¾ and full)
   c. Elementary shapes and angles

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