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-4: Syllabus Spread

Quarter -1 Prelims & National Championsip

1. Fun with Numbers
   Numbers and Operations
   a. adding and subtracting (5 digits)
   b. place value of ones, tens and hundreds,thousands
   c. Rounding numbers to the nearest 10 /100/1000/10000
   d. Relationship between addition and subtraction
   e. Repeatedaddition (multiplication)
   f. Repeated subtraction(division)
   e. Multiply and divide within 100
   f. Arranging numbers ascending order and descending order.
   g. Building smallest and largest three-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. Patterns
   a. Identifies patterns in multiplication and division
   b. Multiplying and dividing by 10s, 100s,1000s
   c. Identifying geometrical patterns based on symmetry
   d. Skip counting addition and subtraction

3. Operations - Addition/ Subtraction/ Multiplication
   a. Vertical and horizontal (operations) (word problems addition and subtraction and simple multiplication)
   b. Multiplication and estimate
   c. Divide and verify

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

4. Fractions- (shaded/ Unshaded)
   a. Colouring the shaded/unshaded fractions
   b. Concept of types of fraction, mixed numbers, comparing fractions, equivalent fractions, adding and subtracting fractions and fractions multiplied by a whole number.
   c. Equalize Numerators/ denominators
   d. Story sums

5. Measurements – Length /Weight/ Capacity
   a. Comparing the quantitites
   b. Addition and subtraction to equalize both sides LHS and RHS
   c. Conversions

   Measurement (Length)
   a. Relating metre with centimetre;
   b. Converting metre into centimetres and vice versa.
   c Solving problems involving length and distances.
   d. Estimating the length of an object and the distance between two given locations.

   Measurement (Weight)
   a. Weighing objects using a balance and standard units.
   b. Determining the sums and differences of weights.
   c. Estimates the weight of an object and verifying using a balance.

   Measurement (Volume)
   a. Measuring volumes of given liquid using containers marked with standard units.
   b. Determining sums and differences of volumes.
   c. Estimating the volume of a liquid contained in a vessel and verifying by measuring.

6. Time
   a. Reading 12hr/24 hrclock, time intervals, am & pm
   b. Elapsed time
   c. Knowing Calendar
   d. Knowing the days and months
   e. Converting units of time - Seconds, minutes, hours, days, weeks and years
   f. Understanding the duration of long and short time intervals.
   g. Expressing time, using the terms, 'a.m.' and 'p.m.'
   h. Estimating the duration of familiar events.
   i. Computing the number of days between two dates.
   j. Time word problems

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

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 and subtracting small amounts mentally.
      • Understand the transaction of an amount using 2-3 notes
      • Identify the rate of the object
      • Making a Bill
      • Comparison

9. Geometry
   a. Fundamental understanding(2D/3D) Shapes
   b. Knowing the 2D/3D shapes and its sides and their names
   c. Drawing of 3D shapes with measurements
   d. Area and perimeter of irregular shapes by counting squares
   e. Area and perimeter of rectangles
   f. Concepts – point, line and ray
   g. Types of triangles and angles