



## SYLLABUS - STANDARD 4

### PART A – MATHEMATICAL REASONING

#### NUMBER WORLD

Number, Number Types, Roman Numbers, Number System, Face value, Place value, Expanded Form, Skip Counting, Comparison, Rules of Divisibility

#### BOBO IN COMPUTATION WORLD

Addition, Subtraction, Multiplication, Division, Order of Operation

#### MAGIC OF UNIT

Unitary Method, Rules in Unitary Methods

#### I'LL BE YOUR FACTOR IF YOU ARE MY MULTIPLE

Factors, Rules of Divisibility, Prime Number, Prime triplets, Perfect Number, Common Factors, Multiples, Common Multiples, HCF & LCM

#### SLICE OF CAKE

Fraction, Properties of Fraction, Types of Fractions, Equivalent Fractions, Simplification of Fractions, Comparing and Ordering Fraction, Operations on Fraction

#### MERRY GO AROUND WITH DECIM

Decimals, Expanded form of decimals, Decimal Places, Conversion of decimals into fractions, Equivalent Decimals, Like and Unlike Decimals, Comparing Decimals, Operations on decimals, Rounding off decimals

#### PER CENT MACHINE

Percentage, Conversion Factors, Fraction to Percent, Mixed Fraction to Percent, Decimal to Percent, Percent to Fraction, Percent to Decimal, Finding percent of a number, Percent and Percentage

#### HORNBOOK OF RATIO AND PROPORTION

Ratio, Order of number in a ratio, Comparison of Ratio, Rate, Proportion, Unitary method, Direct and Inverse variation, Average, Distance, Time and Speed

#### LET'S MEASURE

Measurement of Length, Measurement of Mass, Measurement of Capacity, Addition and Subtraction of Metric Measures, Temperature – Conversion Factors, Time, Calendar

#### MONEY TIME

Money, Conversion Factors, Calculating money, Cost Price and Selling Price, Profit and Loss, Percentage of Loss or Gain

#### FUN WITH SHAPES

Plane, Plane figures, Closed and open figures, Point, Line, Ray, Angles, Polygons, Triangles, Quadrilaterals, Circle, Congruent Figures, Similar Figures

#### HOW TO MEASURE AN OBJECT?

Perimeter of Triangle, Square and Rectangle, Area of Triangle, Square and Rectangle, Volume of Cube and Cuboid

#### WAYS TO HANDLE DATA

Data, Types of Graphs, Pictograph, Bar Graph, Line Graph, Pie Chart

### PART B – LOGICAL REASONING

Patterns, Ranking Test and Alphabet Test, Coding - Decoding, Figure Matrix and Mirror Images, Direction Sense Test, Higher Order Thinking Questions