

Olympiad Syllabus Class 5

1. Numbers and Numeration

- Writing Big Numbers in words and digits.
- Expanding and Comparing Numbers

2. Roman Numerals

- Roman Numbers
- Addition in Roman Numbers
- Subtraction in Roman Numbers

3. Operations on Numbers

- Addition of Big Numbers
- Subtraction of Big Numbers
- Multiplication of Big Numbers
- Brackets and Multiplication
- Division of Big Numbers
- Estimating and Rounding

4. Factors and Multiples

- Factors and Multiples of a number
- Prime and Composite numbers
- Divisibility Tests
- LCM and HCF of numbers
- Application of LCM and HCF

5. Fractions

- Introduction to fractions
- Types of Fractions
- Equivalent Fraction
- Comparing Fractions

- Addition of Fractions
- Subtraction of Fractions
- Multiplication of fraction
- Division of Fractions
- Simplification of Fractions

6. Decimals

- Decimals Reading and writing
- Converting - Fractions to decimals and vice versa
- Types of Decimal
- Addition of Decimals
- Subtraction of Decimals
- Multiplication of Decimals
- Division of Decimals
- Simplifying Decimals
- Decimals - Rounding off

7. Money

- Profit and Loss
- Conversion of units of money
- Unit prices of objects and materials
- Bills

8. Percentage

- Introduction to Percentages and Conversions
- Interpreting Percentages
- Percentage of a number

9. Measurement

- Units of length
- Units of Weight

- Units of Capacity
- Operations on measurement: Add and subtract
- Operations on measurement: Multiply and divide
- Measuring Temperature

10. Speed, distance, and Time

- Calculate Speed
- Calculate Time
- Calculate Distance

11. Mensuration

- Perimeter
- Concept of Area
- Area and Perimeter
- Volume for cube and cuboid

12. Symmetry

- Symmetric and Asymmetric Figures
- Reflection and Rotation
- Turns

13. Data handling

- Collecting and organizing data
- Bar graphs
- Pie-charts
- Line graphs and Family Tree