

## SYLLABUS 2026-2027

**Class : 4**

**Subject : MATHEMATICS**

**Book : Foundation Mathematics - 4**

**Publisher : GOYAL BROTHERS PRAKASHAN**

**Book : MATHEMATICS PRACTICE BOOK GRADE 4 ELEVENTH EDITION 2026**

**Publisher : INTEGRAL PUBLISHERS**

### Term 1

- 1. Multiplication (2 and 3-digit numbers by a number upto 2-digit)**
  - Forming tables up to 20 (till 15 times)
  - Horizontal multiplication
  - Standard algorithm
  - Mixed Word Problems (Related to addition, subtraction and multiplication)
- 2. Division (2, 3 and 4-digit number by a number up to 2-digit)**
  - Relationship between multiplication and division
  - Short and long division methods
  - Division using Place Value

### Term 2

- 1. Data Handling**
  - Collect and classify data to represent on a pictograph and bar graph
  - Create a bar graph and a pictograph
  - Interpret and analyze a pictograph and bar graph
- 2. Measurement (Integrated with Numbers upto 99,99,999/+/-)**
  - Concept of length, width, height, depth, mass, capacity and volume
  - Relationship between different units of measurement
  - Conversion of units from bigger to smaller units
  - Comparison of quantities

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- Addition and subtraction of quantities
- Difference between volume and capacity
- Conversion of smaller units to bigger units
- Problems based on Length, Mass and Capacity

### 3. Time

- Reading time in hours and minutes and express the time in a.m. and p.m.
- Relate 24-hour clock with respect to 12-hour clock
- Conversion of units of time
- Calculate time intervals and duration of an activity

### 4. Application of Operations

- Mixed word problems based on all the four operations – addition, subtraction, multiplication and division

## Term 3

### 1. Multiples and Factors

- Tests of divisibility by 2, 3, 4, 5, 6, 7, 9 and 10
- Factors, common factors and highest common factor (H.C.F.)
- Multiples, common multiples and lowest common multiple (L.C.M.)
- Concept of prime and composite numbers
- Prime factorization
  - Factor tree method
  - Division method
- H.C.F. and L.C.M.(listing method and division method)

### 2. Fractional Numbers

- Concept of Fractional Numbers
- Types of fractions (like, unlike, unit, equivalent)
- Addition and Subtraction of Like and Unlike Fractions
- Difference between Equal and Equivalent Fractions

## Term 4

### 1. Geometrical Shapes

- Construction of line segment
- Terms like point, side, face, line, line segment and parallel lines

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- Naming of the figures
- Drawing 2D shapes using a 3D objects
- Tessellations

## **2. Perimeter and Area**

- Compute the area and perimeter of a simple shape using the grid
- Derive the formulae of area and perimeter of a rectangle and a square
- Word problems on area and perimeter

## **3. Patterns**

- Growing and reducing patterns
- Generalize the rule to extend a growing/reducing pattern of shapes or numbers

## **4. Numbers (up to 7 digits) and Place value**

- Place Value and Face Value of Numbers beyond 9,99,999

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### **Contact Us**

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