



Curriculum

Mathematics

Grade 1

- **Chapters (Logical Reasoning)**

Numbers; Addition; Subtraction; Comparison; Measurement; Time and Calendar; Money; Shapes; Patterns; Data Handling

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 2

- **Chapters (Logical Reasoning)**

Numbers; Addition; Subtraction; Multiplication; Division; Measurement; Time and Calendar; Money; Shapes; Patterns; Data Handling

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 3

- **Quantitative Aptitude**

Numbers; Addition; Subtraction; Multiplication; Division; Fractions; Measurement; Time and Calendar; Money; Shapes; Patterns; Data Handling

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 4

- **Quantitative Aptitude**

Numbers; Addition and Subtraction; Multiplication and Division; Factors and Multiples; Fractions; Decimals; Measurement and Money; Time and Calendar; Geometrical Figures; Perimeters and Areas; Patterns and Symmetry; Data Handling

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 5

- **Quantitative Aptitude**

Large Numbers; Four Operations; LCM and HCF; Fractions; Decimals; Measurement and Money; Time and Calendar; Basic Geometry; Perimeters and Areas; Solid Figures and Volumes; Patterns and Symmetry; Data Handling

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Missing Numbers, Completion of Incomplete Pattern, Symmetry

Grade 6

- **Quantitative Aptitude**

Number System; Whole Numbers; Playing with Numbers; Geometry; Integers; Fractions; Decimals; Mensuration; Algebra; Ratio and Proportion; Data Handling; Symmetry and Practical Geometry

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 7

- **Quantitative Aptitude**

Integers; Fractions and Decimals; Data Handling; Simple Equations; Lines and Angles; The Triangle and its Properties; Congruence of Triangles; Comparing Quantities; Rational Numbers; Practical Geometry; Perimeter and Area; Algebraic Expressions; Exponents and Powers; Symmetry and Visualising Solid Shapes

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 8

- **Quantitative Aptitude**

Rational Numbers; Linear Equations in One Variable; Understanding Quadrilaterals; Practical Geometry; Data Handling; Squares and Square Roots; Cubes and Cube Roots; Comparing Quantities; Algebraic Expressions and Identities; Visualising Solid Shapes; Mensuration; Exponents and Powers; Direct and Inverse Proportions; Factorisation; Introduction to Graphs; Playing with Numbers

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 9

- **Quantitative Aptitude**

Number System; Polynomials; Coordinate Geometry; Linear Equations in Two Variables; Introduction to Euclid's Geometry; Lines and Angles; Triangles; Quadrilaterals; Areas of Parallelograms and Triangles; Circles; Constructions; Heron's Formula; Areas and Volumes; Statistics and Probability

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial

Grade 10

- **Quantitative Aptitude**

Real Numbers; Polynomials; Pair of Linear Equations in Two Variables; Quadratic Equations; Arithmetic Progressions; Triangles; Coordinate Geometry; Introduction to Trigonometry; Some Applications of Trigonometry; Circles; Constructions; Areas Related to Circles; Surface Areas and Volumes; Statistics; Probability

- **Competency Enhancement**

As chapters mentioned in the OGO Mathematics Prepbook.

- **Quantitative Aptitude**

Critical Thinking, Analysis, Shapes and Patterns, Puzzle, Decoding, Pictorial