6th CBSE MATHEMATICS SYLLABUS

Chapter 1

Knowing Our Numbers

- Introduction
- Comparing Numbers
- Large Numbers in Practice
- Using Brackets
- Roman Numerals

Chapter 2

Whole Numbers

- Introduction
- Whole Numbers
- The Number Line
- Properties of Whole Numbers
- Patterns in Whole Numbers

Chapter 3

Playing with Numbers

- Introduction
- Factors and Multiples
- Prime and Composite Numbers
- Tests for Divisibility of Numbers
- Common Factors and Common Multiples
- Some More Divisibility Rules
- Prime Factorisation
- Highest Common Factor
- Lowest Common Multiple
- Some Problems on HCF and LCM

Chapter 4

Basic Geometrical Ideas

- Introduction
- Points
- A Line Segment
- A Line
- Intersecting Lines
- Parallel Lines
- Ray

- Curves
- Polygons
- Angles
- Triangles
- Quadrilaterals
- Circles

Chapter 5

Understanding Elementary Shapes

- Introduction
- Measuring Line Segments
- Angles – 'Right' and 'Straight'
- Angles – 'Acute', 'Obtuse' and 'Reflex'
- Measuring Angles
- Perpendicular Lines
- Classification of Triangles
- Quadrilaterals
- Polygons
- Three Dimensional Shapes

Chapter 6

Integers

- Introduction
- Integers
- Addition of Integers
- Subtraction of Integers with the help of a Number Line

Chapter 7

Fractions

- Introduction
- A Fraction
- Fraction on the Number Line
- Proper Fractions
- Improper and Mixed Fractions
- Equivalent Fractions
- Simplest Form of a Fraction
- Like Fractions
- Comparing Fractions
- Addition and Subtraction of Fractions

Chapter 8

Decimals

- Introduction
- Tenths
- Hundredths
- Comparing Decimals
- Using Decimals
- Addition of Numbers with Decimals
- Subtraction of Decimals

Chapter 9

Data Handling

- Introduction
- Recording Data
- Organisation of Data
- Pictograph
- Interpretation of a Pictograph
- Drawing a Pictograph
- A Bar Graph

Chapter 10

Mensuration

- Introduction
- Perimeter
- Area

Chapter 11

Algebra

- Introduction
- Matchstick Patterns
- The Idea of a Variable
- More Matchstick Patterns
- More Examples of Variables
- Use of Variables in Common Rules
- Expressions with Variables
- Using Expressions Practically
- What is an Equation?
- Solution of an Equation

Chapter 12

Ratio and Proportion

- Introduction
- Ratio
- Proportion
- Unitary Method

Chapter 13

Symmetry

- Introduction
- Making Symmetric Figures: Ink-blot Devils
- Figures with Two Lines of Symmetry
- Figures with Multiple (more than two) Lines of Symmetry
- Reflection and Symmetry

Chapter 14

Practical Geometry

- Introduction
- The Circle
- A Line Segment
- Perpendiculars
- Angles