Mathematics

Recommended Time Table

Class-6

Chapter Names	Concepts	
1. Sets (5 hours)	• Concept of a set • Notation • Set builder form & Roster form	**(1 hour)**
	• Types of sets • Equality of sets • Subsets	**(1 hour)**
	• Problems	**(2 hours)**
	• Doubt Clarification	**(1 hour)**
2. Natural and Whole numbers (5 hours)	• Natural numbers • Place and Face values • Rounding of numbers • Roman numerals	**(1 hour)**
	• Whole numbers • Properties • Division Algorithm	**(1 hour)**
	• Problems	**(2 hours)**
	• Doubts Clarification	**(1 hour)**
3. Integers (5 hours)	• Introduction • Representing Integers on numberline	
	• Arranging Integers	**(1 hour)**
	• Basic operations on Integers • VBODMAS rule	**(1 hour)**
	• Problems	**(2 hours)**
	• Doubts Clarification	**(1 hour)**
4. Factors and Multiples (6 hours)	• Concept of factors and multiples • Even and Odd numbers	
	• Prime and Composite numbers • Divisibility tests	**(1 hour)**
	• Introduction to LCM • Methods of finding LCM	
	• Applications of LCM	**(1 hour)**
	• Introduction to HCF • Methods of findings HCF • Applications of HCF	
	• Relationship between LCM & HCF	**(1 hour)**
	• Problems	**(2 hours)**
	• Doubts Clarification	**(1 hour)**
5. Fractions (5 hours)	• Introduction to fractions • Types of fractions • Equivalent fractions	
	• Comparison of fractions	**(2 hours)**
	• Problems	**(2 hours)**
	• Doubts Clarification	**(1 hour)**
6. Decimals (4 hours)	• Introduction to decimals • Representation of decimals on numberline	
	• Place value	**(1 hour)**
	• Rounding of decimals • Comparison	**(1 hour)**
	• Problems	**(1 hour)**
	• Doubts Clarification	**(1 hour)**
7. Squares & Square roots (5 hours)	• Squares • Perfect squares	
	• Methods of finding squares	**(1 hour)**
	• Square roots • Division method • Simple Applications	**(1 hour)**
	• Problems	**(2 hours)**
	• Doubts Clarification	**(1 hour)**
Term 1	**Chapter 1 - 7** **MCQ - 50**	**50 x 1 = 50**

Chapter Names	Concepts
8. Ratio, Proportion & Unitary Method (6 hours)	• Ratios • Comparison • Equivalent ratios **(1 hour)** • Proportion • Ratio of three quantities **(1 hour)** • Unitary Method • Simple Applications **(1 hour)** • Problems **(2 hours)** • Doubts Clarification **(1 hour)**
9. Percentage (5 hours)	• Introduction to percentages • Conversion of percentages into fractions • Simple Applications **(2 hours)** • Problems **(2 hours)** • Doubts Clarification **(1 hour)**
10. Algebra (5 hours)	• Algebraic Expressions • Writing expressions • Algebraic terms • Identifying coefficient and variable **(2 hours)** • Problems **(2 hour)** • Doubts Clarification **(1 hour)**
11. Lines and Angles (6 hours)	• Introduction to geometrical concepts • Point, Line segment, Line • Collinear points • Concurrent lines **(1 hour)** • Introduction to Angles • Types of angles • Parallel lines and perpendicular lines • Properties of parallel lines **(2 hour)** • Problems **(2 hours)** • Doubts Clarification **(1 hour)**
Term 2	**Chapter 1 - 11 MCQ - 50 50 x 1 = 50**
12. Triangles & Polygons (6 hours)	• Triangles • Types of triangles • Properties of triangles **(2 hours)** • Polygons • Types of polygons • Sum of angles in a quadrilateral **(1 hour)** • Problems **(2 hours)** • Doubts Clarification **(1 hour)**
13. Circles (4 hours)	• Introduction to circles • Identifying parts of a circle • Circumference of a circle **(1 hour)** • Problems **(2 hours)** • Doubts Clarification **(1 hour)**
14. Length & Mass (4 hours)	• Units of length • Conversion of units of length • Units of mass • Conversion of units of mass **(1 hour)** • Problems **(2 hours)** • Doubts Clarification **(1 hour)**
15. Area & Perimeter (6 hours)	• Concept of area and perimeter • Rectangle • Square • Triangle • Circle **(2 hours)** • Problems **(2 hours)** • Doubts Clarification **(2 hours)**
Grand Test	**Chapter 1 - 15 MCQ - 50 50 x 1 = 50**

Chapter	Concept	Problems	Total No.of hours
1. Sets	2	3	5
2. Natural & Whole Numbers	2	3	5
3. Integers	2	3	5
4. Factors & Multiples	3	3	6
5. Fractions	2	3	5
6. Decimals	2	2	4
7. Squares & Square roots	3	2	5
8. Ratio, Proportion & Unitary Method	3	3	6
9. Percentage	2	3	5
10. Algebra	2	3	5
11. Lines & Angles	3	3	6
12. Triangles & Polygons	3	3	6
13. Circles	2	2	4
14. Length & Mass	2	2	4
15. Area & Perimeter	3	3	6