PHASE 1			
Ch. No.	**Chapter Name**	**Subtopics**	**PT1 portion** **Total Marks: 40 Duration: 1 hour 30 minutes**

1	Knowing Our Numbers	▪ 1.1 Introduction
		▪ 1.2 Comparing Numbers
		  ○ 1.2.1 How many numbers can you make?
		  ○ 1.2.2 Shifting digits
		  ○ 1.2.3 Introducing 10,000
		  ○ 1.2.4 Revisiting place value
		  ○ 1.2.5 Introducing 1,00,000
		  ○ 1.2.6 Larger numbers
		  ○ 1.2.7 An aid in reading and writing large numbers
		▪ 1.3 Large Numbers in Practice
		  ○ 1.3.1 Estimation
		  ○ 1.3.2 Estimating to the nearest tens by rounding off
		  ○ 1.3.3 Estimating to the nearest hundreds by rounding off
		  ○ 1.3.4 Estimating to the nearest thousands by rounding off
		  ○ 1.3.5 Estimating outcomes of number situations
		  ○ 1.3.6 To estimate sum or difference
		  ○ 1.3.7 To estimate products
		▪ 1.4 Using Brackets
		  ○ 1.4.1 Expanding brackets
		▪ 1.5 Roman Numerals
			▪ 1.1 Introduction
			▪ 1.2 Comparing Numbers
			  ○ 1.2.1 How many numbers can you make?
			  ○ 1.2.2 Shifting digits
			  ○ 1.2.3 Introducing 10,000
			  ○ 1.2.4 Revisiting place value
			  ○ 1.2.5 Introducing 1,00,000
			  ○ 1.2.6 Larger numbers
			  ○ 1.2.7 An aid in reading and writing large numbers
			▪ 1.3 Large Numbers in Practice

2	Whole Numbers	▪ 2.1 Introduction ▪ 2.2 Whole Numbers ▪ 2.3 The Number Line ▪ 2.4 Properties of Whole Numbers ▪ 2.5 Patterns in Whole Numbers	▪ 2.1 Introduction ▪ 2.2 Whole Numbers ▪ 2.3 The Number Line
4	Basic Geometrical Ideas	▪ 4.1 Introduction ▪ 4.2 Points ▪ 4.3 A Line Segment ▪ 4.4 A Line ▪ 4.5 Intersecting Lines ▪ 4.6 Parallel Lines	▪ 4.1 Introduction ▪ 4.2 Points ▪ 4.3 A Line Segment ▪ 4.4 A Line ▪ 4.5 Intersecting Lines ▪ 4.6 Parallel Lines

		4.7 Ray 4.8 Curves 4.9 Polygons 4.10 Angles 4.11 Triangles 4.12 Quadrilaterals 4.13 Circles	4.7 Ray 4.8 Curves 4.9 Polygons 4.10 Angles
9	Data Handling	9.1 Introduction 9.2 Recording Data 9.3 Organisation of Data 9.4 Pictograph 9.5 Interpretation of a Pictograph 9.6 Drawing a Pictograph 9.7 A Bar Graph 9.7.1 Interpretation of a bar graph 9.7.2 Drawing a bar graph	9.1 Introduction 9.2 Recording Data 9.3 Organisation of Data 9.4 Pictograph 9.5 Interpretation of a Pictograph

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PHASE 2			
Ch. No.	Chapter Name	Subtopics	HYE portion Total Marks: 80 Duration: 3 hours
			PT1 portion is included
3	Playing with Numbers	▪ 3.1 Introduction ▪ 3.2 Factors and Multiples ▪ 3.3 Prime and Composite Numbers ▪ 3.4 Tests for Divisibility of Numbers ▪ 3.5 Common Factors and Common Multiples ▪ 3.6 Some More Divisibility Rules ▪ 3.7 Prime Factorisation ▪ 3.8 Highest Common Factor ▪ 3.9 Lowest Common Multiple ▪ 3.10 Some Problems on HCF and LCM	▪ 3.1 Introduction ▪ 3.2 Factors and Multiples ▪ 3.3 Prime and Composite Numbers ▪ 3.4 Tests for Divisibility of Numbers ▪ 3.5 Common Factors and Common Multiples ▪ 3.7 Prime Factorisation ▪ 3.8 Highest Common Factor ▪ 3.9 Lowest Common Multiple ▪ 3.10 Some Problems on HCF and LCM
5	Understanding Elementary Shapes	▪ 5.1 Introduction ▪ 5.2 Measuring Line Segments ▪ 5.3 Angles – 'Right' and 'Straight' ▪ 5.4 Angles – 'Acute', 'Obtuse' and 'Reflex' ▪ 5.5 Measuring Angles ▪ 5.6 Perpendicular Lines ▪ 5.7 Classification of Triangles ▪ 5.8 Quadrilaterals ▪ 5.9 Polygons ▪ 5.10 Three Dimensional Shapes	▪ 5.1 Introduction ▪ 5.2 Measuring Line Segments ▪ 5.3 Angles – 'Right' and 'Straight' ▪ 5.4 Angles – 'Acute', 'Obtuse' and 'Reflex' ▪ 5.5 Measuring Angles ▪ 5.6 Perpendicular Lines ▪ 5.7 Classification of Triangles ▪ 5.8 Quadrilaterals ▪ 5.9 Polygons
10	Mensuration	▪ 10.1 Introduction ▪ 10.2 Perimeter 　o 10.2.1 Perimeter of a rectangle 　o 10.2.2 Perimeter of regular shapes ▪ 10.3 Area 　o 10.3.1 Area of a rectangle 　o 10.3.2 Area of a square	▪ 10.1 Introduction ▪ 10.2 Perimeter 　o 10.2.1 Perimeter of a rectangle 　o 10.2.2 Perimeter of regular shapes ▪ 10.3 Area 　o 10.3.1 Area of a rectangle 　o 10.3.2 Area of a square

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		PHASE 3	
Ch. No.	**Chapter Name**	**Subtopics**	**PT2 portion** Total Marks: 40 Duration: 1 hour 30 minutes

6	Integers	▪ 6.1 Introduction
		 ▪ 6.1.1 Tag me with a sign
		 ▪ 6.2 Integers
		   o 6.2.1 Representation of integers on a number line
		   o 6.2.2 Ordering of integers
		 ▪ 6.3 Addition of Integers
		   o 6.3.1 Addition of integers on a number line
		 ▪ 6.4 Subtraction of Integers with the help of a Number Line
			▪ 6.1 Introduction
			 ▪ 6.1.1 Tag me with a sign
			 ▪ 6.2 Integers
			   o 6.2.1 Representation of integers on a number line
			   o 6.2.2 Ordering of integers
			 ▪ 6.3 Addition of Integers
			   o 6.3.1 Addition of integers on a number line
			 ▪ 6.4 Subtraction of Integers with the help of a Number Line

7	Fractions	▪ 7.1 Introduction
		 ▪ 7.2 A Fraction
		 ▪ 7.3 Fraction on the Number Line
		 ▪ 7.4 Proper Fractions
		 ▪ 7.5 Improper and Mixed Fractions
		 ▪ 7.6 Equivalent Fractions
		 ▪ 7.7 Simplest Form of a Fraction
		 ▪ 7.8 Like Fractions
		 ▪ 7.9 Comparing Fractions
		   o 7.9.1 Comparing like fractions
		   o 7.9.2 Comparing unlike fractions
		 ▪ 7.10 Addition and Subtraction of Fractions
		   o 7.10.1 Adding or subtracting like fractions
		   o 7.10.2 Adding and subtracting fractions
			▪ 7.1 Introduction
			 ▪ 7.2 A Fraction
			 ▪ 7.3 Fraction on the Number Line
			 ▪ 7.4 Proper Fractions
			 ▪ 7.5 Improper and Mixed Fractions
			 ▪ 7.6 Equivalent Fractions
			 ▪ 7.7 Simplest Form of a Fraction
			 ▪ 7.8 Like Fractions
			 ▪ 7.9 Comparing Fractions
			   o 7.9.1 Comparing like fractions
			   o 7.9.2 Comparing unlike fractions
			 ▪ 7.10 Addition and Subtraction of Fractions
			   o 7.10.1 Adding or subtracting like fractions
			   o 7.10.2 Adding and subtracting fractions

11	Algebra	▪ 11.1 Introduction ▪ 11.2 Matchstick Patterns ▪ 11.3 The Idea of a Variable ▪ 11.4 More Matchstick Patterns ▪ 11.5 More Examples of Variables ▪ 11.6 Use of Variables in Common Rules ▪ 11.7 Expressions with Variables ▪ 11.8 Using Expressions Practically ▪ 11.9 What is an Equation? ▪ 11.10 Solution of an Equation	▪ 11.1 Introduction ▪ 11.2 Matchstick Patterns ▪ 11.3 The Idea of a Variable ▪ 11.4 More Matchstick Patterns ▪ 11.5 More Examples of Variables

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PHASE 4			
Ch. No.	Chapter Name	Subtopics	YE portion Total Marks: 80 Duration: 3 hours
			▪ Ch. 10 of HYE is included ▪ PT2 portion is included

8	Decimals	▪ 8.1 Introduction
		▪ 8.2 Tenths
		▪ 8.3 Hundredths
		▪ 8.4 Comparing Decimals
		▪ 8.5 Using Decimals
		  o 8.5.1 Money
		  o 8.5.2 Length
		  o 8.5.3 Weight
		▪ 8.6 Addition of Numbers with Decimals
		▪ 8.7 Subtraction of Decimals
			▪ 8.1 Introduction
			▪ 8.4 Comparing Decimals
			▪ 8.5 Using Decimals
			  o 8.5.1 Money
			  o 8.5.2 Length
			  o 8.5.3 Weight
			▪ 8.6 Addition of Numbers with Decimals
			▪ 8.7 Subtraction of Decimals

12	Ratio and Proportion	▪ 12.1 Introduction ▪ 12.2 Ratio ▪ 12.3 Proportion ▪ 12.4 Unitary Method	▪ 12.1 Introduction ▪ 12.2 Ratio ▪ 12.3 Proportion ▪ 12.4 Unitary Method
13	Symmetry*	▪ 13.1 Introduction ▪ 13.2 Making Symmetric Figures: Ink-blot Devils ▪ 13.3 Figures with Two Lines of Symmetry ▪ 13.4 Figures with Multiple (more than two) Lines of Symmetry ▪ 13.5 Reflection and Symmetry	▪ Not for Assessment

14	Practical Geometry*	▪ 14.1 Introduction
		▪ 14.2 The Circle
		  o 14.2.1 Construction of a circle when its radius is known
		▪ 14.3 A Line Segment
		  o 14.3.1 Construction of a line segment of a given length
		  o 14.3.2 Constructing a copy of a given line segment
		▪ 14.4 Perpendiculars
		  o 14.4.1 Perpendicular to a line through a point on it
		  o 14.4.2 Perpendicular to a line through a point not on it
		  o 14.4.3 The perpendicular bisector of a line segment
		▪ 14.5 Angles
			▪ Not for Assessment

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		o 14.5.1 Constructing an angle of a given measure o 14.5.2 Constructing a copy of an angle of unknown measure o 14.5.3 Bisector of an angle o 14.5.4 Angles of special measures	
15	Sets*	▪ 15.1 Concept of Sets ▪ 15.2 Set Notation ▪ 15.3 Representation of Sets ▪ 15.4 Cardinal Number of a Set ▪ 15.5 Types of Sets Based on Cardinal Number of Sets ▪ 15.6 Types of Sets Based on Relation Between the Sets	▪ Not for Assessment

*Chapter excluded/dropped by the CBSE from the Syllabus hence these chapters will not be assessed.

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