

MT 1	HALF YEARLY	MT2	FINAL TERM
CH1- KNOWING OUR NUMBERS	CH1- KNOWING OUR NUMBERS	CH7- DECIMALS	CH5- SETS
CH2- WHOLE NUMBERS	CH2- WHOLE NUMBERS	CH8- RATIO AND PROPORTION	CH6- FRACTIONS
CH3- INTEGERS	CH3- INTEGERS	CH15- DATA HANDLING	CH7- DECIMALS
	CH4- PRIME NUMBERS, FACTORS AND MULTIPLES		CH8- RATIO AND PROPORTION
	CH6- FRACTIONS		CH9- ALGEBRA
	CH9- ALGEBRA		CH12- SYMMETRY
	CH10- BASIC GEOMETRICAL CONCEPT		CH13- PRACTICAL GEOMETRY (CONSTRUCTIONS)
	CH11- UNDERSTANDING ELEMENTARY SHAPES		CH14- PERIMETER AND AREA (MENSURATION)
			CH15- DATA HANDLING
			CH 10 -BASIC GEOMETRIC CONCEPTS

TERM	MONTH	Chapter	LEARNING OUTCOMES	LOTS	MOTS	HOTS	
MT 1 + HALF YEARLY	APRIL and MAY	KNOWING OUR NUMBERS	Read/write large numbers (Indian & International system)	Write 5,67,432 in words	Round 7,89,456 to nearest thousand	The greatest 6-digit number formed using digits 3,5,7,0,2 without repetition	
			Compare and order numbers	Arrange: 45,678; 54,678; 46,578 in ascending order	Find the difference between greatest and smallest 5-digit numbers	If 1 is added to a number, it becomes divisible by 10. What can be its last digit?	
				Understand place value, rounding off			
			WHOLE NUMBERS	Properties of whole numbers	Find: $456 + 789$	Simplify: $45 + 36 \times 5$	Find a number which when multiplied by 25 gives same result as adding 25 to it
				Perform operations (BODMAS)	Identify successor/predecessor of 999	Verify commutative property of addition	Explain why division is not commutative with example
				Understand patterns			
			INTEGERS	Understand positive and negative numbers	Identify integers: -3, 0, 5	Simplify: $(-7) + (-8) + 10$	Find integer x such that: $x + (-7) = 3$
				Perform operations on integers	Find: $(-5) + 3$	Subtract using number line	Why is subtraction of integers not commutative?
			Use number line				
HALF YEARLY	JUNE	FACTORS AND MULTIPLES	Find HCF and LCM	List factors of 24	Find HCF of 18 and 24	Find smallest number divisible by 4, 6, and 8	
			Prime factorization	Find multiples of 7	Find LCM using prime factorization	Two numbers have HCF 6 and product 180. Find numbers	
			Identify prime and composite numbers				
HALF YEARLY + FINAL	JULY	FRACTION	Types of fractions	Identify proper/improper fraction	Simplify: $3/5 + 2/3$	Find fraction between $2/5$ and $3/5$	
			Addition/subtraction of fractions	Add: $1/4 + 1/4$	Convert improper to mixed fraction	Solve: A number when multiplied by $2/3$ gives 4. Find number	
			Equivalent fractions				
			Simplification s				
			Solve Problem sums on fractions				

HALF YEARLY + FINAL	AUGUST	FUNDAMENTAL CONCEPTS IN ALGEBRA	Understand variables and expressions	Identify variables in $2x + 3$	Simplify: $3x + 5x$	Form expression: "5 more than twice a number"
			Identify like/unlike terms	Find value of $3x$ when $x = 2$	Classify monomial/binomial	Solve: $x + 7 = 15$
			Simple equations			
HALF YEARLY + FINAL	AUGUST	BASIC GEOMETRIC CONCEPTS	Identify points, lines, angles	Define line segment	Measure angle using protractor	Draw angles of $30^\circ$ , $60^\circ$ , $90^\circ$
			Types of angles	Identify acute angle	Classify angles	Explain difference between line and ray
			Basic constructions			
HALF YEARLY + FINAL	AUGUST + SEPTEMBER	UNDERSTANDING ELEMENTARY SHAPES	Measure and draw angles using a protractor	Identify types of angles (acute, right, obtuse)	Classify angles based on measure	Calculate angles between clock hands at different times
			Determine angles formed between the hands of a clock	Read time and recognize angles formed by clock hands	Find angles between hands of a clock (simple cases)	Solve direction-based movement problems
			Understand and use directions (North, South, East, West) in real-life situations	Identify basic directions (North, South, East, West)	Describe position using directions	Compare and justify properties of triangles
			Recognize and classify triangles based on sides and angles	Recognize triangles and quadrilaterals	Classify triangles based on sides and angles	Identify quadrilateral based on given properties
			Recognize and classify quadrilaterals based on their properties	Identify sides and corners of basic shapes	Classify quadrilaterals (square, rectangle, parallelogram)	Solve real-life problems involving shapes and directions
			Identify basic geometrical shapes and their features (sides, vertices)			
MT2 + FINAL	OCTOBER	DECIMALS	Place value in decimals	Write 0.75 in words	Multiply: $3.2 \times 4$	Find number which when multiplied by 0.5 gives 7
			Operations on decimals	Add: $2.5 + 3.4$	Convert $3/4$ to decimal	Compare: 0.505 and 0.55 with reasoning
			Conversion between fractions and decimals			
			Simplifications.			
MT2 + FINAL	NOVEMBER	RATIO AND PROPORTION	Understand ratio and proportion	Write ratio of 10 and 20	Simplify ratio 12:18	Divide ₹100 in ratio 2:3
			Solve real-life problems	Identify equivalent ratios	Check if $2:3 = 4:6$	If $a:b = 3:4$ and $b:c = 2:5$ , find $a:c$

MT2 + FINAL	DECEMBER	DATA HANDLING	Read and interpret data	Read data from table	Interpret pictograph	Analyze data and draw conclusions	
			Construct Bar graphs, pictographs	Draw simple bar graph	Find total frequency	Create your own data set and graph	
FINAL	JANUARY	SETS	Understand the concept of sets	Identify examples of sets	Represent sets in roster form	Solve simple problems using sets	
			Represent sets in roster and set-builder form	List elements of a set	Compare two sets	Form sets from given conditions	
			Identify types of sets (empty, finite)				
FINAL			SYMMETRY	Understand line symmetry	Identify symmetrical shapes	Draw line(s) of symmetry	Complete symmetric figures
				Identify symmetrical objects	Recognize line of symmetry	Count number of lines of symmetry	Solve pattern-based symmetry problems
			Draw lines of symmetry				
FINAL	FEBRUARY	MENSURATION	Understand perimeter and area	Recall formulas	Calculate area and perimeter	Solve real-life problems	
			Use formulas for basic shapes	Find perimeter of simple shapes	Convert units	Compare areas and perimeters	
			Apply concepts in real life				