



Baroda High School,ONGC

Primary Section (Morning Shift)

Maths Syllabus 2026-27 - Std - VII

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	No. of periods	TLM
June	19	1	Integers UT - 1	The Learner will:	10	Numberline and counters AG
				* Identify the integers using a number line.		
				* Generalize the commutative , associative, closure and distributive properties of integers.		
				* Find out the addition, subtraction, multiplication and division of integers.		
		2	Fractions & Decimals UT - 1	* Understand the fraction (recalling from 6th std)	9	Fraction strips
				* Learn about the like, equivalent, proper, improper and mixed fractions.		
* Verify the multiplication and divisions of fractions.						
July	27	2	Fractions & Decimals (continued) UT - 1	The Learner will:	10	Pizza fractions AG
				* Learn how to convert fractions into decimals and vice versa.		
				* Verify the multiplication and division of decimals and solving problems.		
				* Solving problems related to area and perimeters using decimals.		
		3	Data Handling Term - 1	* Find a representative value of data, i.e. mean, median and mode of ungrouped data.	12 + 5	Graphs
				Revision of UT-1		
August	23	4	Simple Equations Term - 1	The Learner will:	18	Balance model
				* Define equation in one variable.		
				* Find solution of the simple equations.		
				* To understand the sum, difference, multiplication, division of factor, coefficient of terms and thus solving the equation using transposition method.		
				* Apply the concept in solving word problems.		
		5	Lines & Angles Term - 1	The learner will:	5	Triangle cut outs (AG)
				* Classify pairs of angles based on their properties as linear, supplementary, complementary, adjacent and vertically opposite and find value of the one when the other is given.		
September	24	5	Lines & Angles (continued) Term - 1	The learner will:	13	Lines and angle model, Geoboard
				* Verify the properties of various pair of angles formed when a transversal cuts two lines.		
				* Find unknown angle of a triangle when it's two angles are known.		
		12	Symmetry Term - 1	* Find symmetry in nature.	5	Paper folding, Alphabet cards,
				* Explore various symmetrical objects in the surroundings.		
				* Apply line of symmetry in various objects.		
Term -1 Exam (1st OCT to 9th OCT)					6	
October	24	6	The Triangle and its properties UT - 2	The learner will:	18	Triangle cut outs (AG), paper triangles
				* Define median, altitude of a triangle.		
				* Prove the exterior angle property and angle sum property of a triangle and solve sums related to it.		
				* Practically and theoretically prove the sum of lengths of two sides of a triangle is greater than the third side and Solve sums.		
				* Learn how to use Pythagoras Theorem in right angled triangle and solve sums.		

Month	Working Days	Chapter no.	Chapter/Topic	Learning Outcomes	No. of periods	TLM
November	7	7	Comparing quantities UT - 2	The learner will:	7	Grid cards (AG), Numicons (AG)
				* Recall ratios and percentage.		
December	25	7	Comparing quantities (continued) UT - 2	The learner will:	15	Bills and discount vouchers
				* Learn increase or decrease percent.		
				* Apply percentage to profit and loss.		
				* Learn the concept of simple interest and solving of sums related to rate of interest, principal and time period.		
		8	Rational Numbers Term - 2	* Define rational numbers.	6	
				* Represent rational number on a number line.		
				Revision of UT-2		
January	24	8	Rational Numbers (continued) Term - 2	* Find out desired number of rational numbers between two given rational numbers.	9	Number line, Fractions stripes (AG)
				* Analysis the properties of addition, subtraction, multiplication and division of rational numbers.		
		9	Perimeter and area Term - 2	The learner will:	15	Grids, Triangles (AG), Geo board, circle cut outs
				* Identify plane figures (2D).		
				* Verify the area of triangle and parallelogram and solve the sums		
				* Verify the circumference and area of a circle and apply to solve practical problems		
			* Learn how to convert the units related to perimeter and area.			
		February	24	10	Algebraic Expressions Term - 2	* Define coefficient, terms, expressions.
* Learn about monomials, binomials, trinomials and polynomials.						
* Apply addition and subtraction to the expression.						
11	Exponents and powers Term - 2			The learner will:	9	Grids (AG), Boxes
				* To make larger number easier by using them in exponent form		
	* Understand that power is a repeated multiplication, identify the base and exponent of a power.					
March	23	11	Exponents and powers (continued) Term - 2	The learner will:	10	Place value chart
				* Understand laws of exponents and its applications.		
				* Expressing large numbers in the standard form using exponents and decimal number system.		
		13	Visualising Solid Shapes	* Recognise 2D and 3D shapes.	7	Nets (AG)
				* Identify different shapes in nested object		
				* Represent 3D shapes on plane surface using graph paper, isometric paper.		
				* Practically learn the shadow play technique		
			Revision for term 2	6		
* DIGITAL TOOLS : GEOGEBRA, POLYPAD, Phet, DIKSHA ONLINE WOULD BE USED ACCORDINGLY						