

Syllabus of Term-I Session 2021-22
Subject:- Mathematics

Name of Teacher:-Neelam Sharma

Class
VII

Month	No. of Teaching Days	Topic	Sub-Topic	Oral	Written	Activity /Project /Practical	Revision Test
April	14	Ch-1 Knowing Our Numbers	<ul style="list-style-type: none"> • Introduction • Addition and Subtraction of Integers • Multiplication of Integers • Division of Integers • Properties of Integers 	Types of Numbers	Recap Exercise, Ex 1.1.1,2 & mental Maths		After completion of the chapter Class Test will be conducted.
SUMMER BREAK FROM 22 APRIL TO 9 JUNE							
JUNE	6	Ch-2 Fractions	<ul style="list-style-type: none"> • Introduction • Multiplication of Fractions • Division of Fractions 	Numerator, Denominator, types of fractions	Recap Ex .2.1,2.2 & Mental Maths	Activity: " To express a given fraction as the sum of unit fractions."	After completion of the chapter Class Test will be conducted.
	11	Ch-9 Rational Numbers	<ul style="list-style-type: none"> • Rational Numbers on a Number Line • Standard Form of a Rational Number • Absolute Value of a Rational Number • Equivalent Rational Numbers • Addition of Rational Numbers • Subtraction of Rational Numbers • Multiplication of Rational Numbers • Division of Rational Numbers • Rational Numbers as Decimals • Rule to Find Terminating or Non-Terminating Repeating Decimals • Word Problems 	Basic geometrical Concepts & Measurement Units	Recap Exercise, Ex 9.1,9.2 & mental Maths		After completion of the chapter Class Test will be conducted.
First Periodic test from 12th to 18th July Revision of Periodic test syllabus							
		Lines and Angles	<ul style="list-style-type: none"> • Angle • Pairs of Angles • Transversal 				
July		Ch-4 Decimals	<ul style="list-style-type: none"> • Introduction • Multiplication of Decimal Fractions • Division of Decimal Fractions • Conversion of Units • Word Problems 	Place value chart	Recap Exercise, Ex 4.1,4.2,4.3 & mental Maths	Activity: "To multiply decimals by paper folding method."	After completion of the chapter Class Test will be conducted.
July		Ch-6 Algebraic Expressions	<ul style="list-style-type: none"> • Introduction • Types of Algebraic Expressions • Like and Unlike Terms • Constants, Coefficient, and Powers • Degree of an Algebraic Expression • Addition of Algebraic Expressions • Subtraction of Algebraic Expressions 	Various Patterns & formulas	Recap Exercise, Ex 6.1,6.2,6.3 & mental Maths	Activity: " To find a rule for the pattern."	After completion of the chapter Class Test will be conducted.
Aug	23	Ch-10 Properties of Triangles	<ul style="list-style-type: none"> • Introduction • Types of Triangles • Interior and Exterior of a Triangle • Angle Sum Property of a Triangle • Exterior Angle Property • Sum of Two Sides of a Triangle • Pythagoras Theorem for Right-angled Triangles 	Different Geometrical Shapes	Recap Exercise, Ex 10.1,10.2 & mental Maths	Activity : "To verify the exterior angle property of triangle."	After completion of the chapter Class Test will be conducted.

Aug		Ch-11	Symmetry	<ul style="list-style-type: none"> • Introduction • Line Symmetry • Point Symmetry • Rotational Symmetry • Figures with both reflection and rotational symmetry 	symmetrical figures in daily life	Recap Exercise ,Ex 11.1,11.2 & mental Maths		After completion of the chapter Class Test will be conducted.
Aug		Ch-12	Representing 3D in 2D	<ul style="list-style-type: none"> • Introduction • Drawing some geometrical solid shapes • Matching pictures with objects • Mapping the space around through visual estimation. 	Plane Figures & Solid Figures	Recap Exercise ,Ex 12.1 & mental Maths	Activity : "To make a necktie from a square by paper folding method."	After completion of the chapter Class Test will be conducted.
Sep	25		Revision Work for Term 1 Exam			Revision WorkSheets		
Oct	21	Ch-5	Exponents (Powers)	<ul style="list-style-type: none"> • Laws of Exponents 	Number System & properties	Recap Exercise ,Ex 5.1 & mental Maths	Activity : "To express exponents by paper folding."	After completion of the chapter Class Test will be conducted.
Oct		Ch-7	Simple Linear Equations	<ul style="list-style-type: none"> • Equations • Root of an Equation • Solution of a Linear Equation • Simple Application of a Linear Equation 	Algebraic Expression	Recap Exercise ,Ex 7.1,7.2 & mental Maths	Activity: "To solve an algebraic equation with the help of tiles."	After completion of the chapter Class Test will be conducted.
Nov	19	Ch-13	Congruence	<ul style="list-style-type: none"> • Introduction • Congruence of Simple Geometrical Shapes 	Properties of triangle	Recap Exercise ,Ex 13.1, 13.2 & mental Maths		After completion of the chapter Class Test will be conducted.
Nov		Ch-14	Constructions	<ul style="list-style-type: none"> • Introduction • Construction of Parallel Lines • Construction of Triangles 	Types of triangles	Recap Exercise ,Ex 14.1 & mental Maths		After completion of the chapter Class Test will be conducted.
Dec	25	Ch-8	Commercial Mathematics	<ul style="list-style-type: none"> • Ratio • Proportion • Unitary Method • Percentage • Profit and Loss • Simple Interest 	Ratio, Unitary Method	Recap Exercise ,Ex 8.1,8.2,8.3,8.4,8.5 & mental Maths	Activity : " To find the body mass index (BMI)	After completion of the chapter Class Test will be conducted.
Dec		Ch-15	Perimeter & Area	<ul style="list-style-type: none"> • Perimeter • Concept of area • Area between Two Rectangles • Circumference of a Circle • Area of a Circle 	Concept of Perimeter & area	Recap Exercise ,Ex 15.1,15.2,15.3& mental Maths		After completion of the chapter Class Test will be conducted.
Jan	17	Ch-16	Data Handling	<ul style="list-style-type: none"> • Introduction • Collection of Data • Representation of Data • Drawing Useful Information • Bar Graphs • Probability 	collection of data and uses in our day to day life	Recap Exercise ,Ex 16.1,16.2,16.3 & mental Maths	Activity: "To explore the concept of probability with an activity."	After completion of the chapter Class Test will be conducted.
Feb	23		Revision Work for Term 2 Exam			Revision WorkSheets		
March	24		Annual Exam			Pen & Paper Exam		

