8th std MATHEMATICS "KALIKA CHETARIKE 2022-23"   Year plan

SL.N	MONTH	LO	LEARNING OUTCOMES	L . S	T . L . S	FA/SA
1	MAY-& JUN-2022	1	**NUMBERS:** By applying fundamental operation of mathematics solve the big numerical problems (addition, subtraction, multiplication, division).	1-3	3	FA-1
		2	Introduction of numbers sets.	4-5	2	
		8	Introduction of basic concept of algebra - constant, variables, coefficient , numerical coefficient, algebraic terms, like and unlike terms	43-48	6	
		11	Introduction of basic concept of geometry – point, line,line segment, ray.etc	58-61	4	
2	JULY-2022	3	Inspection of properties of whole numbers.	6-12	7	
		4	Basic concept of fractions and fundamental operations.	13-18	6	
		12	Concept of triangles and types of triangles.	62- 64	3	
FA-1 consolidation 15 marks last week jul-2022					
3	AUG - 2022	9	1) Know the difference between equation and polynomials . write the statements in form of equation. 2) Identify one variable equations. write the statement in the form of one variable equations and applies in application form 3) Identities and solve the problems on the basis of identities.	49 - 56	8	FA-2
		13	Draw the triangles by using measuring tape, protractor, and compass.	65	1	
4	SEP-2022	5	Properties of whole numbers.	19-25	7	
		6	Properties of rational numbers	26-35	10	SA-1
FA-2 consolidation 15 marks SA-1 exam for 30w+10 oral=40 [convert to 20 marks] sept last week					
sa-2 october 2022 to march 2023 mid term vacation october [03-10-2022 to 16-10-2022]					
5	OCT-2022	16	1) Visualising solid shapes two and three dimensional shapes and figures, regular & irregular shapes. 2) Concepts of area and perimeter- find the area and perimeter of triangle , quadrilateral and circle.	74-80	7	FA-3
6	NOV-2022	14	Introduction of quadrilaterals: Properties of quadrilateral and logical difference between properties quadrilateral. Solve the problems on the basis interior angles of parallelogram, square, rectangle .	66-68	3	
7	DEC-2022	7	Find the squares, cubes and square root, cube roots by using different methods.	36-42	7	
		15	By using protractor, compass construct the different types of quadrilaterals.	69-73	5	
FA-3 consolidation 15 marks last week of december					
8	JAN-2023	10	Meaning of exponents .	57	1	FA-4
		18	Collecting of data, organising data , grouping data and make a frequency distribution table.	85	1	
9	FEB-2023	19	Draw and analyse a pictograph , a bargraph, Double bargraph, histogram, & circlegraph or pie chart.	86-87	2	
FA-4 consolidation 15 marks last week of feb-2023					
10	MAR-2023	17	Area of side faces ,total surface area and volume of solids [cubes and cuboids]	81-84	4	SA-2
					87	