			 to show the different types of arches. Solves problems in real life context. Visit to the nearest shop and make a list of different things with their prices. Paste coloured pieces of shapes and form patterns of choice 		
2. Long and Short (12 Periods)	 Understand the basic concept of measuring length. Estimation and comparisons of length of various figures and things Ability to compute the distance, tallest /shortest member in your group, guessing the approx. height. Conversion of 	 Recognize the Compare length using an improvised standard unit or metric system. Identify long length are measured in (m) and short lengths are measured in (mm) and (cm) and distance through (km), able to calculate 	 Find the shortest and tallest from the class. Find the length of Math text book, desk, and teacher's table. Measuring table, desk and chairs in the class room. 	 Measuring tape Scale. Group activity charts, paints. 	 Worksheet based on metric measures of length. Make them to collect information about Who is tallest in your family? Who is shortest in your family?

		 metre to kilometre and kilometre to metre Analyzing and differentiating things as long or short. Calculating the height of different people. 	 dm, dam, hm, etc. Able to measure longer and shorter distances using the tape or scale. Able to convert small unit of length into bigger unit and vice versa 	Measure the racing track in your school		
			ASSESSMENT-1			
June	3. A Trip to Bhopal (13 Periods)	 NUMBER OPERATIONS (+, -, x,÷) Add and subtract 3- or 4- digit numbers. Multiply and divide 2- or 3- digit numbers by 1- or 2-digit number Smallest and Greatest 3/4/5-digit numbers Number puzzle Apply four basic number operations (+,-,x, ÷) to life situations Mental arithmetic: Add, subtract & 	 Understand s the properties of addition, subtraction, multiplicatio n, division. Identifies greatest and smallest number from the given numbers. Solves Number puzzles Solves basic problems related to everyday life based on numbers. Frames word problems. To Compare 	 The students will be given different situations to add and subtract hours and minutes mentally. Children can be asked to solve many more similar questions or puzzles, both orally and in writing. Plotting different places in map Using duplicate 	 Map of India showing states and districts. Abacus, flash cards of numbers and duplicate money 	Worksheet based on 4 operations and money.

		multiply Multiples of 10 & 100. 	 the numbers and Solve addition/ subtraction/ multiplication sums mentally involving multiples of 10 & 100 To estimate sum, difference, product of given numbers. 	money playing games by arranging a field trip.		
July	4. Tick, Tick, Tick. (13 Periods)	 Time Different ways to measure time Introduction of Calendar Introduction of Clock Addition and Subtraction of time Introduction of 12 hrs. clock Introduction of 24 hrs. clock. Find approximate and elapsed time 	 Importance of time knowledg about Different ways to measure time Learners would appreciate the use of calendar and different format of date Calculate hours/minutes using given two dates Addition and subtracti on Concept of AM & PM Difference between 	 Make a clock and draw the hands Make your daily routine time table. List the activities done in 5 minutes, less than 1 hour, more than 1 hour. Making of calendar and mark Sundays and any special day comes in the month Draw hand of watch for the given time. Growth of plant or life span Observe the 	 Clock Old calendar Chart and sketch Used wrappers or boxes of food items and medicine 	Worksheets based on finding AM and PM, converting 12 hours to 24 hours, converting hours to minutes, minutes to seconds and solving word problems

			normal watch and a 24 hrs. clock. • Understanding the manufacture and expiry dates on edibles, medicines, etc. Assessment I	calender and write the sunrise/sunset. • Calculate day span		
August	5.The way the world looks (9 Periods) (Activity based)	 .Front, side & top view of different object Route map & Directions Shapes of cubes and cuboids 	 To able to understand concepts of different views of objects from your surroundings. Visualization of objects from different angles. To able to mark the directions on route maps. To get an intuitive idea of map. Understands the four directions and is able to locate the given area in the map. Understands the directions related to one's position Make shapes of cube and cuboids using nets 	 Make shapes of cube and cuboid using nets Draw a map on the floor and ask the children to stand on the map and locate different things and places Draw any picture like bowl, chair, etc. and draw top, side and front views of different objects. By showing route map from any place. Read a map of your school or city and write precise directions to reach different places 	 Nets of different shapes Objects in the surroundings Map 	Worksheets based on top, front and side views, routes, directions and nets

	6. The junk seller (16 Periods)	 Addition and subtraction of money. Conversion of rupees into paise and vice versa Multiplication of two- and three- digit numbers using lattice algorithm and standard algorithm. Concept of loan, profit and loss. Estimate roughly the total cost Daily life problems on Multiplication 	 Addition, Subtraction, Multiplication and Division. Awareness about loan, profit, loss. Understands basic operations on money. Solves problems related to money transactions. Can purchase things from the market and compare their prices. Illustrate lattice multiplication using expanded notation. Knows the value of different currency notes and coins. Makes the bill. 	 Make a shopping bill. Ask the students to go to nearby market and purchase a few things. At home they will check the price tags. They will prepare a bill and find how much money did he/she spend. Mock bank showing lending and borrowing money Make different combination for a given amount using different denomination of notes. 	 Duplicate notes and coins Chart 	 Word problems Estimate the answer and then calculate. Worksheets based on addition, subtraction and multiplicatio n of money. Worksheets based on conversion of money.
			ASSESSMENT - 1	2		
	7 lugs and	• Understanding and	• I Inderstanding	• Showing		Problems
Septem ber	mugs (15 Periods)	measuring the capacity of a given	which unit of capacity is to be	measuring containers	jars • Different	related to capacity

1	1			,i
 inquid using containers marked with standard units. Determining sums and differences of capacity Volume-Estimating the capacity of a liquid containing in a vessel and verifying by measuring. Understanding the units of capacity in liters and milliliters. Conversions of litre to millilitre and millilitre to litre Solving Puzzles related to capacity 	 used for smaller quantities and bigger quantities Making liters in different ways Solving word problems related to capacity Know which items are measured in liters and milliliters Making own measuring bottles Sums on Addition and subtraction related to capacity. Conversion of larger unit into smaller and vice versa Solving puzzles 	 available in the market for oil, milk, soft drinks etc. Observe the different capacities in mL and L Guess how much water can jugs, mugs, bottles and glasses of different measures hold List 5 items which are measured Find the capacity in wrappers/labe Is like plastic bottle of water, cooking oil, tetra packet of milk etc. Make own measuring bottles/cups of different capacities 	types of container available in the market of oil, milk, soft drinks etc. Different sizes of bottles/jar s	 Puzzles Worksheet based on converting smaller unit to larger unit and vice versa Matching correct units to the object Solving word problems

Ostahar	9 Carte	Drouving	Maka airelaa	Children	Dound	Markabaata
Uctoper	o. Carts	• Drawing a	• IVIAKE CITCIES			
	and	circle free hand	using coins,	play some	objects in	pased on
	wheels	or with	bangles etc.	games by	the	finding radius,
	(12 Periods)	compass	 Observe and 	making circles	classroo	and diameter
			identify round	with a string	m	 Drawing circles
		Knowledg	and circular	/rope and nail.	Bottle	with different
		e about	objects from	 Identify round 	caps,	radius using
		round	the	& circular	coins,	compass
		objects	surroundings	objects from	bangles,	
			Collect objects	surroundings.	ring etc.	
			which are	• Plav game	Geometry	
		Understanding	circular like	using spin	box wire	
		to draw	bottle cap	top.	thread nail	
		circleusing	bangles, rings	Children will	Colour	
		compass	coin etc	draw Rangoli	naners	
		Compass	• Teacher will	Designs	Compass or	
		Pelationship	show the	using circles	bangles of	
		• Relationship	geometrical	Construction	different eize	
		offbo string and	instruments and	of circle of		
			abildrop will	diven radius	50155015	
		sizeoi trie circie.		- Take a wire		
			identify them	and make a		
			Genury then.	and make a		
		Finding the centre	• Finding the	for your olf		
			centre of a	for yourself		
			circle by paper	• Cut out circles of		
			folding.	different radii on		
			 Finding the radius 	a paper and find		
			of different types	the centre by		
			of wheels.	folding it.		
			 Make your spin top 			
			by taking a piece of			
			cardboard and tracin			
			circle on it, then			
			making a hole and			
			putting a matchstick			
			in it			
			 Using compass 			

			 make designs in circles of different radii Drill and practice exercises to find radius and diameter 			
Novem ber	9. Halves and quarters (12 Periods)	 Knowledge of the fractional numbers. Concept of fraction. Introduction of the new terms like half, quarter Types of fractions, Ability to draw half part of the pictures. To show equivalent fractions Conversion of mixed fraction to improper fraction and vice versa 	 Understands the part or a fraction of the whole. Able to shade the said part of the given shape Able to write the fractional number for the shaded part of the shape. Understanding the concepts half, quarter and threefourth and etc. Understands the types of fractions – like/unlike fractions. Find the cost of ½ kg, ¼ kg, ¾ kg of different objects Able to make half of given objects. Identify equivalent fraction and generate equivalent fraction 	 Divide the given objects into halves in different ways. Finding fraction of a collection. Complete the picture by drawing the other half Solve day- to-day problem Roleplay-Mock shopping. find the cost of given items and make list Solve day-to-day problems using a price list 	 Square sheets, rectangle sheet and circular sheets Price list of different items 	 Worksheet based on identifying like, unlike, proper, improper and unit fractions Worksheet based on conversion of fractions

10. Playing with patterns (12 Periods) (Activity based)	 Recognizing rules in different number and alphabet patterns. Identifies geometrical patterns based on symmetry. Identifies patterns in surrounding. E.g., bedsheet, grill and 	 To observe and understand the patterns in our surrounding To realize the rule of creativity in a pattern. Able to know about symmetrical and non- 	 Observe the pattern in grill, saree, curtains, floor etc. and recognize the sequences Make patterns with numbers and alphabets encoding and 	 Flash cards of numbers and alphabets Worksheets and pictures drawn on the floor. Geometrical shapes 	 Worksheet based on number patterns and alphabets Complete the pattern to encode/decode the message
	 Makes pattern and designs from straight line and other geometrical shapes. 	 Ietters, alphabet and numbers. Able to know patterns involving basic operation. Ability to compute To compute the number pattern using addition/ subtraction/ multiplication/ division. Understands and applies the rules to floor pattern. To recognize the rule for coding/ decoding the messages. Able to know the rule used in 	 patterns and write their name in encoded and decoded way. Complete magic squares and triangles Making patterns using geometrical shapes. Make patterns with vegetable cuttings 	Water colour, Paper	

			puzzles and games. • Applies the knowledge to form a pattern. ASSESSMENT -	3		
Decem ber	11. Tables and shares (15 Periods)	 Multiply and divide using different ways. Division as repeated subtraction. Divide into equal groups Doing daily life calculations based on division. Arranging the things in different groups in different ways. Frame word problems 	 Understand the properties of multiplication. Divide one, two, three digits numbers by 1 digit numeral Solve word Problems involving division and multiplication. Understand that division is repeated subtraction and uses symbol of division. Multiply a 3- digit number. Divides 3-digit numbers with 2-digit number and 1 digit number 	 Arrange bindhi in sequence of the given multiplication fact Skip counting Framing questions by looking pictures Sorting the marbles equally 	Bindhi packet, marbles	 Worksheet based on all four operations Solve word problems
January	12. How	 Weighs objects 	Recall	 Compare the 	Objects	 Measuring
	heavy?	using a balance	imperial	items which	available	the weights
	How	and standard	system of	are	in class	through

light? (15 Periods)	units. Determine sum and difference of weights. Estimates the weights of an object and verifies using a balance. 	 measurement and metric system of measurement Recognizing SI units List the table used in SI system from the lowest to highest units Collect history about fake weighing balance. Awareness about fake weighing balance. Observe and understand the higher and lower units of measureme nt. Make balance and find weight. Select the correct unit of weight of given objects 	 heavy/heavier/ heaviest Estimate the weight of objects in class and find exact weight through weighting balance. List the things bought in grams and kilograms. Compare the weight and height and the units used. Bring 1kg, ½ kg of some pulses. Tell the students to assume that and then make them to weigh the pulses. Use rolling cards and make them to convert lowest unit to highest unit and vice versa. 	room. • Measuring g tape and weighing machine • Rajma seeds, ground nuts, bananas, oranges, vegetable s etc	 weighing machine. Worksheets based on addition, subtraction and conversion of weights. Draw the table to show the lowest to highest unit of weight.
13. Fields		 Understanding 	Measure the		

	and fence s (10 Periods)	 Understanding the concepts of area and perimeter of simple geometrical figures. Ability to compute area and perimeter of regular and irregular shapes. Solving problems based on area and perimeter 	 the meaning of fields (area) and fences (perimeter) Understanding boundary (perimeter) is the sum of the sides of the given figure Finding area and perimeter of different things in the surrounding using scale or tape. Calculate the area and perimeter of regular shapes like rectangle, square etc. Finding the number of squares in inside a regular shape using 1- centimeter square paper. Solving day-to- day life problems related to area and perimeter 	 length and breadth of a given figure and find their area and perimeter. Measure area and perimeter using ribbons of 1 meter length arrange on the floor. Determine area and perimeter using square thread of the irregular shapes. Compare the area and perimeter using threads, graphs paper 	 Math textbook , table, desk, etc. Scale and measuring g tapes. Squared ruled papers and threads. Graph paper 	 Worksheets based on finding area and Perimeter of simple geometrical figures. Solving word problems-based area and perimeter.
y	chart s (9 Periods)	and representation	tally marks and represent in the	record data of favorite hobby,	Charts, newspaper	and framing own questions
		pictograph.	form of bar	snacks, sports	etc.	based on bar
		 Conclusion from data 	graph.	etc. by using tally		graph or pie

	 Draw inferences by discussing with teacher. Represent data graphically (bar and pie charts) Collect/interpret data from the newspaper and represent in tabular form. Solving word problems related to data collection. Represent fraction through chapatti or pie chart. 	 marks, then make bar graphs and frame own questions based on bar graph. Make a pie chart to show the different types of books in library. Draw pie chart to show the number of students in different house colour in primary section. 	chart					