

Month	Lesson	Suggested Activities	TLM/Resources
April	<ul style="list-style-type: none"> • Building with bricks 	<p>.Making some floor pattern and designs as children know. .Making a brick how the child knows. .Identifies the difference between centimeter and meter.(Conversion)</p> <ul style="list-style-type: none"> •Identify the number of faces in different 3D, 2D shapes. •Identify the faces of a brick and recognizes the shapes. •Collect cuboidal objects from surroundings. •Identify and observe different features like wall, floors, Jharokas, Jaalies etc. •Visit to a bricks kiln etc. •Observe and make arrangement of brick patterns on floor and walls. •Find the length, breadth and height of a brick •Observe arches at different places. •Sequential arrangement of jumbled pictures of making of a brick. •Number system through number cards – One lakh. •Difference between cube and cuboid. •Make models of a cube and cuboid. •Integrated with EVS (arches of foot) 	<ul style="list-style-type: none"> • Objects from classroom situations, • flash cards of numbers. Abacus • .coins, ganit- mala sticks Net resources for picture of Historical monuments with arches ,jaallies.

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Apr/May Long & Short		<ul style="list-style-type: none"> • Dramatization on different lengths. • Making different objects by using scale. • Estimate the length of various figures and making them larger or shorter than the given figure. • Find the length of boundary of Math's text book, desk, teacher's table etc. • Calculate the distance between school and home, market, school ground, park etc. • Find the tallest/shortest member of their class, family. • Guess the approx height of prominent landmarks - like Qutub Minar, TV tower, school building etc . • Convert from lower to higher and vice versa (races). <p>Solve word problems related to length.</p> <ul style="list-style-type: none"> • Measuring of different objects like pencil. ribbon, etc. and making them short or long. 	<ul style="list-style-type: none"> • Objects from class room situations like ribbons,pencil etc • Measuring tape ,wooden scale • Appropriate visuals to explain the concept.
Jun/July	A Trip to Bhopal	<ul style="list-style-type: none"> • Listing out the distances to different places from your house. • Number operations related to problems pertaining to a trip/educational excursion such as- • No of students, no of seats in a bus, time management. • Understand the distance time taken,, no of buses required and the amount and money spent. • Learns to read the table showing tickets, trip time etc and apply operations. • Activity what happened at what time during trip to Bhopal. • Addition and subtraction multiplication and division of 3 – 4 digits numbers. • To make smallest and greatest number by the given numbers • Frame word problems using four basic operations. • Practice on addition, more or less than, multiplication by 10. 	<ul style="list-style-type: none"> • Map of India, locality or district. • Abacus and flash cards of numbers.

Jun/July	Tick Tick Tick	<p>.Asking the children that at what time they are waking up at what time they will go to school at what time they will take their breakfast and lunch and dinner. Bringing the clear cut difference between Morning Afternoon Evening and Night.Saying them that Noon and Midnight . The teacher will show the model of a clock hands in a clock.</p> <ul style="list-style-type: none"> • Read a clock and tell the time both in 12 hour and 24 hour time. • Show the time-3 hour's later-5hours earlier etc. similar drill. • Calculate hours /minutes between two given dates. • Convert 12 hour to 24 hour clock time and vice versa. • Read railway/bus/timetable and ticket. • List of activities done in <p>a) 1 Minute (b) Less than 1 hour (c) About an hour</p> <ul style="list-style-type: none"> • Draw the hands on a clock to show the given time. • Write various activities done in am/pm • Find life span of different animals.[Integrated with E.V.S.] • Growth of plant/life span. 	<ul style="list-style-type: none"> • Clock • Old Calendars • Used wrappers or boxes of food items and medicines • A potted plant • School diary. • Newspaper.
Aug		<ul style="list-style-type: none"> • Collecting photos from old news paper and magazines that show Front, Side Back view of different objects. • Observing different objects available in and around the classroom and writing the views and drawing the views. • Use school diary to mark- <ul style="list-style-type: none"> a) Daily activities in correct order on time line b) Duration of autumn, summer break/Days/Dates of holidays/festivals. • [Integrated with letter writing in Languages.] • Collect time of sunrise/sunset from newspaper. Calculate day span. • Show daily routine on time line 12 hr clock/24 hour clock. 	
Aug	The way the world looks	1. To know and draw top and side view of some items-spoon, car ,railway line etc.	2. Objects from classroom. 3. Map
	The ways the world looks	4. Observe a picture/or route map carefully and mark the directions with reference to ones position (left right). 5. Draw a map on the floor and ask children to stand on the map and locate different	

		things around them in different directions 6. Make a cube with numbers on the opposite faces which add up to 7(.Dice) 7. Draw a picture of, pressure cookers; chair a bowl etc from the side top and front. Students may be asked to draw the pictures of their own choice.	
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Aug	The Junk seller	8. 9. 10. Having a discussion with children that hotels they visited and asking them about rates of the cost of one tea, a cup of coffee plate idly and compare the rates w 11. ith other hotels they visited.2 12. Multiplying a number with 10,100 etc. 13. To convert rupees into paisa. 14. Mock junk shop showing buying and selling. Of Junk Items. Make list of things sold in the junk market. 15. Mock bank showing lending and borrowing /buying and selling. 16. Collect notes of different denominations and make different combinations for a given amount. 17. Making a bill. 18. Word problems 19. First guess the answer and then calculate. 20. Mental arithmetic. And Worksheets on addition subtraction and multiplication of 2 digit by 3 digit numbers and bills	21. Object from the class room. 22. Fake rupees and coins

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Sep	Jugs and Mugs	23. 1. Teacher to talk about different animals; showing the pictures to students their size big, small 24. .2. showing them a glass of water and ask the children which animal can drink completely that water. Increase the number of glasses and enter the data in a tabular form like glasses; name of animals. Compare the volume of different things by putting them into jar filled with water. 25. Observe the different capacities in ml and litres 26. Guess how much water can jugs, mugs bottles and glasses of different measures hold. List 3 – 5 items which are measured in litres, ml. 27. Capacity of wrappers/labels like plastic bottle of water, cooking oil, tetra pack of milk etc. 28. Make measuring bottle using a bottle of known capacity. Practice, solve small problems related to capacity mentally Puzzles.	<ul style="list-style-type: none"> • Different types of containers from classroom, ,math ,lab, or chemistry lab of different capacities • Different type of containers available in the market for oil, milk, soft drinks etc.

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Oct	Carts and Wheels	29. Games with circles. (equal distribution) 30. Observe and identify round and circular objects from the surroundings. Collect objects which are circular like bottle cap bangles, rings etc top of a class, 25 p coin. 31. 32. Make circles using coins , bangles etc different sizes using free hand 33. Find radius of different types of wheels.. 34. Name and identify geometrical instruments 35. Find the centre by paper folding 36. Find centre of a circle that cannot be cut or folded 37. Make your spin top 38. Using compass make designs 39. Drill and practice exercises to find radius, diameter and drawing circles of known radius. 40. Integrated with drawing and games.	41. Net resources 42. Round objects in the classroom 43. Geometry box

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Nov	Halves and Quarters	44. 1.By taking the example dividing the whole chapatti into 2 and 4 equal parts colour Half,One fourth..etc..Color $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{2}{3}$. 45. Divide the given into halves in different ways 46. Paper folding activity showing halves and quarters and three fourths. 47. Colour part/fraction of a collection, groups of halves or quarters in a given collection. 48. Complete the picture by drawing the other half. 49. Estimate and market $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{2}{3}$. in a string/water bottle. 50. Solve day to day life problems Using a price list. Note- The teacher can correlate the story- Greedy Kundu with “Muft hi Muft” in Hindi(Class 4)	Round objects in class.

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Nov	Play with Patterns	<ol style="list-style-type: none"> 1. Observe the pattern around them e.g. grill sari, bed sheet, floor etc. and recognize the basic unit/rule/sequence. 2. Make patterns with numbers, alphabets & pictures 3. Complete magic squares and triangles 4. Coding and decoding a secret message with a rule. 5. Observe the tiling pattern in a floor and make floor patterns and wall patterns. 	Flash cards of number, alphabets. Samples of patterns Geometrical shapes

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Dec	Tables and Shares	<ol style="list-style-type: none"> 51. 1.Using flowers of different types arranging them in rows and concept of multiplication to be explained. 2.arranging the benches in a class room children in the morning assembly arranging things in sequence and develop the multiplication.. 52. Arrange things in sequence and develop the multiplication fact e.g. desks in the classroom with different combination 53. Building of multiplication tables with the help of patterns. 54. Jumping activity -Children jump equal steps in a number line and count the no of jumps taken. 55. Skip counting 56. Using class room situation children make group of things and arrive at their own strategies of multiplication and/or division. 57. Framing of questions by looking at pictures 58. Story problems 59. Worksheets on all four basic operations 	Flash cards of numbers Multiplication strips. Puzzles related to division and multiplication.

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Jan	How Heavy	<ol style="list-style-type: none"> 60. Compare the items which are heavy/heavier/heaviest. 61. Estimate weights of familiar objects in class. 	Weights

	y How Light	<p>62. Differentiate things bought in grams and kilograms.</p> <p>63. Compare the weights and height</p> <p>64. Understands how to read the postal rate</p>	<p>Balance</p> <p>Measuring tapes</p> <p>Objects available in the classroom</p> <p>Postal stamps</p>
Jan	Field and fences	<p>1. Asking the children to measure the four sides of the black board, display board, corridor and finding the length and width and perimeter.</p> <p>65. Measures the length and breadth of given figures and things and finds their area and perimeter.</p> <p>66. Determines length in cms, metres, kms of simple figures.</p> <ul style="list-style-type: none"> • Determines area/perimeter using squares, thread of simple geometrical, symmetrical and unsymmetrical shapes • Solves problems based on area and perimeter 	
Feb	Smart Charts	<ul style="list-style-type: none"> • 1. Counting the colours of flowers and how many in number and recording them in a table. • 2. observing a traffic scene and fill up the given table. Which of travel they see most? Travel they see the least. 3. Playing Dice game and recording in a tabular form. 4. Collecting information from children like which item they will take as breakfast; mode of conveyance they use to come to school;; favourite sweet. • Collect data and represent in the form of bar graphs. - Draw inferences by discussing with the teacher • Represent data graphically (bar graph, pie-charts) • Collect/interpret data from newspaper and represent it in tabular form. <p>67. Solve word problems</p>	<p>Objects available in the class</p> <p>Newspaper to collect data</p> <p>Graph</p> <p>Worksheets</p>