

Split up Syllabus

CLASS V

MONTH	SYLLABUS	LESSON	CONCEPT/KEY AREAS	SUGGESTED ACTIVITIES	EXPECTED LEARNING OUTCOMES	TLM/RESOURCES	VALUES/SKILLS	PERIODS
April/May	Geometry Shapes & Spatial Understanding Numbers Numbers And Operations Measurement (Weight, Capacity, Time)	The Fish Tale	<u>Recapitulation of work done in previous classes</u> Geometry (Shapes & spatial understanding) <ul style="list-style-type: none"> Understanding of shapes Number Numbers and Operations Estimation and comparison Understanding of large numbers Basic Operations of 	<ul style="list-style-type: none"> Make different sea animals using various shapes Collection of pictures of different types of boats Find the speed and fare for one round trip. Representing numbers on a Place value chart (Indian & International) Numeral and number names Short form/ expanded form of numbers Formation of smallest and greatest number using 3,4 & 5 digits Compare numbers ($> = <$) Rounding of numbers to nearest tens, 	<ul style="list-style-type: none"> Draws different figures using different shapes. Reads and writes large numbers Compares large numbers Adds, subtracts, divides and multiplies large numbers Round numbers to nearest tens ,hundreds and thousands Understands various units of measurement Converts higher units to lower units and vice versa Understands the relationship between speed, distance and time. Understands concept of loan, interest and savings Solves word 	-Pictures of different types of boats -Indian & International Place value chart -50 grams/100 grams/500 grams/1 kilogram weights -Measuring tape -Measuring cylinder -Flash cards of numbers -Internet resources -Worksheets	Recapitulates the various shapes/number operation and units of capacity /weight/length, it conversion. Develops Creative thinking,	26

<p>April/ May</p>	<p>Geometry Shapes & spatial understanding</p> <ul style="list-style-type: none"> Gets the feel of an angle 	<p>Shapes and Angles</p>	<p>large numbers</p> <ul style="list-style-type: none"> Roundin g of numbers <u>Measur ements</u> (<u>Weight</u>, <u>Capacity</u> , <u>Time</u>) Underst anding the units of weight & capacity, time& distance and differen ces between them. Underst anding the conversi on of units Knowled ge about different kinds of water transpor t system; its 	<p>hundreds and thousands</p> <ul style="list-style-type: none"> Word problems on addition and subtraction, measurement- length, weight, capacity, speed, distance and time. Conversion of units Mock fish market showing buying and selling of fish Mock bank showing borrowing of money, interest and savings. [prepare simple questions on conversion /addition /subtraction/multi plication of Unit and ample questions for practice should be given to students]. <p>Follow up the learning levels of students. Student who lacks basic understanding of the concept(s) be given extra support. Note-</p>	<p>problems related to large numbers, time speed and capacity.</p> <ul style="list-style-type: none"> Integration with EVS and language(s) <ul style="list-style-type: none"> a fairly good idea about:- i) aquatic life ii) Types of fishes. iii) Water transport system in river/lake. iv) Idea of local markets. v) Recitation/narrati on of poems / stories on fish. Understands the concept of a ray, line , line segment Recognizes plane figures Distinguishes between corners, edges, straight and curved edge. 	<p>Geometrical instruments- Protractor, Scale, Divider</p> <p>Visuals of Yoga postures</p> <p>Coloured paper</p> <p>Clock</p> <p>Sticks</p>	<p>Reflect upon the angles and sides of a given shapes. Uses protractor and other instrument to measure the same.</p>	<p>9</p>
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	<p>through observation and paper folding</p> <ul style="list-style-type: none"> Identifies right angles in the environment Classifies angles into right, acute and obtuse angles Represents right angle, acute angle and obtuse angle by drawing and tracing 		<p>speed, capacity to carry and time to cover certain distances.</p> <ul style="list-style-type: none"> Solving word problems Understanding of ray, line, line segment Understanding the concept of an angle Knowledge about different plane figures Knowledge about different types of angles Ability to 	<p>Integrated with "What if it finishes?" Looking Around class 5</p> <ul style="list-style-type: none"> Make shapes using match sticks, understand that polygon with same sides have different shapes because of different angles Make an angle tester using card board and drawing pin Look for the different angles in and around class/home. Angles made by hands of a clock Angles in names Paper folding to show different angles (Paper aero plane) Angles in Yoga postures Observe bridges 	<ul style="list-style-type: none"> Understands the meaning of an angle and comparison of angles. Knows about different types of angles. i.e. (Right angle /less than right angle /more than right angle.) Classifies angles as acute, obtuse and right angle Knows why triangles are used in towers and bridges etc. Uses degree clock and protractor to draw and measure different angles. Solves simple problems related to the measurement of different angles in day today activity. <p>Note- Integrated with " Up You Go" Looking Around Class 5</p>			
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June	Measurement Length <ul style="list-style-type: none"> Determine the area and perimeter of simple geometri 	How many Squares?	<ul style="list-style-type: none"> Understanding of concept of area and perimeter Ability to find area/perimeter of regular 	measure angles using a protractor and degree clock <ul style="list-style-type: none"> Ability to draw angles of given measurements 	and tower [diagonal beams which divide the shapes into triangle. <ul style="list-style-type: none"> Constructing angles of given measurement using Protractor Formation of angles by using different objects. Formation of angles using different gestures of body and BALA. Making different shapes with cycle tube and match stick. Making a paper degree clock Worksheets and Practice exercises for drill work 	<ul style="list-style-type: none"> Understands the concept of area and perimeter. Measures area of regular and irregular shapes using 1cm square paper or geo-board. Derives formulae 	Graph paper/ Square grid Objects from classroom environment Measuring tape/scale Visuals of tile patterns Puzzles	Able to measure the perimeter and area of regular and irregular figure. Develop concepts and discuss about	8
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July	<p>cal figures</p> <p>Numbers Fractional Numbers</p> <ul style="list-style-type: none"> Finds the 	Parts and wholes	<p>and irregular figures</p> <ul style="list-style-type: none"> Comparison of area and perimeter Ability to modify basic shapes to create different tiling shapes Solving problems based on area and perimeter 	<p>things on a square grid/graph paper.</p> <ul style="list-style-type: none"> Finding area/perimeter of Maths notebook, pencil box, stamps etc. Measuring the perimeter of irregular shapes using thread. Creating new shapes out of a square (tile) to make floor patterns. Complete tiling patterns. Visit to a mathematical garden Draw rectangles of 12 squares in different ways on a dot grid. Find the perimeter. Make shapes with straight lines to cover the given area on a graph paper. Puzzles with 	<p>for finding the perimeter and area of given figure.</p> <ul style="list-style-type: none"> Determines the perimeter and area of given figures with given dimensions and express its relevant unit. Solves simple problems related to the measurement of area and perimeter in day today activity. Integrated with drawing <p>Identifies fraction of part of a whole</p>	<p>Internet resources</p> <p>Cut outs of different shapes</p> <p>Collection of ticks/marbles/toffees/bottle caps</p> <p>Coloured paper</p> <p>Graph paper</p> <p>Develops a clear idea of fractional number and its</p>	<p>arious figure.</p> <p>24</p>
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<p>fractional part of a collection</p> <ul style="list-style-type: none"> • Compares fractions • Identifies equivalent fractions • Estimates the degree of closeness of a fraction to known fractions (1/2, 1/4, 3/4) 	<ul style="list-style-type: none"> • Understanding of parts of a whole and a collection – 1/2, 1/4, 3/4 etc • Understanding of different types of fractions • Understanding of equivalent fractions • Ability to generate equivalent fractions • Conversion of improper fractions to mixed fractions and vice versa • Comparison of fractions • Ability to find fractional part of a number • Solving 	<p>five squares (12 different shapes). Find perimeter of each and compare them. Arrange the 12 pieces in a 10X6 rec.</p> <ul style="list-style-type: none"> • Make your own tile • Worksheets and Practice exercises for drill work • Draw our national flag. Write fraction for the different colours. • Design a flag with logo for your Maths club. • Paper folding activities to show different parts of a whole/equivalent fraction • Fraction wall to show equivalent fractions 	<p>and of a collection</p> <ul style="list-style-type: none"> • Uses active vocabulary related to fractions in his/her conversation. • Understands the concept of whole numbers and part of the numbers. • Understands fraction as a division • Understands the term equivalent fractions • Generates fractions equivalent to a given fraction • Understands different type of fractions- Like/Unlike fractions, Unit fractions, Proper and Improper fractions, mixed fractions. • Compares fractions • Converts improper fractions into mixed numerals and vice versa • Calculates fractional part of a number/quantity. 	<p>Fraction Kit</p> <p>Internet resources</p> <p>Flash cards</p> <p>Worksheets</p> <p>Chapati/Pizza/Apple</p> <p>Games/Puzzles</p>	<p>equivalence.</p> <p>Able to represent fractional number in various forms.</p>
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<p>August</p>	<p>Does it look the same?</p>	<p>problems involving fractional numbers</p> <ul style="list-style-type: none"> • Understanding of 	<ul style="list-style-type: none"> • Make a magic top. • Divide a rectangle into 6 parts in different ways. • Take a square grid colour/make design, write fraction for the coloured part • Part/fraction of a collection • Divide the given shapes in equal parts in different ways • The colouring circle game • Paper folding/cutting the Roti/pizza– equivalent fractions • Flash cards with collection and partition of objects e.g. pencils, erasers, books, fruits etc. • Use concrete 	<ul style="list-style-type: none"> • Develops understanding of decimal through fraction with denominators 10,100 or 1000. • Makes design and shapes by paper folding (halves, quarter etc.) • Solves simple problems related to the fractional numbers in our day to day activities. • Observes, describes and continues simple geometrical patterns. • Identifies symmetrical and non-symmetrical shapes, alphabets 	<p>Mirror</p> <p>Flash cards of number/geometrical patterns</p> <p>Cut outs of shapes/alphabets/numbers</p>	<p>Develops logical Thinking. Generates patterns depicting two dimensional and three dimensional shapes.</p>	<p>8</p>
<p>Geometry Shapes & spatial understanding</p> <ul style="list-style-type: none"> • Explores intuitively rotations and reflections of familiar 2-D 							

<p>August (cont)</p>	<p>shapes</p> <ul style="list-style-type: none"> • Explores intuitively symmetry in familiar 3-D shapes <p>Numbers Numbers and operations</p> <ul style="list-style-type: none"> • Explains the meaning of factors and multiples 	<p>geometrical patterns</p> <ul style="list-style-type: none"> • Understanding of symmetrical and non-symmetrical shapes • Ability to generate number /geometrical patterns • Solving problems related to patterns <p>Be my multiple, I'll be your factor</p>	<p>objects such as marbles, sticks, bottle caps etc to show equivalent fractions</p> <ul style="list-style-type: none"> • Make a time table of your daily routine. Write a fraction to show what part of a day is spent for each activity?/ Show different activities of a day on a paper strip with different colours • Games and puzzles • Quiz • Preparing vegetable/grocery bills • Worksheets • Word problems involving fractions from daily life activities. • Worksheets and Practice exercises for 	<p>etc.</p> <ul style="list-style-type: none"> • Discovers and narrates simple characteristics of shapes. • Identifies symmetry and shapes of design using the idea of paper folding. • Generates patterns involving numbers and operations. • Solves simple problems related to symmetrical and asymmetrical patterns. • Integrated with EVS and drawing <ul style="list-style-type: none"> • Understands the concept of factors and multiples of a number. • Understands the relationship between multiples and factors. • Understands even and odd numbers. • Understands the 	<p>10 x 10 grid</p> <p>Bangles, beads, pencils etc.</p> <p>Internet resources</p> <p>Worksheets</p> <p>Represents various Prime and composite numbers in factors and multiples.</p>	<p>18</p>
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<p>September</p>	<p>Can you see the pattern?</p>	<p>ding of Multiples and factors</p> <ul style="list-style-type: none"> • Understanding of odd and even numbers • Understanding of prime and composite numbers • Understanding of common multiples and factors • Ability to compute the LCM and HCF • Solving problems related to multiples and factors 	<p>drill work Note- Integrated with “ Super Senses” Page 11, Looking Around Class 5</p> <ul style="list-style-type: none"> • Make a pattern from a drop of colour • Drawing the other mirror half of the given picture • Mirror game (Putting the mirror on different places on figures and drawing the shapes obtained) • Distinguish symmetrical and asymmetrical figures from the given figures/objects • Pictures of clock/mouth 	<p>concept of prime and composite numbers.</p> <ul style="list-style-type: none"> • Understands the concept of common multiples and common factors. • Sorts out the even and odd numbers that come between the given numbers. • Sorts out the prime and composite numbers that come between the given numbers. • Finds factors and multiples of a given numbers. • Solves simple problems related to multiples and factors in day today activities. 	<p>Samples of patterns</p> <p>Magic square/ magic triangle</p> <p>Printing blocks</p> <p>Internet resources</p> <p>Worksheets</p>	<p>Identification of various number patterns.</p>	<p>12+8</p>
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<p>October</p>	<p>Patterns</p> <ul style="list-style-type: none"> Identifies patterns in square numbers, triangular numbers Relates sequences of odd numbers between consecutive square numbers Makes border strips and tiling patterns <p>Geometry Shapes & spatial understanding</p> <ul style="list-style-type: none"> Intuitive idea of a map 	<p>Mapping Your Way</p>	<ul style="list-style-type: none"> Understanding of patterns Ability to make patterns 	<p>of different animals /exercise postures or other diagrams to show different symmetrical and asymmetrical shapes</p> <ul style="list-style-type: none"> Observing and drawing different shapes on rotating $1/3$, $1/2$, $1/4$, $1/6$ etc Worksheets and Practice exercises for drill work Use 10 x 10 grid and colour all the even and odd numbers in different colours.. Play meow and dice game to give the concept of multiple. 	<ul style="list-style-type: none"> Observes and understands the pattern Recognizes the basic unit which generates the pattern. Makes patterns with numbers and letters. Computes the given patterns using four basic operation of mathematics Applies the knowledge to form pattern. Integrated with drawing Is able to read a map. Understands the need of a scale of a map used to locate the given 	<p>Map of India</p> <p>Map of Delhi</p> <p>Map of World</p> <p>Graph paper</p> <p>Compass needle</p> <p>Floor maps</p> <p>Layout plans</p> <p>Develops ability to read map and understands the scales.</p>	<p>16</p>
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November	<ul style="list-style-type: none"> Reading maps and calculating distances 	Boxes and Sketches	<ul style="list-style-type: none"> Knowledge and understanding of reading maps Understanding of directions Understanding of scale of a map 	<ul style="list-style-type: none"> Write multiples of given numbers and also find out common multiples. Arrange the groups of different things with a fixed number in different ways (concept of factor) (Things used Bangles, seeds, pencils etc) Make factor trees for the given number Puzzles Arranging bangles into equal groups possible for a given no. of bangles. For ex. 6, 1X6, 2X3, 3X2, 6X1 List the factors of given two no. and write the common factors in the common region 	<ul style="list-style-type: none"> area. Develops the concept of enlarging/reducing the area in the given map. Understands the four directions and is able to locate the given area in the map. Draws conclusions and inferences from the map. Converts one unit of length to another unit of length. Compares data and solves simple problems using maps. 	<p>Dice</p> <p>Model of a cube/cuboid</p> <p>Cartons/boxes/match box</p> <p>Chart paper</p>	Learns about three dimensional shapes its layout and drawing.
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November	<p>Geometry Shapes & spatial understanding</p> <ul style="list-style-type: none"> Gets the feel of perspective while drawing a 3-D object in 2-D Makes the shapes of cubes, cylinders and cones using nets especially designed for this purpose 	Tenths and Hundredths	<ul style="list-style-type: none"> Understanding of 2 dimensional and 3 dimensional shapes Visualization of 3 dimensional shapes and its representation in 2 dimensional Ability to differentiate between deep drawing and layout plans 	<ul style="list-style-type: none"> On a 1 to 100 number grid colour multiples of 2 with red, 3 with blue and 4 with yellow. Pick the numbers which have all the three colours(Prime and composite numbers) Worksheets and Practice exercises for drill work Observe the patterns on gift wrappers/cloth and try to deduce the rule. Make a vegetable block and using colours print on paper/cloth taking $\frac{1}{4}$, $\frac{1}{2}$ turns. (clockwise/ant 	<ul style="list-style-type: none"> Understands the concept of 2 dimensional and 3 dimensional shapes Understands deep drawing (the 3 dimensional perspective drawing. Differentiates between the 2-dimensional and 3- dimensional figures. Solves simple problems in daily life situation based on 2-dimensional and 3 dimensional shapes. 	<p>Decimal place value chart</p> <p>Scale/ Measuring tape</p> <p>Graph paper</p> <p>Newspaper</p> <p>Internet resources</p> <p>Worksheets</p> <p>Price tags</p>	<p>Relates fractional number and concept of decimal. Learns conversion of decimals. Use of graph paper.</p>	15
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Fractional numbers

- Uses decimal fractions in the context of units of length and money
- Expresses a given fraction in decimal notation and vice versa

- Understanding of decimals
- Understanding the basic operations of decimals
- Understanding of relationship between measures (Km/m/cm/mm)
- Conversion of higher units into lower units
- Conversion of decimals

iclockwise)

- Observe the rule in the given patterns and complete the pattern using the rules. [Magic square, Magic Hexagon, number and number (change in order of number in the addends) Palindromes, Magic calendar etc.]
- Worksheets and Practice exercises for drill work
- Finding the location of Agra from Delhi in the map of India.
- Take a map of your city and tell the location of one locality to others and its associated

- Develops understanding of decimals through fractions with denominators 10 and 100
- Converts a decimal into fraction and vice versa.
- Expresses a given measurement in higher or lower units.
- Derives formulae for finding the decimal and percentage.
- Converts a given measurement in higher or lower units.
- Measures temperature
- Adds and subtracts decimals
- Solves simple problems related to decimals/money transactions.

into fractions and vice versa

- Ability to add and subtract decimals
- Measurement of temperature
- Problem solving

objects like park, hospital, temple etc.

- Drawing a map on the floor and ask the children to stand on the map and saying the location of different things around them using the words towards north, in the east etc.
- Enlarging or reducing of pictures or maps on graph paper, the class room floor, the mud ground etc.
- Finding actual (approximate) distance between cities with the help of political maps.
- Drawing map of your class room and primary wing and expressing the different

objects e.g.
black board,
window, door,
display board
etc

- Worksheets and Practice exercises for drill work
Note- Integrated with “ Whose Forests” Page 188, Looking Around, class 5

- Counting of faces, edges and corners of a cube/cuboid.
- Finding the area of each face of the cube/cuboid.
- Making a list of things which look like a cube/ cuboid in their surroundings.
- Practicing to visualize the net of box, to think of how it

looks when flattened, and also to check which nets do not make a box.

- Making of cubes/cuboids /cylinder etc using dice, empty match boxes and thick papers.
- Drawing front view, side view and top view of given models, objects etc.
- Worksheets and Practice exercises for drill work
- Integrated with drawing

- Measure the length of different things in mm and cm like notebook, pencil, eraser,

pen, desk etc.

- Convert cm into mm and vice versa
- Measure the height of boys and girls in the class/height of family members
- Measure the length and width of currency notes of different denominations and write them in mm and cm.
- With the help of graph paper, teacher will explain decimals, fractions and relation between them.
- Represent the given decimal on a square grid/graph paper
- Find the value of currency of other countries in Indian

December	Measurement Determines the area and perimeter of	Area and its Boundary	<ul style="list-style-type: none"> Understanding of concept of area and 	<ul style="list-style-type: none"> currency. Find the maximum and minimum temperatures of different cities and find their differences too Collect the price tags of objects/items. Observe the decimal notation of Rupees and Paisa. Teacher explains the hundredths place. Create a market scene. Buying and selling things will give an understanding of money transaction. Worksheets and Practice exercises for drill work 	<ul style="list-style-type: none"> Measure the length and breadth of the given things 	<ul style="list-style-type: none"> Understands the meaning of fields (area) and fences 	Scale/ Measuring tape Cut outs of different shapes	Clear cut idea about area and boundary. Uses standard units to measure	11
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simple geometrical figures

- Understanding of units of area and perimeter.
- Ability to compute area and perimeter of regular and irregular shapes.
- Solving problems based on area and perimeter.

- and finding their area and Perimeter.
- Paste different cutouts and find their area and perimeter.
- Make a birthday/greeting card and find its area and perimeter.
- Finding the perimeter and area of classroom, display board, black board etc.
- Draw two squares (one is double of the other) .Find their perimeter and area and compare too.
- Draw different shapes by using a thread of fixed length. (Perimeter same but area is different).
- Take a drawing sheet

- (perimeter/boundary).
- Understands that the boundary is the sum of the sides of the given figure.
- Measures the area of regular and irregular shapes using 1cm square paper or geo-board.
- Derives formulae for finding the perimeter and area of a square or rectangle.
- States the unit of area and perimeter.
- Solves simple problems related area and perimeter.
- Understands that things of same area can have different perimeters.

Worksheets

January	<p>Data Handling Collects two dimensional quantitative data Represents data in form of a table</p>	Smart Charts	<ul style="list-style-type: none"> Understand and the graphical representation of data (bar graph, 	<p>and find its area and perimeter. Then cut it into small strips. Join the strips to form a belt and find the area and perimeter. (Same area can have different perimeter.)</p> <ul style="list-style-type: none"> Make all possible rectangles and squares with the given number of squares Worksheets and Practice exercises for drill work <ul style="list-style-type: none"> Use the tally marks to show the mode of transport used by students to commute to school Collect the strength of students in classes I to V of primary section and 	<ul style="list-style-type: none"> Collects and records data Represents the data in tabular form or bar graph. Understands fractions 	<p>Data collection</p> <p>Newspaper to collect economic data, survey analysis</p> <p>Family details</p> <p>Internet resources</p>	<p>Recognition Observation Classification Collection of data Interpretation</p>	10		
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<p>January(Cont)</p>	<p>Draws a bar graph or pictograph to present a data</p> <p>Numbers Numbers and Operations</p> <ul style="list-style-type: none"> Appreciates the role of place value in 	<p>pie chart)</p> <ul style="list-style-type: none"> Ability to represent data in tabular form Ability to interpret data Solve word problems 	<p>find the total strength. Which class has the maximum/minimum strength?</p> <ul style="list-style-type: none"> Observe the 1/2 an hour TV programme and making tally marks for the different advertisements. Making a table to record temperature of different cities and represent the data as Bar Graph. Make your family tree up to IV generation (Great grandparents) Record growth of any plant/animal and represent it on a graph paper in form of growth chart Collect information from the newspaper and tabulate the information (Daily temperature, scores, economic data) Worksheets and Practice exercises for drill work <p>Note- Integrated with “</p>	<p>through chapatti chart or pie chart.</p> <ul style="list-style-type: none"> Draws conclusions and inferences from the data. Compares the data Solves simple problems using charts/data. <ul style="list-style-type: none"> Knows the properties of multiplication. Multiplies 2 or 3 digit numerals by another 2 Or 3 digit numeral. Solves problems involving 	<p>Worksheets</p> <p>Objects like erasers, pencils, sharpener etc available in the classroom environment</p> <p>Worksheets</p>	<p>Able to depict fact in pictorial /graphical manner.</p> <p>Estimation. Gains deeper knowledge of multiplication and division related problems.</p>	<p>1 7</p>	
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addition, subtraction and multiplication algorithms

- Uses informal and standard division algorithms

- Understanding of different ways of multiplication
- Knowledge of terms used in multiplication and division (Multiplier and product; divisor, dividend and quotient)
- Understanding of properties of multiplication and division
- Solving word problems based

What if it Finishes" (Page 118) Looking Around, class 5

- Multiply any two numbers in different ways by breaking method and column method.
- Determine the division and multiplication facts of a given number
- Problem sums related to daily life.
- Collection of simple objects like pencils, eraser, sharpener etc and arranging them in different groups.
- Do sums of division and check your result by multiplication.
- Give a situation and ask students to frame a question related to the concept of division and multiplication
- Mock shopping situations created. (for mental calculations and to know the

multiplication

- Knows properties of division.
- Divides a numeral by one or two digit numeral
- Solves word problems involving division.
- Understands that multiplication is repeated addition and uses the symbol for multiplication.
- Understands that division is a process of equal distribution of sharing.
- Solves problems involving multiplication of a number (up to 4 digits) with a 2 or 3 digit number
- Divides a number (up to 4 digit) by 1 or 2 digits numbers with or without remainder.
- Checks division

February	<p>Measurement</p> <ul style="list-style-type: none"> Relates commonly used larger and smaller units of length, weight and volume and converts one to another Appreciates volume of a solid body: intuitively and also by 	How Big? How Heavy?	on multiplication and division	<p>operation involved)</p> <ul style="list-style-type: none"> Worksheets and Practice exercises for drill work Comparing the volume of different things by putting 	<p>fact using corresponding multiplication facts</p> <ul style="list-style-type: none"> Solves word problems involving multiplication and division dealing with daily life activities charts/data. Solves puzzles involving for operations. Understands the concept of volume as the measure of space an objects occupies. Finds volume of cuboids and cubical containers by filling in with unit cubes Derives formulae for finding the volume of a cube or cuboids Recognizes the units of mass and volume Calculates the 	<p>Cubes</p> <p>Cards of same size</p> <p>Jar of water</p> <p>Worksheets</p> <p>Internet resources</p>	<p>Gets and fairly good idea of</p> <ul style="list-style-type: none"> -Area & Volume -Weight & volume <p>Able to discuss the concept and solve the problem.</p>	1 +1 0	
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<p>March</p>	<p>informal measurement</p> <ul style="list-style-type: none"> Solving problems involving length, weight and volume 	<ul style="list-style-type: none"> Understand the concept of volume Understanding the units of volume and mass Ability to find volume of a cube and a cuboid Solving problems related to volume and mass 	<p>them into jar filled with water.</p> <ul style="list-style-type: none"> Making a measuring bottle. Finding volume by arranging the cubes and counting them. Finding volume of a match box by measuring its length, width and height. Making a paper cube Match box play – arrange a particular no. of boxes to make plat form of different heights. Take 4 cards of the same size make pipes (i) length wise pipe (ii) width wise pipe (iii) triangle shaped pipe (iv) square shaped pipe. Fill one with sand and pour it into another – compare their volume. Make a list of grocery items used at home in one month along with 	<p>volume of a cube or cuboids of given dimension and express in relevant unit.</p> <ul style="list-style-type: none"> Solves simple problems related to volume of the cubes. 			
	<p>Revision</p>						

their quantity
(weights)and also
find the total
weight

- Worksheets and
Practice Exercises
for drill work

March