

Month / No of Working Days	Name of the Unit / Chapter/Topic	Learning Outcomes	Suggested Activities/ Projects under Internal Assessment/PRACTICALS	Assignment	Assessment
APRIL	Term 1 Book Ch. 1 Numbers Ch.2 Addition and Subtraction	<ul style="list-style-type: none"> •To extend the concept of numbers in the Indian and International place value systems to larger numbers : read, write, compare. • To know rounding off numbers to the nearest tens, hundreds and thousands •To build on the understanding of Roman Numerals •Understand the concept of addition and subtraction to large numbers. •to know the various properties of addition and subtraction • to solve word problems of addition and subtraction 	<ul style="list-style-type: none"> •Representation of large numbers on the Indian and International place value charts using the flash cards given. •Number Fun: matching the Hindu Arabic numerals with their Roman numerals. <p>Decode and solve the puzzle</p>	To make place value charts of Indian and International place value systems in a creative way. Worksheets & book Exercises	<p>Following instructions carefully</p> <p>Arrange the digits in required order.</p> <p>Integrating ideas correctly</p> <p>Observation</p> <p>Accuracy in problem solving</p>
JUNE	Ch.3 Multiplication	<ul style="list-style-type: none"> •Extend the concept of multiplication to large numbers •Understand the properties of multiplication •To know multiplication of a number by multiples of 10 •To solve word problems on multiplication 	Students will be distributed cards of multiplication and answers. As one student reads the question card, the student with its answer should come forward.	Paste the picture of one of the tallest building in the world and find the height of this building in centimetres	<p>Works out multiplication questions as per the norms set</p> <p>Worksheets</p>
JULY	Ch.4 Division Ch.5 Multiples and Factors	<ul style="list-style-type: none"> •Understand the concept of division and perform division with larger dividend and divisor. •Apply the properties of division. •Division of a number by multiples of 10. •To solve word problems of division. •To identify prime and composite numbers 	<p>Simplify the problems and mark the number names on the word grid.</p> <p>Form 4 digit numbers using the flash cards given and check its divisibility by 2, 3, 4, 5 etc</p> <p>Group of four students will find</p>	Solve the fun time puzzle given in the text book. Make factor trees to find	<p>PERIODIC TEST -1</p> <p>Division of 6 digit number by 2 and 3 digit numbers</p> <p>Exercises and worksheets</p> <p>Finds out correct</p>

		<ul style="list-style-type: none"> • tell the difference between twin primes and co-prime numbers • Find the prime factorization of a number by factor tree method, division method . • Find HCF by listing the factors, factorization method, division method. • To understand the properties of HCF find LCM by listing multiples, prime factorization, division method. • To know the properties of LCM. 	<p>one by one number, it's factor, it's multiple and whether the number is prime or composite in a 10×10 grid with numbers 1 to hundred. Continue this activity with all students.</p>	<p>the prime factorization of the given numbers.</p> <p>Solve the Ladder book worksheet</p>	<p>factors and multiples</p> <p>Supports the response with logical explanation</p> <p>Enjoy doing activity.</p>
AUGUST	Ch.6 Fractions	<ul style="list-style-type: none"> • To show proper, improper fractions and mixed numbers on the number line. • To find equivalent fractions. • Comparing like and unlike fractions • Simplifying a fraction to its lowest form • Comparing fractions and arranging them in required order. • Addition , subtraction multiplication and division of fractions. • To solve word problems of fractions. 	<p>Show fractions by folding different shape papers half, quarter, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{6}$ etc.</p> <p>Cut different fractions from a whole and perform addition by joining the parts and write answer as fractions.</p>	<p>Make a fraction wheel or make a bird or fish using different fractional parts cut</p> <p>Worksheets</p>	<p>Takes initiative to complete the given task.</p> <p>Uses appropriate language</p> <p>Identify and show fractions with accuracy</p>
	Ch.7 Decimals and Percentages	<ul style="list-style-type: none"> • To simplify multiplication sums where decimal is multiplied by a whole number or a decimal number • To simplify a division sum where a decimal is divided by a whole number or a decimal number. • To understand the relation between percentages and fractions. • Conversion between percentages and decimals • To solve word problems on percentages. 	<p>Divide students in the groups and distribute number cards having fraction, decimal number, percentages and ask to arrange the card in such a way that adjacent cards have the same value.</p>	<p>Draw the components of air in a pie chart and show each part as fraction and percentage both.</p>	<p>Exercises and worksheets</p> <p>Follows instructions correctly.</p> <p>Can convert a given percent into a decimal</p> <p>Can convert a given percent into fraction</p>
	Ch. 8 Time			<p>Note down the timing of each</p>	<p>Note down the study</p>

		<ul style="list-style-type: none"> •To solve problems involving addition and subtraction of time. •units of time and its application •To calculate duration of a given activity. •To identify the number of days between two given dates 	<p>periods'in the school time table and find the time allotted for prayer, break and classes .</p> <p>Add to get duration of school</p>	<p>time duration of each subject for one week and calculate the total time given to each subject</p>	<p>Give logical explanation</p> <p>Calculate and read time with accuracy</p> <p>Worksheets</p>
SEPTEMBER	<p>Term- 2 Book</p> <p>Ch. 1 Metric Measures</p>	<ul style="list-style-type: none"> •To know all the basic units of length, weight and capacity. •Conversion of larger units of length, weight and capacity into smaller units and vice-versa. •To solve sums involving addition, subtraction, multiplication and division of metric measures. •To solve word problems on length, weight and capacity. 	<p>Use ruler to measure the length of the given objects convert the length into mm.</p> <p>Compare the weight of heavy and light objects.</p> <p>Different sized water bottles' capacity will be measured using a glass.</p>	<p>Write the names of 5 tallest trees in the world and mention their heights.</p> <p>Collect data of the weight of all your family members</p>	<p>TERM-1 EXAM</p> <p>Worksheets and book exercises</p> <p>Convert the measures accurately</p>
OCTOBER	<p>Ch. 2 Profit/Loss and Bills</p> <p>Ch.3 Ratio, Proportion and Unitary Method</p>	<ul style="list-style-type: none"> •Define cost price and selling price. •Understand profit and loss •Solve to find the cost or selling price if profit/loss is given •Define overhead charges •Solve word problems based on CP/SP , Profit/loss •Explain about shopping bills. •Define ratio •Show that ratio can be expressed as a fraction • Find equivalent ratios and ratios of the given quantities •Understand the concept of proportion •Relate that the product of means is equal to the product of extremes •Define unitary method and apply it to solve problems 	<p>Divide the class into 4 groups tell them to make lemonade and sell each glass so as to make a profit. Give them the cost price of raw materials.</p> <p>Find the ratio of rice and dal in dosa batter.</p> <p>Find the ratio of boys to girls in the class.</p>	<p>Prepare a bill of 10 grocery items.</p> <p>Exercises and worksheets</p> <p>Find out which state of India has maximum and minimum sex ratio. What is the sex ratio of our state</p>	<p>Worksheets</p> <p>Conditions of profit and loss are clear.</p> <p>Worksheets</p> <p>Mental Maths</p> <p>Oral test</p>

NOVEMBER	Ch. 4 Simple Interest	<ul style="list-style-type: none"> •Understand the terms Principal, Simple Interest, rate of interest and Amount. •Use the formula to calculate the value of the third term when the values of the remaining terms are given. •To calculate Principal, Rate of interest, Period of time and the Amount using the formula. 	Discuss about Home loan, car loan and money deposit in a bank. Compare the loan amount and money returned.	Collect details of your house loan or car loan.	Exercises and worksheets Understand the value of money.
	Ch.5 Geometry	<ul style="list-style-type: none"> •To identify an angle and understand how it is formed •Find the measure of an angle using a protractor •Construct an angle using a protractor • Identify the types of angles. •To compare between parallel lines and perpendicular lines. •To identify parts of a circle •To construct circles of the given radii 	<p>Measure angle of real life objects using a protractor</p> <p>Construct different angles using protractor and discuss its kind.</p> <p>Construct a circle using a compass.</p>	Make a working model of Angles.	<p>Identify angles type correctly.</p> <p>Know to measure and construct angles of given measures accurately using protractor.</p>
DECEMBER	Periodic Test 2 (Ls. 1&2) Ch.6 Symmetry and Patterns Ch.7 Perimeter, Area and Volume	<ul style="list-style-type: none"> •To identify figures which are symmetrical •To find that some shapes have more than one line of symmetry. • To know that images /figures /letters can have rotational symmetry of different orders. •Identify patterns from the surroundings. 	<p>Fold craft paper and cut to make design, open to observe the symmetry and rotation in shapes.</p> <p>Take a leaf from the garden and fold it along the middle line and notice one side overlaps other side. Mark line of symmetry.</p>	<p>Draw shapes and few letters . Rotate them clockwise by $1/4$ turn, $1/2$ turn and $3/4$ turn and draw the figures.</p> <p>Draw mirror image of MATHEMATICS.</p>	Periodic Test 2 Worksheets Critical thinking and experiential learning skills have been used. Worksheets and book exercises. Enjoy doing activity.
		<ul style="list-style-type: none"> •Understand the concept of perimeter and area. •Apply the formula to find the perimeter /area of a rectangle, square and triangle. •Understand the concept of volume. 	<p>Measure the textbook boundary using scale.</p> <p>Colour the area covered by pencil box in the notebook to show area of box.</p>	<p>Draw and count the squares covered to find the area of different shapes on a squared paper.</p>	

		<ul style="list-style-type: none"> • Apply the formula to find the volume of cube and cuboid. 			
JANUARY	Ch.8 Data Handling	<ul style="list-style-type: none"> •Draw and interpret a bar graph •Find the average of the given quantities •To analyse and solve related word problems 	Collect the data of number of students using various modes of transport and represent them on a bar graph	Collect electricity bill from 7 neighbour hood houses and calculate the average bill amount also draw a bar graph showing electricity consumption	<p>Study and interpret a bar graph.</p> <p>Calculate average correctly.</p>
FEBRUARY	Revision	Oral and written revision	Exercises and worksheets		<p>Term-2 Exam</p> <p>Oral and written test</p>
	Term-2 Exam (Ls 1 to 8)				
MARCH	Continue Term -2 Exam				

NAME OF THE SUBJECT TEACHER: Mrs. Mary Joseph

SIGNATURE OF THE SUBJECT COORDINATOR: Mrs. Saritha V