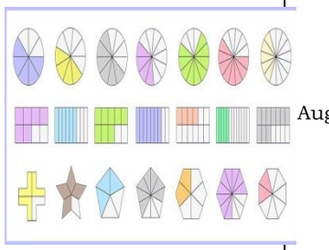
VIDYA PRATISHTHAN'S DR. CYRUS POONAWALLA SCHOOL (CBSE), BARAMATI

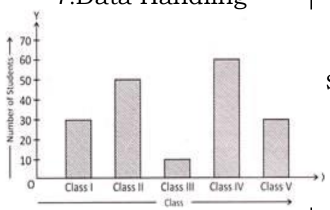
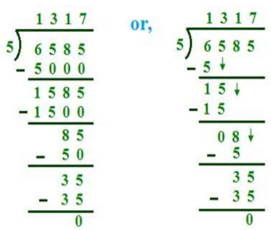
ANNUAL CURRICULUM PLANNING, 2025-26

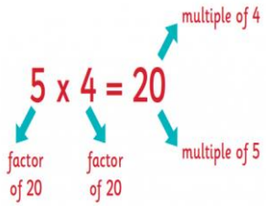
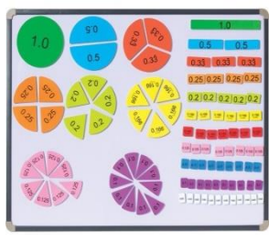
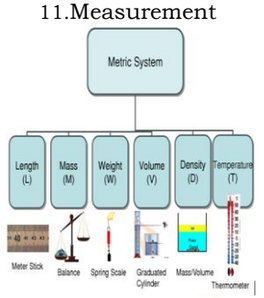
Std-IV Sub –Mathematics Marks-100

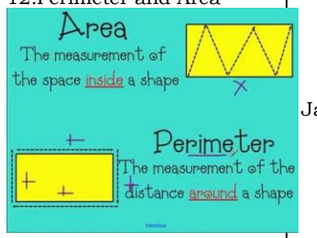
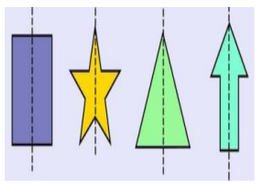
Sr. No.	Content/Topic	Month and Working Days	No. of Periods for teaching	Learning Objectives	Expected Learning Outcome	Activity	21st Century Skills	Teaching Aids	Assessment
	BRIDGE COURSE	April (11)	4	Recapitulation: Read & write 3 & 4 digit numbers, know the face value and place value of the numbers, Addition and Subtraction of 4 digit numbers, Simple Multiplication and Division of numbers.	Students are able to recapitulate. Students can read the numbers, add and subtract, multiply and divide 3 digit numbers.	**Activity-** To understand place value using abacus.	Problem Solving	Abacus, Place value chart	Worksheet
1.	1. Large Numbers 	April(12)	14	1. Introducing 'Ten thousands' place value. 2. Visualizing a large number and representing it. 3. Introducing 'Lakhs' place value. 4. Visualizing a large number and representing it. 5. To arrange the given large numbers in ascending & descending order. 6. Differentiate between Roman and Hindu-Arabic numerals. 7. Convert Roman numbers into Hindu-Arabic numbers and vice-versa. 8. 7. Applying concepts learnt in assessments	1.To read and write 5-digit numbers to know face value & place value. 2. Represent 5-digit numbers on the Abacus. 3. To read and write 6-digit numbers.To know face value & place value. 4. Represent 5-digit numbers on the Abacus. 5. Reorder the number in ascending & descending order. 6. To identify the symbols used in Roman Numbers. 7.To convert Roman numbers into Hindu-Arabic numbers & vice-versa. 8. Complete worksheets based on the chapter concepts.	**Activity-** To form the greatest and smallest numbers using a given set of digits.	Problem Solving	Abacus, Place value chart	Worksheet, Mental Math.

2.	2.Addition and Subtraction  TTh Th H T O 7 6 4 3 5 - 4 5 3 2 3 3 1 1 1 2	May(8)/ June(10)	18	1. To add 5-digit and 6-digit numbers without regrouping. 2. To add 5-digit and 6-digit numbers with regrouping. 3. Apply addition of large numbers to real-life situations. 4. To learn the properties of addition. 5. To subtract 5 & 6 digit numbers without regrouping. 6. To subtract 5 & 6 digit numbers with regrouping. 7. Apply subtraction of large numbers to real-life situations. 8. To learn the properties of subtraction. 9. To solve problems involving both addition & subtraction.	*1.* Perform addition of two 5-digit and 6-digit numbers without regrouping. *2.* Perform addition of two 5-digit and 6-digit numbers with regrouping. 3. Solve word problems on addition of two 5-digit and 6-digit numbers. *4.* Understand and apply the properties of addition. *5.* Perform subtraction of two 5-digit and 6-digit numbers without regrouping. *6.* Perform subtraction of two 5-digit and 6-digit numbers with regrouping. *7.* Solve word problems on addition of two 5-digit and 6-digit numbers. *8.* Understand and apply the properties of subtraction.	Formation of 5-digit numbers. **Activity:** To understand the concept of addition and subtraction of 5-digit and 6-digit numbers.		cards of numbers and Blocks of ones, tens & hundreds	*Wor*ksheet ,Add the following. Subtract the following.
3.	3. Multiplication (2) H T O 3 0 4 x 1 2 5 1 5 2 0 6 0 8 0 +3 0 4 0 0 3 8 0 0 0	June(14)/July(15)	29	1. To understand and apply the properties of multiplication. 2. To multiply a number by 100, 1000, 10,000. To perform smart multiplication. 3. To multiply numbers using grids. 4. To multiply a 4- digit number by a 1- digit & a 2- digit number. 5. To solve word problems on multiplication of 3 & 4 – digit numbers. 6. To estimate the product of two 3- digit numbers	Students will be able to- 1. Building multiplication tables. 2. Multiply 3-digit number by a 3- digit number. 3. Recognize that multiplication can be done in any order. 4. Multiply numbers by power of 10 and their multiples.	**Activity** -To find the product of two numbers by lattice method. **Activity**-To generate the multiples of 10 by multiplication and addition.	Initiative and Self-Direction	Multiplication table chart marbles	Worksheet, Mental Math worksheet.

				to the nearest hundred.					
4.	4.Fractions 	August (10)	10	1. To recognize simple fractions such as half, one-third, one-fourth, one-eighth. 2. To find equivalent fractions. Reduce a fraction to its lowest terms. 3. To understand like fractions. To compare & order like fractions. 4. To add & subtract like fractions. 5. To understand proper, improper & mixed fractions. 6. To convert mixed fraction into improper fractions & vice a versa. 7. To represent a fraction on the number line.	Students can- 1. Describe the concepts half, one third and quarter by shading. 2. Write equivalent fractions of a given fraction. 3. Define like & unlike fractions.Perform Addition & subtraction of like fractions. 4. Define proper, improper & mixed fractions. 5. Convert mixed fraction into improper fractions & vice a versa. 6. Represent a fraction on the number line.	**Activity-** To understand equivalent fractions by paper folding.	Problem solving, Productivity & Accountability.	Paper cut-outs of circle & square, notebook, ruler, pencil	Worksheet Mental Math Worksheet.
5.	5.Shapes 	August (14)	14	1. To measure & draw line segments. 2. To distinguish between open & closed curve. To classify polygons 3. To draw a circle & identify its centre, radius, diameter, chord, circumference. 4. To identify the number of faces, edges & vertices of some 3D shapes.	Students can- 1. Measure & draw line segments. 2. Distinguish between open & closed curves. 3. Define polygon & its types. 4. Draw a circle using a pair of compass. Identify centre, radius, diameter, chord, circumference of a circle. 5. Classify 3D shapes. Construct nets of solid shapes. 6. Use tan gram pieces to create different shapes.	**Activity -** To study the part of a circle	Social & cross-cultural interaction, Art-Integrated learning, Experiential learning.	Different solid shapes such as cube, cuboid, cone, cylinder etc.	Draw solid shapes on isometric dotted paper. Use tangram pieces to create different shapes.

6.	6..Time  	September(14)	14	1. To read time to the exact minute. 2. To write time in 12 hour clock. 3. To write time in 24 hour clock. 4. To calculate time duration of an event. 5. To compute the number of days between two given dates. 6. To prepare a timeline.	Students will be able to- 1. 1. Read time to the exact minute. 2. Write dates in different ways. 3. Write time in 12-hour & 24-hour clock. 4. Calculate time duration of an event. 5. Calculate the number of days between two given dates. 6. Make a timeline.	**Activity-** i) To reinforce the concept of time. ii) To make model of a clock	Initiative & self-direction, Technology learning, Experiential learning, Creativity & Innovation.	Clock, calendar, ICR	Make a timeline of some important events of our freedom struggle.
7.	7.Data Handling  	September(10)	10	1. To interpret a bar graph. 2. To draw a bar graph. 3. To interpret a pie chart. 4. To draw a pie chart.	Students will be able to- 1. Create & interpret a bar graph. 2. Illustrate data using pie chart. 3. Draw conclusions from bar graphs & pie charts.	**Activity-** To learn to investigate, represent and analyze data. To draw a bar graph & pie chart	Information Literacy, Initiative & self-direction, Environmental literacy	Information chart, ruler, compass & notebook	Read the pictograph to answer the questions. Worksheet
8.	8.Division  	October(12)/November(15)	27	1. To divide a 3-digit number by a 2-digit number by long division with remainder. 2. To divide a 4-digit number by a 1-digit number by long division. 3. To divide a 4-digit number by a 2-digit number by long division. 4. Solve word problems on division of 3-digit & 4-digit numbers. 5. To divide a number by 100, 1000, 10,000. 6. To estimate the quotient of two	Students will be able to- 1. Use repeated subtraction to solve division problem. 2. Apply the properties of division. 3. Solve word problem related to division.	**Activity :** To understand equal sharing.	Critical Thinking	Different things i.e. pencil, sharpener to introduce the concept	Worksheet, Mental Math Worksheet.

				numbers					
9.	9. Factors and Multiples  	November(10)/December(05)	15	1. To list the factors of a number. 2. To draw the factor tree of a number. 3. To find the common factor & the highest common factor of the given numbers. 4. To understand facts about multiples. 5. To find the common factor & the lowest common factor of the given numbers. 6. To check divisibility of a number by 2, 5 & 10.	Students can- 1. 1. Find the factors & multiples of a number. 2. Draw the factor tree of a given number. 3. Write the common factors & common multiples of given numbers. 4. Define even & odd numbers. 5. Calculate HCF & LCF of given numbers. 6. Apply divisibility rules of 2, 5 & 10	**Activity-** To find the factors of a given number by pictorial representation	Problem solving, Critical thinking.	Notebook & pencil.	Worksheet Mental Math Worksheet.
10.	10. Decimals 	December(10)	10	1. To understand the place value chart of decimal numbers. 2. To understand the concept of tenths, hundreds & thousands.	Students can- 1. 1. Understand the place value chart of decimals. 2. Define tenths, hundreds & thousands. 3. Represent fractions as decimals & decimals as fractions.	**Activity-** To understand the concept of decimal representation.	Information Literacy	Notebook, ruler, pencil.	Represent the fractions on a number line.
11.	11.Measurement  	January(15)	15	1. To understand the units of length, convert units of length from one unit to another unit. 2. To add & subtract lengths. 3. To understand the units of weight, convert units of weight from one unit to another unit. 4. To add & subtract weight. 5. To understand the units of capacity, convert units	Students will be able to- 1. Convert length, weight and capacity from one unit to another unit. 2. Perform addition & subtraction on the measures of length, weight & capacity 3. Solve word problems based on addition & subtraction of length, weight & capacity	**Activity-** To estimate the length, weight and capacity of different objects and comparing it with real measurement	Experiential learning, Problem solving, Initiative & Self-direction	Different measures of length, weight and capacity.	Worksheet

				of capacity from one unit to another unit. 6. To add & subtract capacity.					
12.	12.Perimeter and Area  	January(10)	10	1. To explain the perimeter of a figure.Calculate the perimeter of rectangle, square, triangle & closed figures. 2. To explain the area of a figure.Calculate the area of regular shapes & polygons. 3. To calculate the area of irregular shapes 4.	Students will be able to- 1. Define perimeter & calculate the perimeter of rectangle, square, triangle & closed figures. 2. Calculate the area of regular shapes 3. Calculate the area of irregular shapes	**Activity:** To draw some regular & irregular shapes on a square paper grid and find their area & perimeter.	Problem solving, Critical thinking, Social & Cross-culture interaction, Art-Integrated learning	A square paper grid, pencil, a leaf, ruler, coloured pencils etc.	Worksheet
13.	13.Money 	February(13)	13	1. . To add & subtract money. 2. To multiply & divide money.	Students can- 1. Perform addition, subtraction, multiplication & division of money. 2. 2. Create bills.	**Activity-** To role play buying and selling.	Financial Literacy, Productivity & Accountability. Information literacy	Dummy currency notes, coins, bills, etc.	Convert the following.
14.	14.Patterns & Symmetry 	February(10)/March(8)	18	1. To create patterns on addition, subtraction, multiplication & division of numbers 2. To identify symmetrical figures & find the lines of symmetry of symmetrical figures. 3. To draw mirror image of simple figures.	Students will be able to- 1. 1. Complete addition, subtraction, multiplication & division patterns in numbers. 2. Identify symmetric figures & their lines of symmetry. 3. Draw mirror image of simple figures.	**Activity -** To draw the lines of symmetry and mirror image	Problem solving, Critical thinking, Experiential learning, Art-Integrated learning	Notebook, Sheets of paper, pencil, ruler	Draw the lines of symmetry, mirror images & tessellation