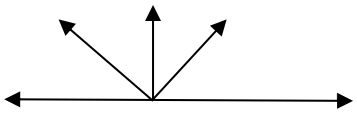
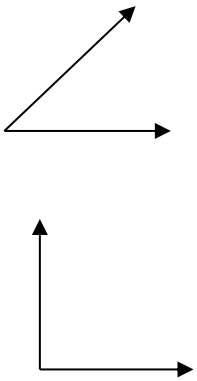
CLASS	**V**
CHAPTER	**Angles**
LEARNING OBJECTIVES	To make them acquainted with the knowledge of : • Different types of angles • Pair of related angles • Applications of angles in daily life
P.K. TESTING	• A ____has one end point • A ray has no ____ length • A line has ____ points • Identify the following _____ 
VOCABULARY	• Ray • Arms of the angle • Vertex • Degree • Protector • Complementary angle • Supplementary angle

	• Interior angle • Exterior angle
IMPORTANT SPELLING	• Acute angle • Right angle • Obtuse angle • Straight angle • Complete angle • Reflex angle • Zero angle
INNOVATIVE METHODS	• Smart class • Online reference material
PROCEDUERES	• Acute angle • Right angle • Obtuse angle • Straight angle • Complete angle • Reflex angle • Zero angle • Complementary angle • Supplementary angle

STUDENT PARTICIPATION	Students will be solve the below diagram 
RECAPTITUALTION	a) Draw and define acute angle. b) Draw an angle of 45^0 using protractor c) Draw an angle of 120^0 using compass d) Identify the following angle 
LEARNING OUTCOME	Students will be able identify and draw different types of angles
ASSESSMENT	Student will be given worksheet on angles

CLASS	**V**
CHAPTER	**Factors and Multiples**
LEARNING OBJECTIVES	To make them acquainted with the knowledge of : • Prime and composite no's • Divisibility rules of

	• Factors and multiples • Highest Common Factor H.C.F • Lowest Common Multiple L.C.M • Word problem
P.K. TESTING	• List the first 20 odd number • List the even number between 70 and 90 • List the first five multiple of 7
VOCABULARY	• Prime number • Composite number • H.C.F • L.C.M • Prime Factorization • Divisibility rules • Co prime • Twin prime
IMPORTANT SPELLING	• Unique number • Consecutive • Division method
INNOVATIVE METHODS	• Smart class • Online reference material • https://www.youtube.com/watch?v=8M4nRI

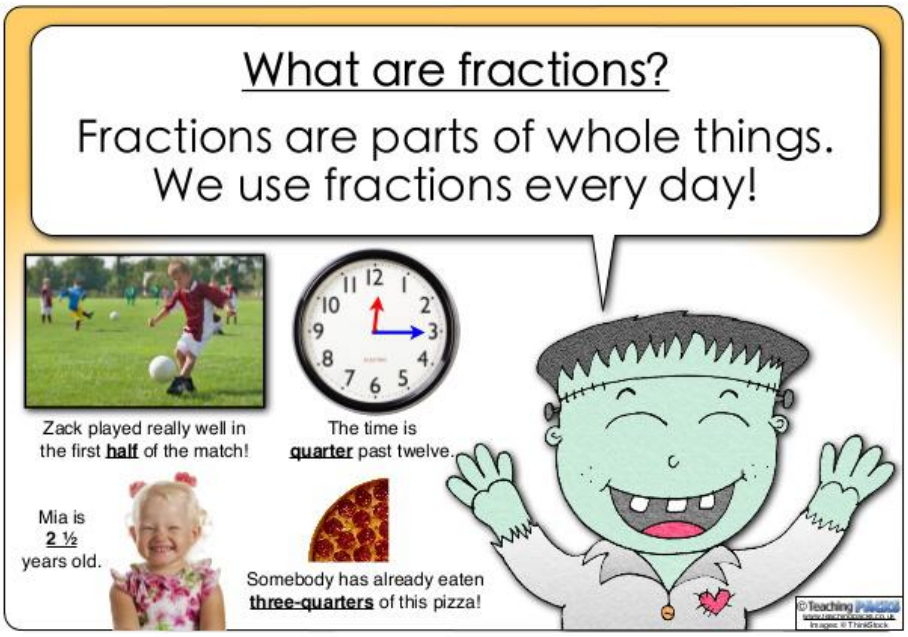
<table>
<tr><td></td><td>Occvo
• https://www.youtube.com/watch?v=XpQAPOZ6IRA</td></tr>
<tr><td>PROCEDUERES</td><td>• Multiples
&
• Properties of Multiples
• Factor
&
• Properties of Factor
• Prime and Composite number
• Prime Factors
• Divisibility rules
• H.C.F & L.C.M
• Making smallest and greatest number using the given digits will be explained</td></tr>
<tr><td>STUDENT PARTICIPATION</td><td>Students will be explained
<table>
<tr><td>A</td><td>B</td><td>H.C.F</td><td>L.C.F</td></tr>
<tr><td>2x3x3</td><td>2x5x7</td><td></td><td></td></tr>
<tr><td>2x3x3x7</td><td>2x3x11</td><td></td><td></td></tr>
</table></td></tr>
<tr><td>RECAPTITUALTION</td><td>1) Find the L.C.M of 12, 18, 24 and 36 by short division method.
2) Find the H.C.F of 42,70,112 by long</td></tr>
</table>

	division 3) Find the greatest number which divides 148 and 100 leaving remainder 4 in each case
LEARNING OUTCOME	Student will be able to read and write the given number according to multiples and factors
ASSESSMENT	Student will be given worksheet on multiple and factors

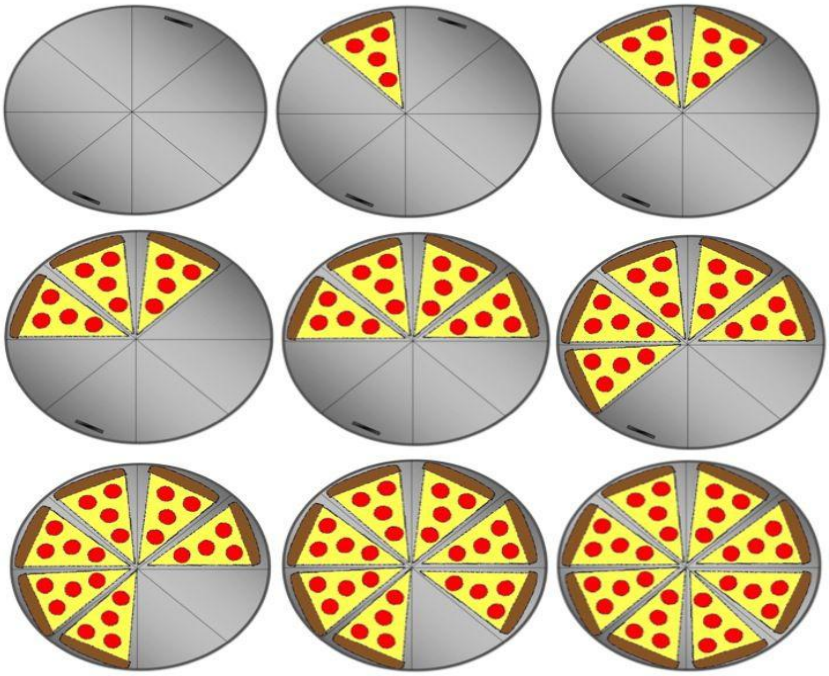
CLASS	**V**
CHAPTER	**Fractions**
LEARNING OBJECTIVES	• Students become aware that fractions can be seen in students' everyday life. • Students will understand that fractions are used to express an amount obtained as a result of equal partitioning and are used to express quantities less than 1 (only unit fractions). • Students will understand the meaning and the representations of fractions. • To become aware that addition and subtraction can also be applied to fractions.
P.K. TESTING	1) Add 17 + 13 = 2) What is half part of any object? 3) Can we use fraction in our daily life?

VOCABULARY	• Proper & improper fraction • Like and unlike • Unit fraction & mixed fraction • Equivalent fraction
IMPORTANT SPELLING	• Lowest term • Simplest term • Numerator • Denominator • Whole number • Reciprocal • L.C.M • H.C.F
INNOVATIVE METHODS	• Smart board • Example from daily life • Online reference material
PROCEDURE	The teacher will first test the previous knowledge of students. She will ask following questions like- • How will we divide a chocolate cake in to 8 pieces? • How 4 is written in ordinal number?

She will explain the different fractions ways we can use fraction in our everyday lives.



- Fraction means a part of a whole object.



- How to read a fraction-

How to read fractions

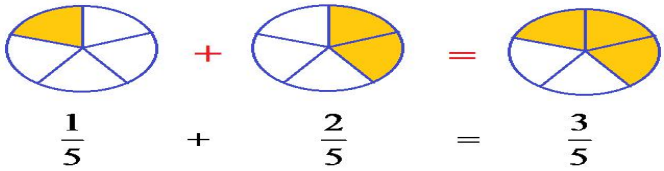
$\frac{1}{2} = one\ half$ $\qquad$ $\frac{3}{2} = three\ halves$

$\frac{1}{3} = one\ third$ $\qquad$ $\frac{2}{3} = two\ thirds$

$\frac{1}{4} = one\ \ fourth$ $\qquad$ $\frac{2}{4} = two\ \ fourths$

- Fraction: Numerator and Denominator

  Fraction consists of numerator and denominator.

	 Reducing the fractions into lowest term • To add and subtract unlike fractions • Multiply and division of fractions
STUDENT'S PARTICIPATION	• Students will be asked to write the fraction of each shape
RECAPITULATION	Recapitulation is done by the teacher by asking few questions • Find an equivalent fractions of $\frac{7}{11}$ having denominator 33 • Check whether the given fraction and equivalent or not.
LEARNING OUTCOME	Students will easily understand the topic of fractions & representation of fractions.
ASSESSMENTS	Students will be asked to solve multiple type question

CLASS	**V**
CHAPTER	**Numbers System**
LEARNING OBJECTIVES	Objectives to make them acquainted with the knowledge of : • Indian/International place value chart (till ten Crore and hundred millions place). • Place /face value, expanded/short form successor/predecessor to make the smallest and greatest number using given digits. • Differences between periods and places.

VOCABULARY	• Places and Periods. • Place and Face value. • Expanded and Short form. • Successor and predecessor. • Ascending and Descending order. • Smallest and Greatest number.
IMPORTANT SPELLING	• Hundred • Thousand • Lakh • Crore • Million
INNOVATIVE METHODS	• Smart class • Online reference material
PROCEDUERES	• The teacher will explain Indian place value chart and international place value chart. & • Explain them how to write in words by using comas at right place • Place / Face value • Expanded form /Short form

	• Successor & Predecessor • Ascending & Descending order • Making smallest and greatest number using the given digits will be explained
STUDENT PARTICIPATION	Students will be solve the cross word puzzle
RECAPTITUALTION	1. Write in words a) 42009452 (Indian system) b) 364805252(International system) 2. Write in short forms 80000000 + 40000 + 900 + 7 3.Find the difference between place and face value of 6 in 26738 4.Write the successor & predecessor of 8294329 5.Fill ups

	a)100 millions =_____ crore b) 1 million =_____ lakhs
LEARNING OUTCOME	Children will be able to read and write the given number according to Indian and international number system
ASSESSMENT	Children will be asked multiple choice question Q. Successor of 100000 a) 99999 b) 100001

CLASS	**V**
CHAPTER	**Operations on large number system**

LEARNING OBJECTIVES	To make them acquainted with the knowledge of: • Method to add and subtract large no's • Meaning and purpose of multiplication and division • How to solve long calculations easily quickly • Importance and use of add /subtract, multiplication & division in daily life
P.K. TESTING	Fill ups a) 97521 - _____ = 97521 b) 3085 + 8241 = _____ + 3085 c) 23962 X 100 = _____ d) 32684 ÷ 1 = _____ c) 765 ÷ 765 = _____
VOCABULARY	• Sum • Addend • Minuend • Subtrahend • Multiplicand • Multiplier • Dividend • Divisor

	• Quotient • Remainder
IMPORTANT SPELLING	• Grouping • Distributive • Total and together • Left and less • Many
INNOVATIVE METHODS	• Smart board • Example from daily life • Online reference material
PROCEDURE	• Properties of addition, subtraction, multiplication and division Will be explained • Multiply using distributive property
STUDENT'S PARTICIPATION	• If 19 x 5 = 95 then 19000 x 500 = _____ ? • The product of two numbers is 48 .one of the number is 4. What is the sum of the two numbers?
RECAPITULATION	• What must be added to 5678469 to make 6164324 • Find the product A) 7892 x 300 B) 7897 x 6000

LEARNING OUTCOME	Student were able to solve operation on large numbers
ASSESSMENTS	Students will be asked to complete multiple choice question

CLASS	**V**
CHAPTER	**SPEED**
LEARNING OBJECTIVES	To make them acquainted with the knowledge:- • Speed. • Distance. • Solve simple problems of distance and speed. • To enhance the mental ability and sharpen the skills.
P.K. TESTING	Answer the following questions :- 1) How many metres are there in one kilometer? 2) What do you mean by per hour?
VOCABULARY	• Km per hour. • Metre per second.

IMPORTANT SPELLING	• Speed. • Distance. • Kilometer. • Per. • Metres.
INNOVATIVE METHODS	• Smart board. • Online reference material. • Example from daily life
PROCEDURE	Teacher will explain the formulas to find:- • Speed. • Distance. • Time. • Conversion of units of speed. • Km/hr to m/sec • M/sec to Km/hour
STUDENT'S PARTICIPATION	• Time taken by the students from home to school and school to home. • Integration with other domain. • They will be able to understand the relationship between temperature and latitude.
RECAPITULATION	1) The speed of a truck is 45km per hour. What distance does it cover in 5 hours? 2) A bus covers the distance of 250km between two

	cities in 5hours. What is speed of the bus?
LEARNING OUTCOME	Student will understand the concept of speed.
ASSESSMENTS	Students will be given a class test:- 1) To convert km/hr, we multiply by_____. 2) If d = 500m, t = 25sec, S =? 3) The distance travelled by a car moving at a speed of 40km/hr in 2hrs is _____.

CLASS	**V**
CHAPTER	**TEMPERATURE**
LEARNING OBJECTIVES	To make them acquainted with the knowledge:- • Celsius scale. • Fahrenheit scale. • Compare the Celsius and Fahrenheit scale. • Normal body temperature.
P.K. TESTING	Answer the following questions :- 3) How do you read a thermometer for kids? 4) What unit is used to record the temperature of boiling water? 5) What is used to measure temperature of day?

VOCABULARY	• Conversion of temperature.
IMPORTANT SPELLING	• Celsius. • Fahrenheit. • Clinical. • Thermometer. • Degree. • Temperature. • Maximum. • Minimum.
INNOVATIVE METHODS	• Smart board. • Online reference material.
PROCEDURE	• Conversion of ^{0}C to ^{0}F • Conversion of ^{0}F to ^{0}C
STUDENT'S PARTICIPATION	• Measure the body temperature of students. • Measure the temperature of Hot/Cold water. Draw clinical thermometer integration with other domains. They will be able to measure the temperature of anything.
RECAPITULATION	3) Convert 68^0 F to ^{0}C. 4) Convert 48^0 C to ^{0}F.
LEARNING OUTCOME	Student will understand the concept of temperature.
ASSESSMENTS	Students will be given a class test:-

	4) Convert 59^0 F to ^{0}C. 5) Convert 63^0 C to ^{0}F.. 6) Fill ups:- • The normal human body temperature is _____. • Freezing point of water is _____^{0}F.

CLASS	**V**
CHAPTER	**Time**
LEARNING OBJECTIVES	To make them acquainted with the knowledge of: • 12hs clock time • 24hs clock time • Conversion of time • Addition of time • Subtraction of time • Duration of an activity • To enhance the mental ability and sharpen the skills

P.K. TESTING	Answer the following questions

1) How many numbers on the face of clock and write times in minutes

2) Asha goes to school at 7:30 in the morning. Write A:M or P:M?

3) The short hand of a clock measures

4) Look at the clock & write the time in hours

VOCABULARY	• Conversions of time • Addition of time • Subtraction of time • Duration of an activity
IMPORTANT SPELLING	• 12 clock time • 24 clock time • Years • Days • Hours • Seconds • Minutes • Months • Total • Duration • Working hours
INNOVATIVE METHODS	• Smart board • Example from daily life • Model of clock
PROCEDURE	Teacher will explain the units of time by showing the model of clock 1) 12 midnight to 12 noon is a:m

<table>
<tr>
<td></td>
<td>
2) 12 noon to 12 midnight is p:m
3) Conversion

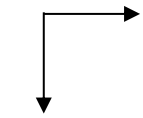
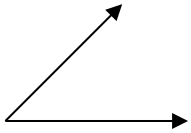
Days into hours and vice-versa
Hours into mins and vice-versa
Mins into secs and vice-versa
Weeks into days and vice-versa

4) Addition of time
5) Subtraction of time
6) Duration of an activity
</td>
</tr>
<tr>
<td>STUDENT'S PARTICIPATION</td>
<td>
Complete the following table:
<table>
<tr><td></td><td>12 hours clock</td><td>24 hours clock</td></tr>
<tr><td>a)</td><td>6:22 p:m</td><td></td></tr>
<tr><td>b)</td><td>1:10 p:m</td><td></td></tr>
<tr><td>c)</td><td>7:05 a:m</td><td></td></tr>
<tr><td>d)</td><td></td><td>2125 hours</td></tr>
<tr><td>e)</td><td></td><td>1818 hours</td></tr>
</table>
Make model of a clock

Integration with other domains: they will be able to understand the timeline of freedom movement. They will be able to operate stop watch for various experiments of science
</td>
</tr>
</table>

RECAPITULATION	1) Convert 9:15 p: m in 24 hours clock time. 2) A dance show began at 6:35 p: m and it lasted for 35 minutes. At what time did the dance shows end? 3) Add 8 mins 28 secs and 16 mins 58 secs
LEARNING OUTCOME	Student will understand the concept of conversions, addition/subtraction, duration of an activity
ASSESSMENTS	Students will be given a class test 1) 1 century = years 2) If 1st March is Friday then the number of Sunday in the month of March of that year is a) 3 b) 4 c) 5 d) 6 3) How many seconds are there in a year?

CLASS	**V**
CHAPTER	**Triangles**
LEARNING OBJECTIVES	To make them acquainted with the knowledge of : • Different types of triangles

	• Properties of triangles • Importance of triangles in daily life
P.K. TESTING	1) What is an acute angle? 2) Define a right angle? 3) Identify the types of angle  
VOCABULARY	• Collinear • Non-collinear • Triangle • Vertices • Sides • Angles • Classification

IMPORTANT SPELLING	• Acute angled Triangle • Right angled Triangle • Obtuse angled Triangle • Equilateral Triangle • Isosceles Triangle • Scalene Triangle
INNOVATIVE METHODS	• Smart class • Online reference material
PROCEDUERES	• Equilateral Triangle • Isosceles Triangle • Scalene Triangle • Acute angled Triangle • Right angled Triangle • Obtuse angled Triangle
STUDENT PARTICIPATION	• Can a triangle have two right angle • Two angles of a triangle are 40^0 and 25^0 respectively. Find the third angle?
RECAPTITUALTION	• In right angled triangle one angle measure 35^0.find each of the remaining two angles

	• If each of the two angle of an isosceles triangle if the third angle is 80^0
LEARNING OUTCOME	Students will be able identify and draw different types of triangles
ASSESSMENT	Student will be given worksheet on triangles