## INFANT JESUS CONVENT SCHOOL ANNUAL PLAN MATHEMATICS CLASS: VIII

MONTH/N O OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
APRIL No of Days: 17	RATIONAL NUMBERS: Rational Numbers Properties Of Rational Numbers Representation of Rational Numbers on the number line Insert Rational Numbers between any two rational numbers	<ul> <li>Students will be able to:</li> <li>Differentiate rational and fractional numbers.</li> <li>Represent rational numbers on the number line</li> <li>Generalise the properties of rational numbers</li> </ul>	<ul> <li>KNOWLEDGE:</li> <li>Apply basic operation on fraction</li> <li>Sketch the number line and mark different numbers.</li> <li>SKILLS: <ul> <li>Critical thinking</li> <li>Problem solving</li> <li>Construction</li> </ul> </li> <li>APPLICATION: <ul> <li>Discussing the number system along with relevant examples</li> <li>Solving the problems using various concepts</li> </ul> </li> <li>UNDERSTANDING: <ul> <li>Distinguish between all properties of rational numbers</li> <li>Insert rational numbers between two rational numbers</li> </ul> </li> </ul>	<ul> <li>Logical- mathematical</li> <li>Intrapersonal</li> <li>Spatial</li> </ul>	<ul> <li>Students <ul> <li>will be able</li> <li>to:</li> </ul> </li> <li>Make use <ul> <li>of rational</li> <li>numbers</li> <li>in real life</li> <li>situations.</li> </ul> </li> <li>Use <ul> <li>properties</li> <li>of rational</li> <li>numbers</li> <li>for solving</li> <li>problems</li> <li>based on</li> <li>rational</li> <li>numbers.</li> </ul> </li> <li>Identify <ul> <li>and</li> <li>visualize</li> <li>rational</li> <li>numbers</li> <li>on the</li> <li>number</li> </ul> </li> </ul>

MAY No of Days: 12	<ul> <li>DATA HANDLING</li> <li>Plotting of Histogram</li> <li>Draw and depict information from a Pie chart</li> <li>Probability</li> </ul>	<ul> <li>Students will be able to:</li> <li>Interpret data and graphically represent it through pictograph, bar graph, double bar graph and histogram.</li> <li>Understand how to compile data and to write in frequency distribution table.</li> <li>Comprehend how to draw a pie chart.</li> <li>Apply the probability</li> </ul>	<ul> <li>KNOWLEDGE:</li> <li>Graphically represent data using different graphs</li> <li>Understand probability and its related term</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Mathematical aptitude</li> <li>APPLICATION:</li> <li>Demonstrating the construction work</li> <li>Apply probability in real life.</li> <li>UNDERSTANDING:</li> </ul>	<ul> <li>Logical- mathematical</li> <li>Intrapersonal</li> <li>Spatial</li> </ul>	line Students will be able to: • Draw the graphs • Make use of probability in real life situations.
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JULY No of Days: 23	Linear equations in one variable: • Define, frame and solve the equation. • Cross multiplication. • Rules of solving Transposition. • Application. UNDERSTANDING	<ul> <li>Students will be able to:</li> <li>Define a linear equation.</li> <li>Frame linear equation for the statement.</li> <li>Learn and understand the process of cross multiplication.</li> <li>Learn the rules and solve the equations by transposition method.</li> </ul>	<ul> <li>KNOWLEDGE:</li> <li>To solve linear equations through grid and square paper.</li> <li>Frame a real- life situation which can be expressed as a linear equation and whose solution is 10[ value of the variable]</li> <li>SKILLS:</li> <li>Imaginative thinking</li> <li>Problem solving</li> <li>Analytical thinking</li> <li>APPLICATION:</li> <li>Solve day to day life problems based on algebraic equations such as – speed &amp; time, age related problems, area &amp; perimeter.</li> <li>UNDERSTANDING:</li> <li>Learn the method in solving real life situation problems.</li> <li>Solve equation when variable lies on one side and both sides.</li> </ul>	<ul> <li>Logical- mathematical</li> <li>Intrapersonal</li> <li>Spatial</li> </ul>	The student s will be able to • Explain and frame linear equations. • Simplify linear equations using different methods. • Interpret the given word problems, analyze, frame the equation and solve it.
	QUADRILATERALS	<ul> <li>Students will be able to:</li> <li>Find missing angle of quadrilateral</li> <li>Find sum of interior angle and diagonals of</li> </ul>	<ul> <li>Understand polygons</li> <li>Sides and angles of different polygons</li> <li>SKILLS:</li> </ul>	<ul><li>Computation</li><li>Kinesthetic</li><li>Intrapersonal</li><li>Spatial</li></ul>	The student s will be able to • Explain

	<ul> <li>Kinds of Quadrilaterals</li> <li>Elements of parallelogram</li> </ul>	<ul><li>polygon</li><li>Define different quadrilaterals</li></ul>	<ul> <li>Problem solving</li> <li>Mathematical aptitude</li> <li>APPLICATION:</li> <li>Design quadrilateral robot</li> <li>Finding different properties of quadrilteral.</li> <li>UNDERSTANDING:</li> <li>Chances and probability related to real life.</li> </ul>		<ul> <li>different types of quadrilate rals.</li> <li>Able to apply angle sum property of quadrilate rals.</li> </ul>
AUGUST No of Days: 23	SQUARES AND SQUARE ROOTS • Square numbers • Properties of square numbers • Square root • Square of decimals • Estimating square root.	<ul> <li>Students will be able to:</li> <li>Define perfect square.</li> <li>identify various patterns and properties related to square numbers.</li> <li>Know about Pythagorean triplets.</li> <li>define square root</li> <li>Explain relation between square and square root.</li> <li>Know methods of finding square root.</li> </ul>	<ul> <li>KNOWLEDGE:</li> <li>Activity on square root clock</li> <li>Squares of number 1-20</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>Solving the problems using various concepts</li> <li>Demonstrating the square root on word problems by different methods</li> <li>UNDERSTANDING:</li> <li>Analyze and apply the properties of square numbers.</li> <li>perfect square and</li> </ul>	<ul> <li>Computation</li> <li>Kinesthetic</li> <li>Intrapersonal</li> <li>Logical methematical intelligency</li> </ul>	The students would be able to: • Identify squares and square number • Find the unknown value in Pythagore an triplets. • Calculate square root of a number by repeated subtractio

		square root.		n, prime factorizati on, long division and estimation methods.
Cubes and cube roots. • Cubes • Properties • cube root • Estimation.	<ul> <li>Students will be able to:</li> <li>Define cube and cube root of a number.</li> <li>discuss the properties of cubes and their application.</li> <li>Explain the difference between cube and cube root.</li> <li>find cube root of a number by prime factorization.</li> <li>explain about estimation method.</li> <li>Apply concepts of cube and cube root in real life situations.</li> </ul>	<ul> <li>KNOWLEDGE:</li> <li>Cubical blocks</li> <li>grid</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>Solving the problems using various concepts</li> <li>Demonstrating the cube root on word problems by different methods</li> <li>UNDERSTANDING:</li> <li>Analyze and apply the properties of cubes</li> <li>Differentiate between cube root and square root.</li> </ul>	<ul> <li>Kinesthetic intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal intelligence</li> </ul>	The student s will be able to • Relate that cube and cube root are inverse of each other. • Develops the applicatio n skills in usage of cubes and cube roots. • discuss how to estimate cube root for perfect cube numbers
Introduction to Graphs. • A line graph.	Students will be able to:	<ul><li><b>KNOWLEDGE:</b></li><li>Plot various</li></ul>	<ul><li>Computation</li><li>Kinesthetic</li></ul>	The students

	• Linear graph.	• Know about line	coordinates on a graph	<ul> <li>Intrapersonal</li> </ul>	will be
	Location of a	graph.	sheet and join to make	Logical	able to
	point/coordinate	• Draw a line graph for	any figure.	mathematical	• Define a
		given data and read	• Plotting of points.	intelligence	line graph.
		it.	SKILLS:	8	• Define a
		• Know about linear	• Logical thinking		linear
		graph.	• Problem solving		graph.
		• Explain about	Analytical thinking		differentia
		cartesian plane and	APPLICATION:		te
		terms related to it.	• cartesian plane and		between a
		• locate points on the	terms related to it.		line graph
		graph and describe	• Construct a line graph		and a
		about coordinates,	And interpret it		linear
		• Select appropriate	UNDERSTANDING:		graph.
		scale to locate points.	• compute linear graph		
		Read the given linear	by plotting the		
		graph.	coordinates		
			• Depict data in the		
			form of linear graph		
SEPTEMBER	DBUIGH				
	REVISIO	ON OF TERM -1			
No of Days:					
05					
CONDUCTI			D WEEK OF SEPTEME		
	Comparing	Students will be able	KNOWLEDGE:	<ul> <li>Computation</li> </ul>	The
	quantities:	to:	• list any 5 essential	• Kinesthetic	student
	Ratios	• Recall and recollect	household items	<ul> <li>Intrapersonal</li> </ul>	s will be
	and	knowledge related to	needed. Find the cost	<ul> <li>Spatial</li> </ul>	able to
OCTOBER	percenta	ratios and	and the tax imposed		11.00
No of Days:	ges	percentages.	on them and prepare a		• differentiat
22	• increase and	• find increase and	bill.		e between
	decrease	decrease percent.	• Make a comic strip on		simple
	percent	• Find discount on a	profit and loss or		interest
	<ul><li>Discount, tax.</li><li>Profit and</li></ul>	commodity. • familiarize with the	compound interest <b>SKILLS:</b>		and compound
	• Profit and				

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loss.	concept of tax.	Critical thinking		interest.
Compound	• Find profit and loss.	• Problem solving		• analyze
interest	• Know the concept of	Analyical thinking		and apply
Annually	compound interest.	APPLICATION:		the
and semi-	• Use formula of	• calculate gain or loss		formula of
annually.	compound interest in	with respect to cost		compound
	solving problems.	price		interest in
	• Define the terms	• find tax imposed and		solving
	compounded-	the net amount.		problems
	annually and semi-	UNDERSTANDING:		related to
	annually.	• compute increase and		real life
	• Use of the concepts	decrease of the value		situations
	in real life.	with respect to		
		percentage.		
		<ul> <li>calculate discount</li> </ul>		
		with respect to		
		marked price and find		
		selling price.		
D manual and 1				
Exponents and	Students will be able	KNOWLEDGE		
Exponents and Powers:	Students will be able to:	KNOWLEDGE:	• Kinesthetic	Students
-	to:	• find the mass of the	• Kinesthetic intelligence	Students will be able
Powers: • Powers with	to: • simplify powers with	• find the mass of the planets and represent		
Powers: • Powers with negative	<ul><li>to:</li><li>simplify powers with negative exponents.</li></ul>	• find the mass of the planets and represent in scientific notation.	intelligence	will be able
Powers: • Powers with	<ul><li>to:</li><li>simplify powers with negative exponents.</li><li>apply laws of</li></ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger</li> </ul>	intelligence • Logical-	will be able to:
Powers: • Powers with negative exponents. • Laws of	<ul><li>to:</li><li>simplify powers with negative exponents.</li><li>apply laws of exponents.</li></ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of</li> </ul>	intelligence • Logical- mathematical	will be able to: • Simplify
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> </ul>	intelligence • Logical- mathematical intelligence	<ul><li>will be able to:</li><li>Simplify given</li></ul>
Powers: • Powers with negative exponents. • Laws of	<ul><li>to:</li><li>simplify powers with negative exponents.</li><li>apply laws of exponents.</li></ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying laws of</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying laws of exponents.</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>AppliCATION:</li> <li>Simplify exponents</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying laws of exponents.</li> <li>Convert</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>Simplify exponents with negative powers.</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying laws of exponents.</li> <li>Convert very small and very large</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>Simplify exponents with negative powers.</li> <li>Compute increase and</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying laws of exponents.</li> <li>Convert very small and very</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS: <ul> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> </ul> </li> <li>Application: <ul> <li>Simplify exponents with negative powers.</li> <li>Compute increase and decrease of the value</li> </ul> </li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying laws of exponents.</li> <li>Convert very small and very large numbers into</li> </ul>
<ul> <li>Powers:</li> <li>Powers with negative exponents.</li> <li>Laws of exponents.</li> </ul>	<ul> <li>to:</li> <li>simplify powers with negative exponents.</li> <li>apply laws of exponents.</li> <li>express very large and very small numbers in scientific notation</li> </ul>	<ul> <li>find the mass of the planets and represent in scientific notation.</li> <li>Make a chain /hanger displaying Laws of exponents.</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>Simplify exponents with negative powers.</li> <li>Compute increase and</li> </ul>	<ul> <li>intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal</li> </ul>	<ul> <li>will be able to:</li> <li>Simplify given expression s by applying laws of exponents.</li> <li>Convert very small and very large numbers</li> </ul>

November No of Days: 22	Algebraic expressions and identities: • Basic terms related to algebra. • Addition and subtraction of expressions. • Multiplication of algebraic expressions • What is an identity? • Standard identities and application.	<ul> <li>Students will be able to:</li> <li>identify the terms related to algebraic expressions.</li> <li>identify like and unlike terms to add and subtract algebraic expressions.</li> <li>use distributive property for multiplication of algebraic expressions.</li> <li>simplify expressions for a given value of the variable.</li> <li>define and compare equation and identity.</li> <li>use multiplication of binomials to explore and verify identities.</li> </ul>	<ul> <li>Compute very large and small numbers into scientific notation</li> <li>Laws of exponents</li> <li>KNOWLEDGE:</li> <li>To prove the identity (a+b)<sup>2</sup> = a<sup>2</sup> + 2ab + b<sup>2</sup></li> <li>To know the standard identities</li> <li>SKILLS:</li> <li>Critical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>Regonise like and unlike terms and perform addition and subtraction of expressions</li> <li>calculate value of the variable by simplifying the expressions.</li> <li>UNDERSTANDING:</li> <li>Enable students to understand that there can be different approaches to solve problems in life. So stay positive and solve problems confidently.</li> </ul>	<ul> <li>Kinesthetic intelligence</li> <li>Logical- mathematical intelligence</li> <li>Intrapersonal intelligence</li> </ul>	notation Students will be able to • define terms like monomial, binomial, trinomial, variable. • find add,subtra ct. product of algebraic expression s • Use various algebraic identities in order to solve problems related to day to day life.
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December No of Days: 12	<u>Mensuration:</u> • Plane figures • Area of trapezium	Students will be able to: • Recall basic formulas	<ul><li><b>KNOWLEDGE:</b></li><li>Collage/Formula chart on mensuration</li></ul>	<ul><li>Computation</li><li>Kinesthetic</li><li>Intrapersonal</li></ul>	Students will be able to

	<ul> <li>Area of polygons</li> <li>Surface area of cube, cuboid and cylinder.</li> <li>Volume of cube, cuboid and cylinder.</li> </ul>	<ul> <li>for areas and perimeter of plane figures.</li> <li>Breakdown a given trapezium into known plane figures.</li> <li>express areas of polygons by dividing it into triangles and rectangles.</li> <li>illustrate 2D representation of a cube, cuboid and cylinder.</li> <li>find surface area of cube, cuboid and cylinder.</li> <li>find volume of a given cube, cuboid and cylinder.</li> <li>calculate volume of given solid in order to find time taken at given rate</li> </ul>	<ul> <li>illustrate 2D and 3 D representation of various figures</li> <li>SKILLS:</li> <li>Logical thinking</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>Discuss about the area and perimeter of the ground required for different sports.</li> <li>Estimate the capacity of the water tanks.</li> <li>UNDERSTANDING:</li> <li>differentiate between volume and capacity.</li> <li>convert the units into required form.</li> </ul>	• Logical methematical intelligency	<ul> <li>Use appropriat e methods to calculate area of a given polygon.</li> <li>Analyse 3D figures and selects appropriat e formula and compute surface area and volume of given cuboidal and cylindrical objects.</li> </ul>
JANUARY No of Days: 18	<u>Direct &amp;</u> <u>inverse</u> <u>Proportions</u> • Direct proportion. • Inverse proportion.	<ul> <li>Students will be able to:</li> <li>observe relationship between two quatities.</li> <li>Examine situations and decide whether the two quantities are proportional to each other.</li> <li>convert the given statement between</li> </ul>	<ul> <li>KNOWLEDGE:</li> <li>Give examples of real life situations that involve variations.</li> <li>Represent proportion on a chart creatively.</li> <li>SKILLS:</li> <li>Problem solving</li> <li>Analyical thinking</li> <li>APPLICATION:</li> <li>factorizing is a useful</li> </ul>	<ul> <li>Computation</li> <li>Kinesthetic</li> <li>Intrapersonal</li> <li>Logical methematical intelligency</li> </ul>	The students will be able to • analyse and find the type of variation between given two quantities.

	· · · ·		 
	two quantities into a	skill in real life.	• calculate
	table and identify the	• understanding time	the
	missing quantity.	and making	missing
		calculations during	value in
		travel.	the given
		UNDERSTANDING:	situation.
		• Regonise and analyse	<ul> <li>solve real</li> </ul>
		the value in given	life
		situation	problems
		• calculate value of the	related to
		variable by simplifying	variations.
		the proportion	
		1 1	
Factorization	Students will be able	<b>KNOWLEDGE:</b>	
• Factors	to:	• finding factors of the	The
• common factor	• express each term	given expressions	student
method.	into irreducible	using cards.	s will be
Regrouping	factors.	<ul> <li>finding area of a plot</li> </ul>	able to
method.	• find common factors	when dimensions are	• Use
factorization using	for the given terms.	given in factors form.	common
identities	• explain about	SKILLS:	factors
• Division of	factorization by		method
algebraic	common factors	Critical thinking	and divide
expressions.	method	Problem solving	the
• Finding errors.		Analyical thinking	polynomial
		APPLICATION:	
		• Represent the terms	s. • check the
		as product of their	
		factors.	mathemati
		• Apply the Identities	cal
		UNDERSTANDING:	statements
		• factorise the given	in order to
		expression by	find the
		common factors	errors and
		methods.	rectify.
		factorise by regrouping	
		the terms	
		express the algebraic	
		express the algebraic	

	expressions by applying identities.
FEBRUARY No of Days: 23	REVISION OF TERM -2
MARCH	CONDUCTION OF TERM -2 ASSESSMENT