

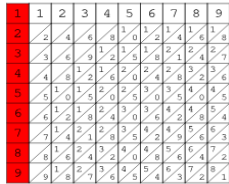
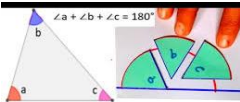


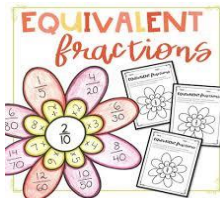
**VIDYA PRATISHTHAN'S NEW BAL VIKAS MANDIR, PIMPLI-BARAMATI.**  
**ANNUAL CURRICULUM AND PEDAGOGICAL PLAN, 2025-2026.**  
**SUBJECT-MATHEMATICS**

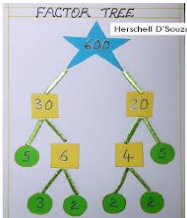
**Std : V A, B & C**


Sr.No	Topic/Sub Topics/Month/No.of periods	Learning Outcome	Assessment tools	Teaching Learning Strategies/Activities	Rubrics	Resources	Inter disciplinary
1	<b>Month-April 2025</b> <b>No. of Periods-17</b> <b>• Large Numbers</b> 1) Successor and Predecessor 2) Smallest and Greatest Number 3) Indian and International place value chart 4) Place and Face value 5) Standard form/Expanded form 6) Ascending and Descending order 7) Rounding off to nearest 10, 100, 1000 8) Roman Numerals	Students will be able to - *develop higher order thinking skills using numbers. *explain the rules of Roman numerals *describe and demonstrate how to convert Roman numerals.	Notebook Activity  	<b>Practice and Repetition</b>  <b>Activity</b> -Number cards (Relating numbers in everyday life) Snakes and Ladders on Roman Numbers <b>Maths Lab</b> -Roman Number Kit <b>Case Study</b> - Save Animals, Save Planet	Knowledge-2 Understanding-2 Accuracy-3 Neatness-3	Textbook Reference books	<b>Life Skills</b> - Problem Solving, Critical Thinking Numeracy  Art Geography


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2	<b>Month-June 2025</b> <b>No. of Periods-20</b> <b>• Addition and Subtraction Of Large Numbers</b> 1) Addition & Subtraction Facts 2) Add and Subtract 3) Word Problems	Students will be able to- *perform basic arithmetic operations on numbers beyond 1000 by understanding of place value of numbers.	Worksheet  	<b>Scaffolding-guided practice, hints</b>  Worksheet <b>Activity</b> -Newspaper cuttings of large numbers and operations on it. <b>Maths lab</b> -Place Value Board		Textbook Reference books	<b>Life Skills-</b> Problem Solving, Critical Thinking Numeracy, Decision making, Social Skills.
3	<b>Month- July 2025</b> <b>No. of Periods-20</b> <b>• Multiplication and Division of Large Numbers</b> 1) Multiplication and Division Properties 2) Find the product 3)Estimating product 4) Word problems 5) Divide the following 6) Estimating the quotient 7) Unitary method 8) BODMAS	Students will be able to- *perform basic arithmetic operations on numbers beyond 1000.	<b>First Unit Test, July 2025.</b>	<b>Scaffolding-guided practice, hints</b> <b>Project</b> - Design an Aquarium <b>Activity</b> -Napier's Bone <b>Maths Lab</b> - Power of 2  	Knowledge-2 Understanding-2  Accuracy-3 Neatness-3	Textbook Reference books	<b>Life Skills-</b> Problem Solving, Critical Thinking Numeracy, Decision making, Social Skills.  Art.

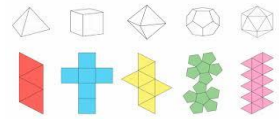
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4	<b>Month- August 2025</b> <b>No. of Periods-10</b> <b>• Geometry</b> 1) Angles- Types ( Acute, right, obtuse, straight, reflex, complete, zero) 2) Construction of angles 3) Triangle – Properties 4) Types – Based on angles and Sides 5) Find the unknown angle of the following triangles 6) Circle- Terms related to circle ( Circumference, radius, chord, diameter, Arc, sector, segment, tangent, semicircle, quadrant) 7) Construction of circle 8) Relation between radius and diameter	Students will be able to- * identify and apply the properties of lines and angles. *construct a circle and angles with given measurement.	Performance task/ Observations	<b>Metacognition strategy:-</b> <b>plan-monitor-evaluate</b>  <b>Activity-</b> Sum of all angles in a triangle is 180. Name the angles used in your name  	Knowledge-2 Understanding-2 Accuracy-3 Neatness-3	Craft paper	<b>Life Skills-</b> Social and Communication skills, Creative Thinking, Decision making  Art English

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5	<b>Month-September 2025</b> <b>No. of Periods-8</b> <b>• Fractions</b> 1) Types of fraction 2) Conversion and Comparison of improper to mixed and mixed to improper 3) Ascending and Descending (like, unlike) 4) Simplest form of fraction 5) Add, subtract, multiply, divide (like unlike, mixed reciprocal) 6) Word problems	Students will be able to- * recognize parts and wholes both visually and numerically. *understand which number in a fraction is the numerator and which is the denominator. *Apply fraction in real life situations, such as measurement and sharing quantities.	<b>First Terminal Examination, September 2025.</b>	<b>Collaboration-group activity</b> <b>Activity-Equivalent Fraction Flower</b> <b>Maths Lab-</b> Magnetic fraction Disc <b>Case Study-Food Share</b> 		Day to day life examples Textbook	<b>Life Skills-</b> Problem Solving, Social and Communication skills, Critical Thinking, Decision making  Art English

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6	<b>Month-October 2025</b> <b>No. of Periods-14</b> <b>• Factors and Multiples</b> 1) Multiples, Properties of multiples 2) Factors, Properties of Factors 3) LCM, HCF 4) Factor tree 5) Types of numbers – Prime, Composite, Twin prime, Co- prime 6) Prime Factorisation 7) Test of Divisibility.	Students will be able to- * explain the relationship between factors and multiples *determine whether a number is a factor or multiple of another number. *solve problems involving factors and multiples. *explore the daily life situation to use of HCF and LCM. *recognise and appreciate the broad classification of numbers as prime, composite,co-prime, etc.	Activity	<b>Active Engagement</b> <b>Project-</b> Sieve of Eratosthenes <b>Activity-</b> Creating factor tree <b>Maths Lab-</b> Power of 2 	Knowledge-2 Understanding-2 Accuracy-3 Creativity-3	Technology Integration	<b>Life Skills-</b> Problem Solving, Critical Thinking, Decision making, Numeracy, Creativity  Art

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7	<b>Month-October 2025</b> <b>No. of Periods-12</b> <b>• Decimals</b> 1) Place value 2) Expanded form 3) Decimal to Fraction, Fraction to decimal 4) Ascending and Descending order 5) Place value 6) Equivalent, like ,unlike decimals 7) Convert unlike to like decimals 8) Add, subtract, multiply, divide 9) Word problems <b>• Percentage</b> 1) Convert fraction to percentage 2) Convert percentage to fraction 3) Convert decimal to percent, percent to decimal 4) Find the value of Percentage of a given number	Students should be able to- * read and write decimals accurately *understand the role of the decimal point and the relationship among tenths, hundredths, and thousandths *converts fraction to decimal and vice versa. *evolve the understanding of the concept of percentage. *provide daily life situation based on profit/loss that show the use of percentage.	Peer Assessment	<b>Collaboration</b> <b>Activity-</b> Card Game Pasting of content tables printed on food items packet. <b>Maths Lab-</b> Decimal Plate <b>Project-</b> Everyday life connect 		Cards	<b>Life Skills-</b> Problem Solving, Social and Communication skills, Critical Thinking, Decision making

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8	<b>Month-November 2025</b> <b>No. of Periods-18</b> <b>• Metric Measures and Temperature</b> 1) Convert the following 2) Add, subtract, multiply, divide 3) Word problems 4) Temperature – Units 5) Convert Celsius to Fahrenheit , Fahrenheit to Celsius	Students will be able to- *describe units of measure. *explain purpose of measuring and apply in real life situation such as calculating distance, weights, volume,temperature, etc.	Worksheet	<b>Metacognition strategy:-</b> <b>plan-monitor-evaluate</b> Worksheet <b>Activity-</b> Metric Measures Ladder <b>Maths lab-</b> Jug and Beaker <b>Case Study-</b> Interhouse Competition 		Textbook Reference books	<b>Life Skills-</b> Problem Solving, Critical Thinking, Decision making, Time Manangement
9	<b>Month-December 2025</b> <b>No. of Periods-20</b> <b>• Perimeter, area and Volume</b> 1) Perimeter- Composite figure 2) Area- Rectangle,Square. 3) Area of composite, irregular figure 4) Volume- Cube,Cuboid	Students will be able to- *calculate the area ,volume and perimeter of a random shape on a grid.	Performance task/ Observations	<b>Metacognition strategy:-</b> <b>plan-monitor-evaluate</b> <b>Activity-</b> Calculate the Area and Perimeter of the things found in your bag. <b>Maths Lab-</b> Pentaminoes		Project method	<b>Life Skills-</b> Problem Solving, Critical Thinking, Creative Thinking, Numeracy.  Art

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10	<b>Month-January 2026</b> <b>No. of Periods-6</b> <b>• Symmetry</b> 1) Patterns-shapes, numbers 2) Symmetry- Line of symmetry 3) Turning shapes 4) Net	Students will be able to- * observe, understand and explore the pattern and make such patterns and extend them. * recognize the basic unit which generates the pattern * Make patterns with numbers and letter *name the 3-D shapes formed by folding net. *make 3-D shapes by folding net.	<b>Second Unit Test, January-2026.</b>	<b>Visualisation</b>  <b>Activity</b> -Craft paper Symmetry <b>Maths Lab</b> -3 D Net  		Technology Integration	<b>Life Skills-</b> Creative Thinking, Decision making  Art
11	<b>Month-January 2026</b> <b>No. of Periods-10</b> <b>• Time and speed</b> 1) Conversion of time 2) Add, subtract 3) Leap year, time duration, calculating days 4) Calculate speed, distance and time 5) Word problems	Students will be able to- *identify the placement of numerals and hands on an analog clock *learn the meanings of expressions such as half past, quarter past, and quarter to	Worksheet	<b>Scaffolding-guided practice, hints</b> <b>Case Study</b> -The Magic of Harry Potter Worksheet <b>Activity</b> - Model of 12/24 hours clock format Masterchef competition –(Edac Game Board)		Technology Integration	<b>Life Skills-</b> Critical Thinking, Time Management, Decision making.  Art History



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12	<b>Month-February 2026</b> <b>No. of Periods-15</b> <b>• Money</b> 1) Convert into Rupees, Convert into Paise 2) Add, subtract, multiply, divide 3) Profit and loss 4) Calculating SP and CP 5) Profit and loss percentage 6) Word problems 7) Bill	Students will be able to- *calculate profit and loss *prepare a bill.	Activity	<b>Metacognition strategy:-</b> <b>plan-monitor-evaluate</b> <b>Case Study-</b> Shinchan's Tour to Island. <b>Activity-</b> Evolution of Money		Technology Integration	<b>Life Skills-</b> Problem Solving, Critical Thinking, Communication skills, Social skills, Decision making, Financial Literacy.
13	<b>Month-February 2026</b> <b>No. of Periods-7</b> <b>• Data handling</b> 1) Pictograph, Bar graph, Circle graph,line graph	Students will be able to- *develop the skills to collect, organise, display, analyse and interpret this information	Worksheet based on activity	<b>Active Engagement Project-</b> Flower Suduko <b>Activity-</b> Collect the information about the favourite cartoon characters. Represent data in the form of a pictograph		Technology Integration	<b>Life Skills-</b> Problem Solving, Critical Thinking, Communication skills, Social skills, Data Interpretation, Decision making. Art Geography

**Second Terminal Examination, March 2026.**