

VIDYA PRATISHTHAN'S NEW BAL VIKAS MANDIR, PIMPLI-BARAMATI

Annual Curriculum Plan (2023-24)

Std: VII A, B & C

Mathematics

Month	Topic	Learning Outcomes	Subject Enrichment Activity
April	Chapter No. 1 Integers	Students will be able to: <ul style="list-style-type: none"> Define the set of integers, positive numbers, Negative numbers, opposites and signs Calculate height above the sea level and depth below the sea level. Multiplication and division of integers. 	1. Multiplication and Division of integers using different colours.
June	Chapter No. 2 Fractions and Decimals (Exercise 2.1 to 2.3)	Students will be able to : <ul style="list-style-type: none"> Interpret the division and multiplication of fractions. 	1. Multiplication and division of fractions.
	Chapter No. 2 Fractions and Decimals (Exercise 2.4 and 2.5)	<ul style="list-style-type: none"> Interpret the division and multiplication of decimals. 	Multiplication of decimals.
	Chapter No. 3 Data Handling	Students will be able to: <ul style="list-style-type: none"> Find representative values(mean, median, mode). Draw double bar graph by organizing data properly. 	1. Drawing and Reading Double Bar Graphs. 2. Record the age (in years) of all your classmates tabulate the data and find mean, median and mode.

<p>October</p>	<p>Chapter No. 8 Comparing Quantities</p> <p>Chapter No. 9 Rational numbers</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> • Find the difference between the ratios • Solve problems related to conversion of percentage to fraction and decimal and vice versa. • Calculate profit/loss percent and rate percent, simple interest. <p>Students will be able to :</p> <ul style="list-style-type: none"> • Recall the properties of rational numbers and perform operations on rational numbers 	<p>Role play -Profit, loss and Interest.</p> <p>Addition Hill Activity</p>
<p>November</p>	<p>Chapter no. 11 Perimeter and Area</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> • Find the area and perimeter of plane figures such as square, rectangle etc. • Use unit square grid sheets in order to find the perimeter and area of parallel • Describe the relationships among radius, diameter, and circumference of circles 	<p>1. To derive the formula for the area of parallelogram</p> <p>2.To verify that the formula for area of circle of radius r is πr^2</p>
<p>December</p>	<p>Chapter No. 12 Algebraic Expressions</p>	<p>Student will be able to:</p> <ul style="list-style-type: none"> • Solve algebraic expressions. • Find the value of expression. 	
<p>Second Unit test, December 2023</p>			
<p>January</p>	<p>Chapter No. 13 Exponents and Powers</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Learn laws of exponent. • Large distances e.g. The distance between Sun and Earth is 1.496×10^{11} m. 	<p>Assignment on Exponents and powers</p>

February	Chapter No. 14 Visualizing Solid Shapes	Students will be able to : <ul style="list-style-type: none">• identify 2D and 3D shapes like computer, laptops and phone.• identify and count their number of faces, edges and vertices of different solid shapes.	To draw 3-D shapes by using isometric dot paper.
Second Terminal Examination, March 2024			