



## Maths Curriculum- Grade 5

QUARTER	TOPICS
QUARTER 1	<p><b>Introduction to Ratios:</b></p> <ul style="list-style-type: none"><li>Rate</li><li>Determine a unit rate</li><li>Calculate rates in a population</li><li>Determine the more economical purchase</li><li>Use a rate to find the raw data</li><li>Calculate an exchange rate</li></ul> <p><b>Percentage Parables:</b></p> <ul style="list-style-type: none"><li>Percent Basics</li><li>Converting Fractions, Decimals, and Percentages</li><li>Percentage Increase and Decrease</li><li>Finding Percentages of Numbers</li><li>Percentage Problems</li><li>Percentage Error</li><li>Percentage of Change</li></ul>
QUARTER 2	<p><b>Fractions:</b></p> <ul style="list-style-type: none"><li>Adding, subtracting, multiplying, and dividing fractions</li><li>Converting between improper fractions and mixed numbers</li><li>Applying fraction operations to solve word problems using PEMDAS</li></ul> <p><b>Geometry:</b></p> <ul style="list-style-type: none"><li>Classifying two-dimensional shapes based on their attributes (angles, sides)</li><li>Determining the volume of rectangular prisms</li><li>Understanding and applying concepts of symmetry and transformations</li><li>Unravelling angle sum properties</li></ul> <p><b>Integers and Algebra</b></p> <ul style="list-style-type: none"><li>Writing Algebraic Expression</li><li>Evaluating Algebraic Expression</li><li>Addition and Subtraction of Algebraic Expression</li><li>Multiplication and Division of Algebraic Expression</li><li>Questions involving place value and Algebraic Expression</li></ul>
QUARTER 3	<p><b>Circles and Sectors</b></p> <ul style="list-style-type: none"><li>Exploring area and circumference of circle using Vedic Math trick for speedy calculations</li></ul> <p><b>Measurement:</b></p> <ul style="list-style-type: none"><li>Converting between measurement units in different systems (e.g., metric and customary)</li><li>Applying formulas to calculate area, volume, and surface area</li><li>Solving real-world measurement problems</li></ul> <p><b>Algebraic Thinking:</b></p> <ul style="list-style-type: none"><li>Evaluating numerical expressions involving parentheses and brackets</li><li>Understanding patterns and relationships in numerical sequences</li><li>Solving equations and inequalities with a single variable</li></ul>
QUARTER 4	<p><b>Geometry:</b></p> <ul style="list-style-type: none"><li>Angles</li><li>Find the measures of complementary angles</li><li>Find the measures of supplementary angles</li><li>Solve problems involving intersecting lines (adjacent angles, corresponding angles, alternate angles, vertically opposite angles)</li><li>Angle sum property in a triangle</li><li>Exterior angles</li></ul> <p><b>Probability and Statistics:</b></p> <ul style="list-style-type: none"><li>Conducting and interpreting statistical investigations</li><li>Analyzing and representing data using measures of central tendency and variability</li><li>Understanding and calculating probability</li></ul>

### Disclaimer

- \*\* 1. The curriculum is subjected to changes and upgradation as per the feedback received from our customers.
2. Project and activities will depend on the type of course and tier.
3. Moonpreneur reserves all the rights to update its curriculum at any given point in time.