



Maths Syllabus for Admission into Class 5

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| <u>1. Whole Numbers</u> | <ul style="list-style-type: none">• Numbers to 100,000• Place value of numbers up to 100,000• Standard and expanded forms• Comparing and ordering numbers• Number patterns• Rounding off to the nearest 10, 100, 1000 and 10,000 and hundred thousand• Negative numbers |
| <u>2. Multiplication and Division</u> | <ul style="list-style-type: none">• Multiplication without regrouping• Multiplication with regrouping• Multiplication with 2 digit numbers• Solving word problems• Quotient and remainder• Division without regrouping• Division with regrouping• Solving Word problems• Divisibility test of 2 ,3,4,5,6, and 9• Forming and solving word problems. |
| <u>3. Factors, Multiples and Prime Numbers</u> | <ul style="list-style-type: none">• Understanding Factors and common factors• Understanding HCF• Understanding multiples and common multiples• Difference between prime and composite numbers• Prime factorization using small numbers• Calculating LCM by common multiples and short division |
| <u>4. Fractions</u> | <ul style="list-style-type: none">• Knowing mixed numbers• Simplifying mixed numbers• Knowing improper fractions• Simplifying improper fractions• Converting mixed numbers to improper |

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| | <p>fractions</p> <ul style="list-style-type: none"> • Converting improper fractions to mixed fractions • Addition and subtraction of like Fractions |
| <u>5. Decimals</u> | <ul style="list-style-type: none"> • Simple subtraction and addition • Subtraction and addition with regrouping • Nearest whole number • Nearest tenth and hundredth • Converting fractions into decimals • Converting decimals into fractions |
| <u>6. Measurement</u> | <ul style="list-style-type: none"> • Estimation and approximation. • Measuring length in metric system. • Measuring Capacity in litres and ml • Measuring weight in g and kg • Conversions |
| <u>7. Time</u> | <ul style="list-style-type: none"> • Adding and subtracting time • Duration in hours and minutes |
| <u>8. Area and Perimeter</u> | <ul style="list-style-type: none"> • Areas of composite figures • Estimating areas of irregular shapes • Perimeter • Perimeter of regular/ irregular polygons |
| <u>9 Handling Data</u> | <ul style="list-style-type: none"> • Organizing, categorizing and representing data • Collecting data • Draw bar graph/ pictogram • Venn diagrams |
| <u>10. Shapes and Solids</u> | <ul style="list-style-type: none"> • Regular and irregular polygons • Drawing polygons |
| <u>11. Angles</u> | <ul style="list-style-type: none"> • Measuring and drawing angles • Using a protractor • Types of angles • Turns and right angles |