

Detailed Contents

| Chapter | Content | Activity/Worksheet |
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| 1. Numbers beyond 9999 | <ul style="list-style-type: none"> • 5-Digit and 6-Digit Numbers • Numbers and Number Names • Face Value and Place Value • International Number System • Standard Form and Expanded Form • Comparison of Numbers • Predecessor and Successor • Ordering of Numbers • Juggling with Numbers • Rounding Off Numbers | <ul style="list-style-type: none"> • Group Activity—Team Spirit, Conceptual Understanding |
| 2. Roman Numerals | <ul style="list-style-type: none"> • Roman Numerals up to Hundred • Conversion of Roman Numeral to Hindu-Arabic Numeral • Conversion of Hindu-Arabic Numeral to Roman Numeral • Addition and Subtraction of Roman Numerals • Modern Usage | <ul style="list-style-type: none"> • Worksheet—Application of Concepts, Observation Skills |
| 3. Addition | <ul style="list-style-type: none"> • Addition of Numbers (without carry over) • Addition of Numbers (with carry over) • Addition of Three or More Numbers • Finding the Missing Digits • Estimating the Sum • Solving and Framing Word Problems | <ul style="list-style-type: none"> • Individual Activity—Observation Skills, Conceptual Understanding |
| 4. Subtraction | <ul style="list-style-type: none"> • Subtraction of Numbers (without borrowing or regrouping) • Subtraction of Numbers (with borrowing or regrouping) • Subtraction with Zeros • Subtraction: Input/Output • Checking Subtraction • Finding the Missing Digits • Estimating Differences • Solving and Framing Word Problems • Addition and Subtraction Together | <ul style="list-style-type: none"> • Group Activity—Team Spirit, Application of Concepts |
| 5. Multiplication | <ul style="list-style-type: none"> • Multiplication Tables from 16 to 20 • Properties of Multiplication • Multiplication by Numbers Ending with Zero • Multiplication by 1-Digit, 2-Digit and 3-Digit Numbers • Multiplication with Zero in the Multiplier • Estimating Product of Two Numbers • Multiplication Tricks • Solving and Framing Word Problems • Mixed Problems • Lattice Multiplication | <ul style="list-style-type: none"> • Worksheet—Thinking Skills, Conceptual Understanding |
| 6. Division | <ul style="list-style-type: none"> • Division of a 4-Digit Number by a 1-Digit Number • Division by a 2-Digit Number up to 20 • Division by a 2-Digit Number More Than 20 • Short Division Method • Division of a Number by 10, 100 and 1,000 • Division When Dividend and Divisor end With Zero(s) • Estimating the Quotient • Solving and Framing Word Problems • Unitary Method • Mixed Problems | <ul style="list-style-type: none"> • Worksheet—Conceptual Understanding, Observation Skills |

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| 7. Factors and Multiples | <ul style="list-style-type: none"> • Factors • Prime Factorization • Common Factors • Multiples • Tests of Divisibility | <ul style="list-style-type: none"> • Worksheet—Observation Skills, Application of Concepts |
| 8. Fractions | <ul style="list-style-type: none"> • Equivalent Fractions • Checking the Equivalence of Two Fractions • Types of Fractions • Converting Mixed Fraction to Improper Fraction • Converting Improper Fraction to Mixed Fraction • Comparing Like and Unlike Fractions • Comparing Mixed Fractions • Ordering of Fractions • Finding Fraction of a Number • Lowest Term of Fractions • Addition and Subtraction of Fractions • Word Problems | <ul style="list-style-type: none"> • Group Activity—Team Spirit, Application of Concepts, Observation Skills |
| 9. Measurement | <ul style="list-style-type: none"> • Smaller Units of Measurement • Addition and Subtraction | <ul style="list-style-type: none"> • Worksheet—Observation Skills, Conceptual Understanding |
| 10. Time and Calendar | <ul style="list-style-type: none"> • Reading Time to the Exact Minute • Time in A.M. and P.M. • 24-Hour Clock • Conversion of Time • Converting Hours into Minutes and Vice Versa • Addition and Subtraction of Time • Duration of Time • Calendar | <ul style="list-style-type: none"> • Worksheet—Observation Skills, Interpretation |
| 11. Money | <ul style="list-style-type: none"> • Conversion of Money • Addition, Subtraction, Multiplication and Division of Money • Word Problems and Price Lists | <ul style="list-style-type: none"> • Field Work—Observation Skills |
| 12. Basic Geometry | <ul style="list-style-type: none"> • Point • Line Segment • Ray • Line • Angles | <ul style="list-style-type: none"> • Individual Activity—Conceptual Understanding, Observation Skills |
| 13. Shapes and Patterns | <ul style="list-style-type: none"> • Open and Closed Shapes • Polygons • Circle • Solid Shapes • Nets • Tiling and Tessellation • Perimeter • Symmetry • Reflections • Patterns • Casting out Nine • Coding and Decoding | <ul style="list-style-type: none"> • Individual Activity—Creativity, Application of Concepts |
| 14. Data Handling | <ul style="list-style-type: none"> • Pictographs and Tally Marks • Bar Graphs | <ul style="list-style-type: none"> • Individual Activity—Application of Concepts |