Math Grade 5

1. Whole Numbers, Operations, and Roman Numerals

- 1.1 Digits and Place Values of Whole Numbers
- 1.2 Place value and Expanded Form
- 1.3 Order Relation
- 1.4 Rounding Whole Numbers
- 1.5 Addition of Whole Numbers
- 1.6 Subtraction of Whole Numbers
- 1.7 Multiplication of Whole Numbers
- 1.8 Division of Whole Numbers
- 1.9 Multiplying or Dividing whole numbers by powers of 10
- 1.10 Order of Operation
- 1.11 Word Problems
- 1.12 Roman Numerals

2. Factors, Multiples, Prime Factorization, GCF and LCM

- 2.1 Factors
- 2.2 Multiples
- 2.3 Common Factors and Common Multiples
- 2.4 Rules of Divisibility (By 2, 3, 4, 5, 6, 8, 9, 10, 11)
- 2.5 Prime and Composite Numbers
- 2.6 Prime Factorization, GCD(or HCF) and LCM

3. Fractions

- 3.1 Exploring Fractions
- 3.2 Types of Fractions and Conversion
- 3.3 Reducing Fractions
- 3.4 Multiplication of Fractions
- 3.5 Division of Fractions
- 3.6 Building Equivalent Fractions
- 3.7 Comparing and Arranging Fraction
- 3.8 Addition of Fractions
- 3.9 Subtraction of Fractions
- 3.10 Simplifying Expressions Involving Fractions

8.6 Parallel lines and Special Angle Pairs

8.7 Curves and Polygons

8.8 Quadrilaterals

8.9 Quadrilaterals: Parallelogram

8.10 Introduction: Triangles

8.11 Properties of Triangles

8.12 Circles

9. Exploring Shapes

9.1 Understanding Symmetry

9.2 Lines of Symmetry

9.3 Turning Shapes

9.4 Patterns

10. Measurements: Basic Operations, Conversions, Time and Temperature

10.1 Addition and Subtraction of Measures

10.2 Multiplying and Dividing Measurements

10.3 Measurement of Length

10.4 Measurement of Mass

10.5 Measurement of Capacity

10.6 Time: 24 Hour Clock

10.7 Calendar

10.8 Addition and Subtraction of Time

10.9 Finding the Starting time or Finishing time

10.10 Finding the Starting Date or Finishing Date

10.11 Temperature

11. Perimeter and Area of Polygons

11.1 Perimeter and Area of Rectangles and Squares

11.2 Area of Triangles, Parallelogram and Trapezoids

12. Solid Shapes: Shapes and Volume of Cuboid and Cube

12.1 Shapes

12.2 Volume of Solid Shapes

12.3 Volume of Cuboids and Cubes

12.4 Volume of other shapes

13. Statistics and Probability

13.1 Reading and Interpreting Data

13.2 Pictographs

13.3 Bar Graphs

13.4 Tally Marks

13.5 Line Graph

13.6 Pie Chart

13.7 Mean, median, Mode and Range

13.8 Probability