

# MATHEMATICS

## Grade 3 Mathematics

### Unit 1: Place Value and Number Sense

- 1.1. Understanding place value up to 10,000
- 1.2. Reading, writing, and comparing four-digit numbers
- 1.3. Rounding numbers to the nearest 10, 100, and 1000
- 1.4. Understanding the relationship between addition and subtraction

### Unit 2: Multi-Digit Addition and Subtraction

- 2.1. Adding and subtracting multi-digit numbers
- 2.2. Estimating sums and differences
- 2.3. Solving word problems involving addition and subtraction
- 2.4. Understanding and applying the properties of addition and subtraction

### Unit 3: Multiplication and Division

- 3.1. Understanding the concept of multiplication and division as inverse operations
- 3.2. Multiplication and division facts (0-12)
- 3.3. Multiplying and dividing two-digit numbers by one-digit numbers
- 3.4. Solving word problems involving multiplication and division
- 3.5. Understanding the properties of multiplication (commutative, associative, and distributive)



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## Unit 4: Fractions

- 4.1. Understanding fractions as part of a whole and as points on a number line
- 4.2. Comparing and ordering fractions with like denominators
- 4.3. Understanding equivalent fractions
- 4.4. Adding and subtracting fractions with like denominators
- 4.5. Multiplying a fraction by a whole number

## Unit 5: Geometry

- 5.1. Identifying and classifying 2D shapes (including quadrilaterals)
- 5.2. Identifying and classifying 3D shapes (including prisms)
- 5.3. Understanding and measuring angles
- 5.4. Recognizing lines of symmetry and congruent shapes

## Unit 6: Measurement

- 6.1. Measuring and estimating lengths using standard units (inches, feet, yards, centimeters, and meters)
- 6.2. Understanding the concepts of area and perimeter
- 6.3. Measuring area and perimeter of rectangles
- 6.4. Solving measurement word problems involving addition, subtraction, multiplication, and division

## Unit 7: Data Analysis

- 7.1. Collecting, organizing, and representing data using bar graphs, picture graphs, and line plots
- 7.2. Analyzing and interpreting data to answer questions and solve problems