



# Yearly Overview Elementary Math Fourth Grade

2024-2025

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Students will use the following process skills to engage with the fourth grade content throughout the school year.

- Applying mathematics to problems arising in everyday life
- Using a problem solving model
- Select tools and techniques to solve problems
- Communicating mathematical ideas
- Create and use representations
- Analyze mathematical relationships to connect and communicate mathematical ideas
- Display, explain, and justify mathematical ideas
- Use precise mathematical language

## Term 1

- **Numerical Foundations Place Value Whole Numbers**
    - Represent the value of the digit in the whole numbers through 1,000,000,000
    - Compare and order whole numbers
  - **Numerical Foundations Place Value Decimals**
    - Represent the value of the digit in the decimals to the hundredths place
    - Represent decimals using concrete and visual models and money
    - Compare and order decimals using concrete and visual models and money
    - Relate decimals to fractions
    - Decimals on a number line
  - **Addition and Subtraction**
    - Add and subtract whole numbers
    - Represent multi-step problems with strip diagrams and equations with variables
  - **Estimation**
    - Round whole numbers through the hundred thousands place
    - Estimate solutions using rounding or compatible numbers
  - **Multiplication**
    - Multiply up to a four-digit number by one-digit number and multiply a two-digit number by two-digit number
    - Solve one- and two-step problems involving multiplication
    - Estimate solutions in multiplication problems
    - Represent multi-step problems with strip diagrams and equations with variables
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## Term 2

- **Division**
    - Divide up to a four-digit dividend by one-digit divisor
    - Solve problems involving division, including interpreting remainders
    - Represent multi-step problems with strip diagrams and equations with variables
  - **Geometry**
    - Points, lines, line segments, rays, angles, and perpendicular and parallel lines
    - Acute, right and obtuse triangles
    - Classify two-dimensional figures
    - Symmetry
    - Determine the approximate angles in degrees using a protractor
    - Draw angles with a given measure
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## Term 3

- **Fractions**
    - Represent fractions using addition
    - Decompose a fraction in more than one way into a sum of fractions
    - Equivalent fractions
    - Compare two fractions
    - Relate fractions to decimals
    - Represent and solve addition and subtraction of fractions with equal denominators
  - **Patterns in a Table**
    - Represent problems using input-output tables and numerical expressions
  - **Measurement**
    - Solve problems that deal with measurement
    - Determine the formula for perimeter and area
    - Solve problems related to perimeter and area
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## Term 4

- **Data Analysis**
  - Represent data on a frequency table, dot plot or stem-and-leaf plot
  - Solve one- and two- step problems using data
- **Personal Financial Literacy**
  - Fixed and variable expenses
  - Calculate profit
  - Savings options
  - Purpose of financial institutions