



# EVERYDAY MATHEMATICS

## PROGRAM GOALS

### PRE-KINDERGARTEN THROUGH GRADE 6

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#### NUMBER AND NUMERATION

Understand the Meanings, Uses, and Representations of Numbers

- Rote counting
- Rational counting
- Place value and notation
- Meanings and uses of fractions
- Number Theory

Understand Equivalent Names for Numbers

- Equivalent names for whole numbers
- Equivalent names for fractions, decimals, and percents

Understand Common Numerical Relations

- Comparing and ordering numbers

#### OPERATIONS AND COMPUTATION

Compute Accurately

- Addition and subtraction facts
- Addition and subtraction procedures
- Multiplication and division facts
- Multiplication and division procedures
- Procedures for addition and subtraction of fractions
- Procedures for multiplication and division of fractions

Make Reasonable Estimates

- Computational estimates

Understand Meanings of Operations

- Models for the operations

#### DATA AND CHANCE

Select and Create Appropriate Graphical Representations of Collected or Given Data

- Data collection and representation

Analyze and Interpret Data

- Data analysis
  - Understand and Apply Basic Concepts of Probability
  - Qualitative probability
  - Quantitative probability
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#### MEASUREMENT AND REFERENCE FRAMES

Understand the Systems and Processes of Measurement; Use Appropriate Techniques, Tools, Units, and Formulas in Making Measurements

- Length, weight, and angles

- Area, perimeter, volume, and capacity

- Units and systems of measurement

- Money

Use and Understand Reference Frames

- Temperature

- Time

- Coordinate Systems

#### GEOMETRY

Investigate Characteristics and Properties of Two- and Three-Dimensional Geometric Shapes

- Lines and angles

- Plane and solid figures

Apply Transformations and Symmetry in Geometric Situations

- Transformations and symmetry

#### PATTERNS, FUNCTIONS, AND ALGEBRA

Understand Patterns and Functions

- Patterns and functions

Use Algebraic Notation to Represent and Analyze Situations and Structures

- Algebraic notation and solving number sentences

- Order of operations

- Properties of the arithmetic operations

[Click here to go to complete grade-level goals list.](#)

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