

EVERYDAY MATHEMATICS PROGRAM GOALS

Pre-Kindergarten through Grade 6

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