

California 5th Grade Math Standards Overview

California follows the **Common Core State Standards (CCSS)**

1. Operations & Algebraic Thinking (OA)

- **Write and interpret numerical expressions**
 - Use parentheses, brackets, or braces in numerical expressions.
 - Evaluate expressions with these symbols.
 - **Analyze patterns and relationships**
 - Generate two numerical patterns and identify relationships.
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2. Number & Operations in Base Ten (NBT)

- **Understand the place value system**
 - Recognize that in a multi-digit number, a digit in one place represents 10 times what it represents in the place to its right.
 - Read, write, and compare decimals to thousandths.
 - Round decimals to any place.
 - **Perform operations with multi-digit whole numbers and decimals**
 - Fluently multiply multi-digit whole numbers.
 - Divide whole numbers up to four digits by two-digit numbers.
 - Add, subtract, multiply, and divide decimals to hundredths.
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3. Number & Operations — Fractions (NF)

- **Use equivalent fractions as a strategy to add and subtract fractions**
 - Add and subtract fractions with unlike denominators (including mixed numbers).
 - Solve word problems involving addition and subtraction of fractions.
- **Apply and extend previous understandings of multiplication and division to multiply and divide fractions**
 - Multiply fractions by whole numbers.
 - Understand division of unit fractions by whole numbers and vice versa.

4. Measurement & Data (MD)

- **Convert like measurement units within a given measurement system**
 - Convert among different-sized standard measurement units within a single system.
- **Represent and interpret data**
 - Make line plots displaying fractions.
 - Use operations on fractions to solve problems involving data.
- **Understand volume**
 - Measure volume by counting unit cubes.
 - Relate volume to multiplication and addition.

5. Geometry (G)

- **Graph points on the coordinate plane to solve real-world and mathematical problems**
 - Use ordered pairs to locate points.
- **Classify two-dimensional figures**
 - Understand concepts of angle and measure angles.
 - Classify shapes based on properties of angles and sides.

Learning Goals for 5th Grade California Math

- Master operations with whole numbers, decimals, and fractions.
- Understand and solve problems involving measurement conversions.
- Interpret and represent data using line plots and graphs.
- Understand volume and relate it to multiplication and addition.
- Use coordinate planes and classify geometric shapes by properties.