



# Arizona Mathematics Standards

## 2016 Content Emphasis

Fourth Grade

### Fourth Grade Major and Supporting Content Emphasis

Course content indicated by: ● major content; ▲ supporting content.

#### Operations and Algebraic Thinking (OA)

- Use the four operations with whole numbers to solve problems.
- ▲ Gain familiarity with factors and multiples.
- ▲ Generate and analyze patterns.

#### Number and Operations in Base Ten (NBT)

*Note: Grade 4 expectations in this domain are limited to whole numbers less than or equal to 1,000,000.*

- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.

#### Number and Operations - Fractions (NF)

*Note: Grade 4 expectations in this domain are limited to fractions with denominators 2, 3, 4, 5, 6, 8, 10, 12, and 100*

- Extend understanding of fraction equivalence and ordering.
- Apply and extend previous understanding of multiplication to multiply a whole number by a fraction.
- Understand decimal notation for fractions, and compare decimal fractions.

#### Measurement and Data (MD)

- ▲ Solve problems involving measurement and conversion of measurements from a larger unit to a small unit.
- ▲ Represent and interpret data.
- ▲ Geometric measurement: understand concepts of angle and measure angles.

#### Geometry (G)

- ▲ Draw and identify lines and angles, and classify shapes by properties of their lines and angles.