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.