

# Critical Areas and Changes in Grade 4

## Critical Areas:

1. Developing understanding and fluency with multi-digit multiplication, and developing understanding of dividing to find quotients involving multi-digit dividends
2. Developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers
3. Understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry

## New to 4<sup>th</sup> Grade:

- Factors and multiples (4.OA.4)
- Multiply a fraction by a whole number (4.NF.4)
- Conversions of measurements within the same system (4.MD.1, 4.MD.2)
- Angles and angle measurements (4.MD.5 4.MD.6, 4.MD.7)
- Lines of symmetry (4.G.3)

## Moved from 4<sup>th</sup> Grade:

- Coordinate system (3.01)
- Transformations (3.03)
- Line graphs and bar graphs (4.01)
- Data - median, range, mode, comparing sets data (4.03)
- Probability (4.04)
- Number relationships (5.02, 5.03)

## Note:

Topics may appear to be similar between the CCSS and the 2003 NCSCOS; however, the CCSS may be presented at a higher cognitive demand.