

## Third Grade Math Standards

### Number & Operation(3.1):

- 3.1.1.1 Read & Write whole numbers to 100,000
- 3.1.1.2 Use place value to describe whole numbers between 1,000 and 100,000
- 3.1.1.3a Find 10,000 more or less than a 5 digit number
- 3.1.1.3b Find 1,000 and 100 more and less than a number
- 3.1.1.4a Round numbers to nearest 10,000, 1,000, 100, & 10
- 3.1.1.4b Round up and down to estimate sums and differences
- 3.1.1.5 Compare and order whole numbers to 100,000
- 3.1.2.1 Add & subtract multi-digit numbers using standard algorithms
- 3.1.2.2 Use add. and subtr. to solve real world and mathematical problems using whole numbers.
- 3.1.2.3 Represent mult & division facts using a variety of approaches. (arrays, number lines, equal sharing)
- 3.1.2.4 Solve real-world and mathematical problems using multiplication and division
- 3.1.25 Use strategies and algorithms to multiply a 2 or 3 digit number by a 1 digit number.
- 3.1.3.1 Read & write fractions with words & symbols
- 3.1.3.2 Understand the size of fractional parts relative to the size of the whole.
- 3.1.3.3 Order & compare fractions with denominators. Understand the concept of numerator and denominators.

### Algebra: (3.2)

- 3.2.1.1 Create, describe, and apply single-operation. Input/Output rules involving all operations
- 3.2.2.1 Understand how to interpret number sentences (create real-world problems situations to represent the number sent.)
- 3.2.2.2 Use mult. & div. to represent a number sentence.  
Find values for unknowns.

### Geometry & Measurement (3.3)

- 3.3.1.1 Identify parallel and perpendicular lines in various contexts and use them to describe geometric shapes such as: right triangles, rectangles, parallelograms, & trapezoids.
- 3.3.1.2 Describe polygons with a number of sides or vertices(corners) such as pentagons, hexagons, and octagons using attributes.
- 3.3.2.2 Find perimeter of a polygon by adding the lengths of sides
- 3.3.3.1 a. Tell time to the minute, using digital and analog clocks.  
b. Determine elapsed time to the minute
- 3.3.3.2 Know relationships among time units. Know the number of minutes in an hour, days in a week,& months in a year
- 3.3.3.3 Make change up to one dollar in various ways, including as few coins as possible
- 3.3.3.4 Use analog thermometer to determine temp. to the degree Fahrenheit and Celsius

### Data Analysis (3.4)

- 3.4.1.1 Collect, display, and interpret data using freq.table, bar graphs, picture graphs, and line plot