## Third Nine Weeks

Operations \& Algebraic Thinking, Number \& Operations in Base Ten

## Number \& Operations in Fractions

5.NBT.A.l Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $1 / 10$ of what it represents in the place to its left
5.NBT.A. 2 Understand why multiplying or dividing by a power of 10 shifts the value of the digits of a whole number or decimal
5.NBT.A. 3 Read, write, and compare decimals to thousandths:
5.NBT.A. 4 Apply place value understanding to round decimals to any place
5.NBT.B. 5 Fluently (efficiently, accurately and with some degree of flexibility) multiply multi-digit whole numbers using a standard algorithm
5.NBT.B. 6 Find whole-number quotients of whole numbers with up to fourdigit dividends and two-digit divisors, using strategies based on:

- Place value
- The properties of operations
- Divisibility rules; and
- The relationship between multiplication and division

Illustrate and explain calculations by using equations, rectangular arrays, and area models
5.NBT.B. 7 Perform basic operations on decimals to the hundredths place.
5.OA.A.l Use grouping symbols including parentheses, brackets, or
braces in numerical expressions, and evaluate expressions with these symbols
5.OA.A. 2 Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them

## Fourth Nine Weeks

## Number \& Operations in Fractions/Measurement \& Data

5.NF.A.l Efficiently, accurately, and with some degree of flexibility, add and subtract fractions with unlike denominators (including mixed numbers) using equivalent fractions and common denominators
5.NF.A. 2 Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators
5.NF.B. 3 Interpret a fraction as division of the numerator by the denominator ( $a / b$ $=a \div b$ ), where $a$ and $b$ are natural numbers
5.NF.B. 4 Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction
5.NF.B. 5 Interpret multiplication as scaling (resizing), by:

Comparing the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication
5.NF.B. 6 Solve real world problems involving multiplication of fractions and mixed numbers
5.NF.B.7 Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions
5.MD.A.l Convert among different-sized standard measurement units within the metric system
5.MD.B. 2 Make a line plot to display a data set of measurements in fractions of a unit ( $1 / 2,1 / 4,1 / 8$ )
Use operations on fractions for this grade to solve problems involving information presented in line plots
5.MD.C. 3 Recognize volume as an attribute of solid figures and understand concepts of volume measurement
5.MD.C. 4 Measure volumes by counting unit cubes, using cubic cm , cubic in, cubic ft , and improvised units
5.MD.C. 5 Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume

