

# 5<sup>th</sup> Grade math Essential Standards

## Resource: Bridges

### 1<sup>st</sup> Quarter

5.OA.1 I can form and solve expressions with parentheses, brackets or braces.

5.OA.2 I can write and interpret numerical expressions.

5.MD.3a I can recognize one cubic unit of volume

5.MD.3b I understand that volume is measured using cubic units to completely fill a solid figure.

5.MD.4 I can measure volumes using various units.

5.MD.5a I can find the volume of a right rectangular prism by using models and solving equations.

5.NBT.6 I can divide up to a four-digit dividends by two-digit divisors using various strategies

5.NF.1 I can use equivalent fractions to add and subtract fractions and mixed numbers with unlike denominators.

5.NF.2 I can solve word problems by adding and subtracting fractions with like and unlike denominators and decide if my answers are reasonable.

## **2nd Quarter**

5.NBT.3a I can read and write decimals to the thousandths place using numerals, words, and expanded form.

5.NBT.3b I can use  $>$ ,  $=$ , and  $<$  to compare two decimals to the thousandths place based on values of the digits in each place.

5.NBT.4 I can round decimals to any place.

5.NBT.5 I can multiply multi-digit numbers.

5.NBT.6 I can divide up to four-digit dividends by two-digit divisors using various strategies

5.NBT.7 I can add, subtract, multiply, and divide decimals to the hundredths place, using various strategies.

### **3rd Quarter**

5.OA.3 I can use given rules to generate numerical patterns, form ordered pairs, and graph the ordered pairs on a coordinate plane.

5.NF.3 I can explain that a fraction is the division of the numerator by the denominator.

5.NF.4a I can multiply a fraction by a whole number using various strategies.

5.NF.4b I can use various strategies to find the area of a rectangle with fraction side length and represent the area with a fraction.

5.NF.5b I can use my understanding of multiplication as resizing to explain the results of multiplying numbers by fractions greater than and less than 1.

5.NF.6 I can solve real world problems by multiplying fractions and mixed numbers.

5.NF.7a I can divide a fraction by a whole number.

5.NF.7b I can divide a whole number by a fraction.

5.NF.7c I can solve real world problems by dividing fractions and whole numbers.

5.MD.1 I can convert measurement units within a measurement system.

5.MD.2 I can make a line plot displaying fractions and solve problems using the fractions from the line plot.

5.MD.5b I can use formulas to find the volume of rectangular prisms.

5.MD.5c I can find the volume of solid figures by finding the volumes of rectangular prisms within the figure and adding the volumes together.

5.G.1 I understand a coordinate system and coordinates, and can correctly plot ordered pairs on a grid.

5.G.2 I can graph points in the first quadrant of the coordinate plane. I can use the points to represent real world problems and interpret the values of points according to the data they represent.

5.G.3 I understand that all two-dimensional figures within a category share the same attributes.

#### **4<sup>th</sup> Quarter**

5.NBT.1 I understand the each place value is ten times larger than the place to the right, and  $1/10$  as large as the place to the left.

5.NBT.2 I can explain patterns in the number of zeros in a product when multiplying by a power of 10.

5.NBT.2 I can explain patterns in the placement of the decimal when multiplying or dividing by a power of 10.

5.NBT.2 I can use exponents to show powers of 10.

5.NBT.7 I can add , subtract multiply and divide decimals to the hundredths place, using various strategies.

