



## “I Can” Mascoma Standards 5th Grade Math

### I Can Use Algebra to Help Me Understand Math

- I can use parentheses and brackets in expressions. 5.OA.1
- I can write expressions I hear using mathematic symbols and the order of operations. 5.OA.2
- Use numerical rules and patterns to form ordered pairs and graph the ordered pairs on a coordinate plane. 5.OA.3

Expression

$$\underline{4x} - \underline{7} = \underline{5}$$

Terms

### I Can Use Place Value and Operations to Help Me Understand Math

- I can understand and explain the value of digits. 5.NBT.1



Place value determines the value of a digit based on its location within a number.

Th	H	T	U.	t	h
5	7	6	2	.	01

6 tens

- I can explain patterns when multiplying a number by powers of 10. 5.NBT.2
- I can explain patterns when a decimal is multiplied or divided by a power of 10. 5.NBT.2
- I can read, write, and compare decimals to thousandths.

5.NBT.3

- I can use place value understanding to round decimals to any place. 5.NBT.4

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

- I can divide four-digit dividends by two-digit divisors. 5.NBT.6

- I can illustrate and explain a division problem using equations, arrays and/or models. 5.NBT.6

□ I can add, subtract, multiply, and divide decimals to hundredths. I can use concrete models or drawings to explain the method used. 5.NBT.7

## I Can Use Fractions to Help Me Understand Math

- I can add and subtract fractions with unlike denominators and mixed numbers. 5.NF.1
- I can solve word problems that involve fractions. 5.NF.2

$$\begin{array}{r} \text{Numerator} \\ 3 \\ \hline 4 \end{array} \times \begin{array}{r} 8 \\ \hline 7 \end{array} = \underline{24}$$

Denominator

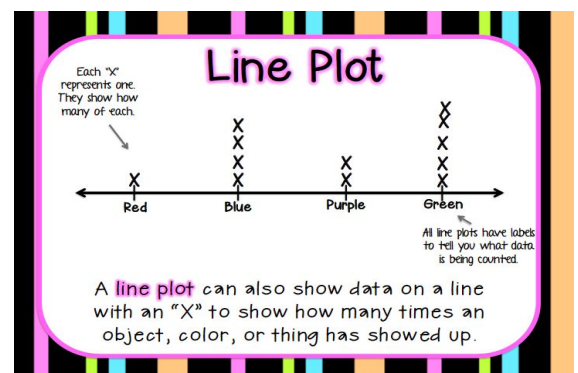
□ I can understand that fractions are really the division of a numerator by the denominator. 5.NF.3

□ I can solve word problems where I divide whole numbers to create an answer that is a mixed number. 5.NF.3

- I can multiply a fraction or whole number by a fraction. 5.NF.4
- I can think of multiplication as the scaling of a number (similar to a scale on a map.) 5.NF.5
- I can solve real world problems by multiplying fractions and mixed numbers. 5.NF.6
- I can divide fractions by whole numbers and whole numbers by fractions. 5.NF.7

## I can use Measurement and Data to Help Me Understand Math

- I can convert measurements within the same measuring system. 5.MD.1
- I can make a line plot to display data sets of measurements in fractions. 5. MD.2



I can use fraction operations to solve problems involving information presented on a line plot. 5.MD.2

I can understand volume. 5.MD.3

I can measure volume by counting unit cubes. 5. MD.4

I can solve real world problems involving volume. 5.MD.5

I can find the volume of an object using the formulas:  $V=l \times w \times h$  and  $V= b \times h$ . 5.MD.5

### I can Use Geometry to Help Me Understand Math

I can understand how to graph ordered pairs on a coordinate plane. 5.G.1

I can graph and interpret points in the first quadrant of a coordinate plane. 5.G.2

I can classify shapes into categories. 5.G.3

I can classify shapes based on properties. 5.G.4

