

# “I Can” Do Math

(Operations & Algebraic Thinking)

*I can understand and write number sentences with one or more numbers and operations.*

## **5.OA.A.1**

I can write and figure out number sentences that have parentheses, brackets, and/or braces.

## **5.OA.A.2**

I can correctly write number sentences using mathematic symbols and the order of operations correctly.

I can understand number sentences and estimate their answers without actually calculating them.

# “I Can” Do Math

(Operations & Algebraic Thinking)

*I can study number patterns  
and figure out their relationships.*

## **5.OA.B.3**

I can create two number patterns  
using two given rules.

I can identify relationships  
between two number patterns.

I can form ordered pairs using the  
relationship between two number patterns  
and graph them on a coordinate plane.

# “I Can” Do Math

(Numbers & Operations in Base Ten)

*I can understand the place value system.*

## **5.NBT.A.1**

I can understand and explain the value of digits in a larger number.

## **5.NBT.A.2**

I can explain patterns of zeroes in an answer when multiplying a number by powers of 10.

I can explain patterns of decimal placement when a decimal is multiplied or divided by a power of 10.

I can use whole-number exponents to show powers of 10.

# “I Can” Do Math

(Numbers & Operations in Base Ten)

## **5.NBT.A.3**

I can read, write, and compare decimals to thousandths.

### **5.NBT.A.3.A**

I can read and write decimals to thousandths using base-ten numbers, number names, and expanded form.

### **5.NBT.A.3.B**

I can compare two decimals to thousandths using the  $>$ ,  $=$ , and  $<$  symbols correctly.

## **5.NBT.A.4**

I can use place value understanding to round decimals to any place.

# “I Can” Do Math

(Numbers & Operations in Base Ten)

*I can solve math equations with larger whole numbers and decimals to the hundredths.*

## **5.NBT.B.5**

I can easily multiply larger whole numbers.

## **5.NBT.B.6**

I can divide four-digit numbers (dividends) by two-digit numbers (divisors).

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

# **“I Can” Do Math**

(Numbers & Operations in Base Ten)

## **5.NBT.B.7**

I can add, subtract, multiply, and divide decimals to hundredths using what I have learned about place value.

I can relate the strategies I use to add, subtract, multiply, and divide decimals to hundredths to a written problem and explain why I chose the strategies to help me solve the problem.

# **“I Can” Do Math**

(Numbers & Operations - Fractions)

*I can use equivalent (equal) fractions as a strategy to add and subtract fractions.*

## **5.NF.A.1**

I can add and subtract fractions with unlike denominators.

## **5.NF.A.2**

I can solve word problems that involve addition and subtraction of fractions.

I can use number sense and fractions that I know to estimate the reasonableness of answers to fraction problems.

# “I Can” Do Math

(Numbers & Operations - Fractions)

*I can use and increase my understanding of multiplication and division.*

## **5.NF.B.3**

I can understand that fractions are really division problems.

I can solve word problems where I need to divide whole numbers leading to answers that are fractions or mixed numbers.

# “I Can” Do Math

(Numbers & Operations - Fractions)

## **5.NF.B.4**

I can use what I know about multiplication to multiply fractions or whole numbers by a fraction.

### **5.NF.B.4.A**

I can understand and show with models that multiplying a fraction by a whole number is the same as finding the product of the numerator and whole number and then dividing it by the denominator.

### **5.NF.B.4.B**

I can use unit squares to find the area of a rectangle with fractional side lengths and prove that it is the same as multiplying the side lengths ( $A = l \times w$ ).

# “I Can” Do Math

(Numbers & Operations - Fractions)

## **5.NF.B.5**

I can think of multiplication as the scaling of a number (similar to a scale on a map.)

### **5.NF.B.5.A**

I can mentally compare the size of a product to the size of one of the factors by thinking about the other factor in the problem.

### **5.NF.B.5.B**

I can explain why multiplying a number by a fraction greater than 1 will result in a bigger number than the number I started with.

I can explain why multiplying a number by a fraction less than 1 will result in a smaller number than the number I started with.

I can relate the notion of equivalent fractions to the effect of multiplying a fraction by 1.

# **“I Can” Do Math**

(Numbers & Operations - Fractions)

## **5.NF.B.6**

I can solve real world problems that involve multiplication of fractions and mixed numbers.

## **5.NF.B.7**

I can use what I know about division to divide fractions by whole numbers or whole numbers by fractions.

### **5.NF.B.7.A**

I can divide a fraction by a whole number (not 0) correctly.

### **5.NF.B.7.B**

I can divide a whole number by a fraction correctly.

### **5.NF.B.7.C**

I can use what I know about division problems involving fractions to solve real world problems.

# “I Can” Do Math

(Measurement & Data)

*I can convert like measurement units within a given measurement system.*

## **5.MD.A.1**

I can convert different-sized measurements within the same measurement system.

I can use measurement conversions to solve real-world problems.

# “I Can” Do Math

(Measurement & Data)

*I can represent and interpret data.*

## **5.MD.B.2**

I can make a line plot to show a data set of measurements involving fractions.

I can use addition, subtraction, multiplication, and division of fractions to solve problems involving information presented on a line plot.

# **“I Can” Do Math**

(Measurement & Data)

*I can understand the concept of measurement in geometry with regard to volume.*

## **5.MD.C.3**

I can recognize volume as a characteristic of solid figures and understand how it can be measured.

### **5.MD.C.3.A**

I can understand a "unit cube" as a cube with side lengths of 1 unit and can use it to measure volume.

### **5.MD.C.3.B**

I can understand that a solid figure filled with a number of unit cubes is said to have a volume of that many cubes.

# “I Can” Do Math

(Measurement & Data)

## **5.MD.C.4**

I can measure volume  
by counting unit cubes.

## **5.MD.C.5**

I can solve real world problems involving  
volume by thinking about multiplication  
of addition.

## **5.MD.C.5.A**

I can use unit cubes to find the volume of a  
right rectangular prism with whole number  
side lengths and prove that it is the same  
as multiplying the edge lengths  
( $V = l \times w \times h$ ).

# “I Can” Do Math

(Measurement & Data)

## **5.MD.C.5.B**

I can solve real-world and mathematical problems involving volume of an object using the formulas

$$V = l \times w \times h \text{ and } V = b \times h.$$

I can find the volumes of solid figures made up of two right rectangular prisms by adding the volumes of both.

## **5.MD.C.5.C**

I can solve real-world problems using what I know about adding the volumes of two right rectangular prisms.

# “I Can” Do Math

(Geometry)

*I can graph points on the coordinate plane to solve real-world and mathematical problems.*

## **5.G.A.1**

I can understand a coordinate plane and ordered pairs of number coordinates on that plane.

I can graph ordered pairs of numbers on a coordinate plane using what I have learned about the x-axis and coordinate and the y-axis and coordinate.

## **5.G.A.2**

I can represent real-world and mathematical problems by graphing points in the first quadrant of a coordinate plane.

I can understand coordinate values in the context of a real-world or mathematical problem.

# I Can" Do Math

(Geometry)

*I can classify 2-dimensional shapes into categories based on their properties.*

## **5.G.B.3**

I can understand how attributes of 2-dimensional shapes in a category also belong to all subcategories of those shapes.

## **5.G.B.4**

I can classify 2-dimensional shapes based on their properties.