

# I CAN DO STANDARDS!

## Third Grade Mathematics



### Number Sense

- 1.1 I can count, read, and write whole numbers to 10,000.
- 1.2 I can compare and order numbers to 10,000.
- 1.3 I can identify place value for each digit to 10,000.
- 1.4 I can round off numbers to 10,000 to the nearest ten, hundred and thousand.
- 1.5 I can use expanded notation to represent numbers.
- 2.1 I can add and subtract whole numbers 0 through 10,000.
- 2.2 I have memorized the multiplication tables from 1 to 10.
- 2.3 I know that multiplication and division are opposites and I use this to solve problems and check answers.
- 2.4 I can multiply a multi-digit number by a 1-digit number.
- 2.5 I can divide a multi-digit number by a 1-digit number.
- 2.6 I understand the meaning of 0 (zero) and 1 in both multiplication and division.
- 2.7 I can solve money word problems where I need to figure out how much one item costs when I know the total amount paid and how many items were bought.
- 2.8 I can solve problems that require two or more of the skills written above.
- 3.1 I can compare fractions shown by drawing or concrete materials to show equivalency and to add and subtract simple fractions.
- 3.2 I can add and subtract fractions with common denominators.
- 3.3 I can solve money word problems involving addition, subtraction, multiplication, and division using decimals.
- 3.4 I can explain the connection between whole numbers, fractions and decimals, like 50 cents is  $\frac{1}{2}$  of \$1.00 and 75 cents is  $\frac{3}{4}$  of \$1.00.

### Algebra and Functions

- 1.1 I can write math expressions and equations using symbols to show how numbers relate to each other.
- 1.2 I can solve problems with number equations or inequalities.
- 1.3 I can use correct symbols to show operations and to compare numbers.
- 1.4 I can change units of measurement.
- 1.5 I know and can use the commutative and associative properties of multiplication.
- 2.1 I can solve problems involving a relationship between 2 things.
- 2.2 I can recognize and continue a pattern to solve a problem.

### Measurement and Geometry

- 1.1 I can estimate and accurately measure the length, liquid volume, and weight of objects. I can choose which measurement tools and units I need to use.
- 1.2 I can use squares or cubes to figure out the area and volume of solid figures.
- 1.3 I can find the perimeter of a polygon.
- 1.4 I can calculate measurement answers in more than one way, changing inches to feet, centimeters to meters, minutes to hours, weeks to months, and so on.
- 2.1 I can identify, describe, and classify polygons.
- 2.2 I can name and describe different kinds of triangles.
- 2.3 I can name and describe different kinds of quadrilaterals.
- 2.4 I can identify right angles and explain whether any angle is greater or less than 90 degrees.

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- 2.5 I can identify, describe and classify common 3-dimensional geometric objects, and the shapes that can be seen in more complex solid objects.

## **Data Analysis and Patterns of Information**

- 1.1 I can tell whether something is certain, likely, unlikely, or improbable.
- 1.2 I can record the possible outcomes for a simple repeated event.
- 1.3 I can make a bar graph or line plot to show results of a probability experiment.
- 1.4 I can make good predictions as a result of a probability experiment.

## **Mathematical Reasoning**

- 1.1 I can identify when a word problem doesn't have enough information to solve it, or has unimportant information. I can also explain which information in the word problem is the most important.
- 1.2 I can decide when and how to break a problem into simpler parts.
- 2.1 I can use estimation to prove if an answer is reasonable.
- 2.2 I can use strategies from simple problems to help solve more difficult problems.
- 2.3 I can communicate my math thinking in different ways, using models, diagrams, tables, charts, graphs, symbols, numbers, and words.
- 2.4 I can clearly explain and justify my solutions using mathematical vocabulary and symbols, both written and oral.
- 2.5 I know when an exact answer is needed and when it is better to estimate.
- 2.6 I can calculate accurately and check the accuracy of my answer using the information from the original problem.
- 3.1 I can check if my problem solution makes any sense.
- 3.2 I can tell how I came up with my answer and explain how I can solve similar problems.
- 3.3 I can develop generalizations of the results obtained and apply them in other circumstances.