



Eastern Greene Elementary

3rd Grade

“I Can” Math Statements

Number Sense

- I can read and write numbers up to 10,000. (Standard Form, Expanded Form, in Words, and Models – pictures and blocks/cubes)
- I can compare two numbers up to 10,000. ($>$, $<$, and $=$)
- I can write fractions that are equivalent to each other ($\frac{2}{3} = \frac{4}{6}$).
- I can show fractions using objects and pictures.
- I can show equivalent fractions and simplify fractions. $\frac{1}{4} = \frac{25}{100}$, $\frac{4}{16} = \frac{1}{4}$
- I can compare two fractions with the same numerator or the same denominator by reasoning about their size based on the same whole. Record the results of comparisons with the symbols $>$, $<$, $=$ and justify the conclusions (e.g., by using a visual fraction model).
- I can round and use place value to 10,000.

Computation

- I can fluently add and subtract multiple digit numbers, including across zeros.
- I can represent multiplication of whole numbers using equal-sized groups, arrays, area models, and equal “jumps” on a number line.
- I can represent division of whole numbers with partitioning, sharing and as the inverse of multiplication.
- I can multiply and divide within 100 using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$, one knows $40 \div 5 = 8$), or properties of operations.
- I can use the commutative, associative, and distributive properties of multiplication.

Algebraic Thinking

- I can solve problems using drawings and symbols within 1,000.
- I can explain the relationship between addition and multiplication, subtraction and division, and multiplication and division within 100.
- I can determine the unknown whole number in a multiplication or division equation relating three whole numbers.
- I can solve 2-step, real-world problems using the four operations of addition, subtraction, multiplication and division.
- I can create, extend and give an appropriate rule for number patterns using multiplication within 100.

Geometry

- I can identify, describe, and draw a cube, sphere, prism, pyramid, cone and cylinder.
- I can show my understanding that shapes may share attributes and that the shared attributes can define a larger category.
- I can recognize and draw rhombuses, rectangles, and squares as examples of quadrilaterals AND recognize/draw other quadrilaterals that do not belong to those subcategories.
- I can identify, describe and draw points, lines and line segments and use these terms to describe 2-dimensional shapes.
- I can split shapes into parts with equal areas and show the area of each part as a unit fraction of the whole ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{8}$).

Measurement

- I can choose the correct unit of measurement in length, weight, and time.
- I can estimate and measure length to the nearest quarter-inch, weight in pounds, and temperature in degrees Celsius and Fahrenheit.
- I can estimate and measure mass of objects in grams and kilograms
- I can estimate and measure the volume of objects in quarts, gallons and liters.
- I can add, subtract, multiply or divide to solve 1-step, real-world problems involving masses or volumes that are given in the same units.
- I can tell and write time to the nearest minute from analog clocks.
- I can measure time in intervals of minutes (elapsed time)

- I can find the value of any collection of coins/bills and know how to write them appropriately.
- I can find the perimeter and area of shapes; I can find the length of a missing side when given the perimeter/area of a shape.

Data Analysis

- I can create tables and graphs using data (sure to include scales with units to the nearest whole, half or quarter unit).
- I can create questions and answer questions about graphed data.
- I can make a line plot to show data.