

Catoosa County Public Schools

Teaching and Learning Standards

Every Child, Every Day, Without Exception



District Essential Standards and Learning Targets

1.1 Explain that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left (including decimals to the thousandths place).

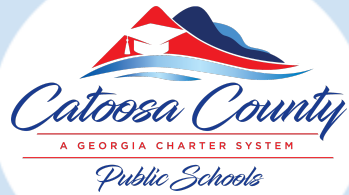
- I can identify the place and values of given digits.
- I can explain that when I move to the left of a digit, the value of the digit is ten times greater.
- I can explain that when I move to the right of a digit, the value of the digit is divided by 10, or 1/10 the size.
- I can compare the values of digits that are 2 and 3 places apart.

2.1. Fluently multiply multi-digit (up to 3- digit by 2-digit) whole numbers to solve authentic problems.

- I can multiply multi-digit numbers by a single-digit whole number using a strategy of my choice.
- I can multiply a 2-digit number by a 2-digit number using a strategy of my choice.
- I can multiply a 3-digit number by a 2-digit number using a strategy of my choice.
- I can solve real-world problems by multiplying multi-digit whole numbers.

2.2 Fluently divide multi-digit whole numbers (up to 4-digit dividends and 2-digit divisors no greater than 25) to solve practical problems.

- I can divide up to 4-digit dividends by 1-digit divisors using a strategy of my choice.
- I can divide up to 4-digit dividends by 2-digit divisors using a strategy of my choice.
- I can solve meaningful word problems using division and interpret remainders when needed.



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3.3 Model and solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators.

- I can represent a mixed number using models and/or manipulatives.
- I can create equivalent fractions in order to find a common denominator.
- I can add fractions and mixed numbers with unlike denominators.
- I can subtract fractions and mixed numbers with unlike denominators.
- I can interpret my answer as a mixed number or improper fraction.

3.4 Model and solve problems involving multiplication of a fraction and a whole number.

- I can solve problems involving multiplication of a fraction and a whole number using models.

4.2 Represent, compare and order decimal numbers to the thousandths place based on the meanings of the digits in each place, using $>$, $=$, $<$ symbols to record the results of comparisons.

- I can represent place values of decimals to the thousandths place.
- I can compare decimals to the thousandths place using $<$, $>$, $=$.
- I can order decimals to the thousandths place.

4.4 Solve problems involving addition and subtraction of decimal numbers to the hundredths place using a variety of strategies.

- I can add decimals up to the hundredths place.
- I can subtract decimals up to the hundredths place.
- I can solve real-life addition and subtraction problems using multiple strategies.

8.4 Discover and explain how the volume of a rectangular prism can be found by multiplying the area of the base times the height to solve authentic, mathematical problems.

- I can solve real-life problems using the volume formula (length x width x height).
- I can use the area formula to solve a volume problem (base x height).
- I can solve real-life problems relating to volume using multiplication and/or addition.