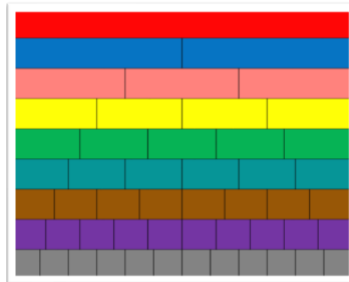




4th Grade Unit 4: Investigating Fractions and Decimals



Overview:

In this unit, students will be expected to explore the relationship between fractions and decimals to solve real-life, mathematical problems. It is important for students to reason mathematically and understand the quantities when engaging in computation with fractions. Time will be spent helping students develop a conceptual understanding of fractions and build solid fractional reasoning to support a rich understanding for future topics. In this unit, students will be building on partitioning to compare fractions less than 1, add and subtract fractions with like denominators, measure to the nearest $\frac{1}{8}$ of an inch, and read, write, represent, and compare decimal fractions.

Learning Targets:

In Unit 4, students will:

- work with unit fractions, understanding that all fractions can be composed from and decomposed into unit fractions.
- explore the addition and subtraction of fractions and mixed numbers with like denominators as well as fractions with a denominator of 10 to a fraction with a denominator of 100.
- recognize that fractions with denominators of 10 and 100 can be written as decimal fractions.
- order and compare decimal fractions to the hundredth.

Key Vocabulary: (linked to GA DOE Interactive Glossary)

Common Fraction	Denominator	Decimal	Equivalent Fractions	Hundredth
Equivalent Fractions	Hundredths	Equivalent Sets	Numerator	Tenth
Term	Unit Fraction	Whole		

Supporting Resources:

<http://ctlslearn.cobbk12.org/>

<https://gavirtual.instructure.com/courses/34725#modules>

[Decomposing Fractions](#)

[Equivalent Fractions on a Number Line](#)

[Decomposing/Adding Fractions](#)

[Relating Tenths and Hundredths](#)

[Decimal and Fraction Equivalents Game](#)

[Fractions & Decimals - GeoGebra](#)