



5th Grade Unit 6:

Extending Place Value and Working with Decimals to Solve Problems



Overview:

In this unit, students extend their understanding of the place value of numbers to include decimals through the thousandths place. Then, students use their understanding of place value to locate, compare, and order decimals to the thousandths place. Students will use place-value reasoning to round decimals to the tenths and hundredths places. Lastly, students will extend their understanding of whole number operations work to add and subtract decimals utilizing familiar representations, strategies based on place value and properties of operations.

Learning Targets:

In Unit 6, students will:

- Read and write decimal numbers to the thousandths place using base ten numerals written in standard form and expanded form.
- Represent, compare, and order decimal numbers to the thousandths place based on the meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.
- Use place value understanding to round decimal numbers to the hundredths place
- Solve problems involving addition and subtraction of decimal numbers to the hundredths place using a variety of strategies.

Key Vocabulary:

decimal
decimal fraction
decimal number
decimal point
digit
estimate
fluency
hundredth

part-whole strategy
place value
round
strategic thinking
strategy
tenth
thousandth

Supporting Resources:

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

<https://gavirtual.instructure.com/courses/34730#modules>

[Decimal Chart – Math Playground](#)

[Place Value of Decimals – Study Jams](#)

[Adding and Subtracting Decimals - GeoGebra](#)

[Add and Subtract Decimals – Study Jams](#)

