Unit 1b-Use Models and Strategies to Add and Subtract Decimals

Content Area: **Math**
Course(s): **Math 5**
Time Period: **Marking Period 1**
Length: **MP1 Topic 2 2-1 to 2-6**
Status: **Published**

Essential Questions

- How can sums and differences of decimals be estimated?
- What are some common procedures for adding and subtracting decimals?
- How can sums and differences be found mentally?

Big Ideas

- **Estimation:** Students will learn to estimate decimal sums and differences. They will use this skill to see if their exact answers are reasonable.
- **Decimal Addition:** Students will apply the properties of addition to decimals. As they learn mental math strategies, students will develop an understanding of how the properties of addition allow them to break numbers apart and rearrange the parts to facilitate addition. This understanding will be used to find sums with models, to add partial sums, and other place-value strategies.
- **Decimal Subtraction:** Students will use models and breaking apart to subtract. They will also use a number line and partial differences.

Enduring Understandings

Number and Operations in Base Ten

5.NBT.A.4 Use place value understanding to round decimals to any place.

5.NBT.B.7 [M] Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Mathematical Practices Focus

4. Model with mathematics.