Unit 2c-Use Models And Strategies To Divide Decimals

Content Area: **Math**
Course(s): **Math 5**
Time Period: **Marking Period 2**
Length: **MP2 Topic 6 6-1 to 6-6**
Status: **Published**

Essential Questions

- What are some common procedures for estimating and finding quotients involving decimals?

Big Ideas

- **Number Sense:** Students will learn to divide decimals by powers of ten and estimate the quotient of a decimal divided by a 2-digit whole number. These skills help them develop number sense about the magnitude of decimal quotients. As students develop strategies for dividing decimals, they use their number sense to make sure the size of the quotient makes sense.
- **Divide Whole Numbers:** Students will learn different approaches to dividing decimals that are closely related. Whenever the quotient has more than one nonzero digit, the computation involves breaking apart the dividend and using the Distributive Property.

Enduring Understandings

Number and Operations in Base Ten

5.NBT.A.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

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

2. Reason abstractly and quantitatively.