MP3e-Understand And Compare Decimals

Content Area: **Math**
Course(s): **Math 4 Resource Room**
Time Period: **Marking Period 3**
Length: **MP3 Topic 12 12-1 to 12-6**
Status: **Published**

Essential Questions

- How can you write a fraction as a decimal?
- How can you locate points on a number line?
- How do you compare decimals?

Big Ideas

- **Fractions and Decimals:** Students will connect fractions and decimals and realize that decimals are another representation for fractions.
- **Compare Decimals:** Students develop conceptual and procedural ways to compare decimals to the hundredths.
- **Money and Decimals:** The connection between money and decimals is established.
- **Solve Word Problems:** Students apply their understanding of decimals to solve problems that involve money.

CSDT Technology Integration

8.1.5.A.1 Select and use the appropriate digital tools and resources to accomplish a variety of tasks including solving problems.

Activity:
Students will apply knowledge of skills taught in class during the mini lesson to an online assessment made by the teacher.

Essential Questions

Number and Operations—Fractions

4.NF.C.5[M] Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100.

4.NF.C.6[M] Use decimal notation for fractions with denominators 10 or 100.

4.NF.C.7[M] Compare two decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when the two decimals refer to the same whole. Record the results of comparisons with the symbols >, =, or <, and justify the conclusions, e.g., by using a visual model.

Measurement and Data

4.MD.A.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

Mathematical Practices Focus

7. Look for and make use of structure.