

Fifth Grade Demo Lesson Plan October 15, 2014

<p>Unit Title: Multi-Digit Operations with Whole Numbers and Decimal Fractions</p> <p>Lesson: Envision Topic 2: Adding and Subtracting Decimals. 2-4 Modeling Addition and Subtract of Decimals.</p>	<p>Approx. time: 30</p>	<p>CCSS–M Standards: 5. NBT. 7 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.</p>
<p>A. Focus and Coherence</p> <p>Students will know: Models and algorithms for adding or subtracting multi-digit decimals are just an extension of models and algorithms fro adding and subtracting whole numbers.</p> <p>Students will be able to: add and subtract decimals in tenths and hundredths using models.</p> <p>Student prior knowledge:</p> <ul style="list-style-type: none"> • Addition and subtraction of whole numbers. • Commutative Property of Addition • There is no Commutative Property of Subtraction. • <p>Which math concepts will this lesson lead to? Addition and Subtraction of decimals.</p> <p>Guiding Questions(s): See below</p>		<p>B. Evidence of Math Practices</p> <p>Construct viable arguments and critique the reasoning of others</p> <p>Model with mathematics.</p> <p>Use appropriate tools strategically.</p> <p>Look for and make use of structure.</p> <p>Look for and express regularity in repeated reasoning.</p>
<p>Formative Assessments Results: Quick Check Master 4 questions</p>		
<p>Anticipated Student Preconceptions/Misconceptions: Some students had difficulty solving the problems by any method. Some students had difficulty writing an explanation of problem 4 even though they demonstrated the ability to solve the problem. A few students demonstrated mastery of the standard and are ready for a greater challenge.</p>		
<p>Materials/Resources Intervention, On-Level, and Advanced Center Activities ELL sentence frame support</p>		
<p>C. Rigor: Conceptual Understanding, Procedural Skill and Fluency, and Application</p> <p><u>Warm-up</u> -No warm-up today</p> <p><u>Lesson:</u></p> <p>Set the Purpose/Connect: To reinforce and enrich students ability to solve addition and subtraction of decimals problems we will be working in groups today based on the Quick Check results from the previous day.</p> <p>Differentiated Instruction: Based on the number card that you were given when you entered the class, follow these instructions:</p> <ul style="list-style-type: none"> • Students with the numbers 27 (on-level) and 28 (ELL intervention) assemble into groups of 4 and follow directions on the Center Activity given. • Students with number 26 (advanced level) form a group and follow directions on the Center Activity given. • Students with number 25 (math intervention) come to the table to complete the Center Activity given. <p>Closure: How do you add and subtract decimals in tenths and hundredths using grids?</p>		