Lesson 4.4 (Continued) – Dividing decimals

**Standard:** *Number Sense 2.1*– Solve problems involving addition, subtraction, multiplication, and division of positive fractions and explain why a particular operation was used for a given situation.

**Content Objective (Know):** I will know how to divide decimals.

**Language Objective (Do):** I will write on my white board then orally describe the steps to divide decimals to my shoulder partner and in mix-pair share.

**Review:**

1.) 8.41 x 2.6 **2.)** 5.78 x 2.63

**Example 1: Divide decimals by *WHOLE NUMBERS***

**15.95 25**

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| **Step 1**: Place first number in the box  **Step 2**: Place second number outside the box.  **Step 3**: Move decimal up into the solution (answer)  **Step 4**: Divide 25 into 1595  **Step 5**: Continue to add zeros until 25 goes in evenly or the number repeats. |

**Example 2: Divide decimals by *WHOLE NUMBERS***

**9 7.2**

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| **Step 1**: Place first number in the box  **Step 2**: Place second number outside the box.  **Step 3**: Move decimal up into the solution (answer)  **Step 4**: Divide 6 into 0.245  **Step 5**: Continue to add zeros until 6 goes in evenly or the number repeats. |

**1.)** 3.65 8 **2.)** 3.45 15 **3.)** 1.4

**Example 3: Divide decimals by *DECIMALS***

**8.75 12.5**

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| **Step 1**: Place first number in the box  **Step 2**: Place second number outside the box.  **Step 3**: Move decimal points to the right together until the divisor (number outside the box) is a whole number.  **Step4**: Move decimal up into the solution (answer)  **Step 4**: Divide 125 into 875  **Step 5**: Continue to add zeros until 125 goes in evenly or the number repeats. |

**Example 4: Divide decimals by *WHOLE NUMBERS***

**9.97 2.9**

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| **Step 1**: Place first number in the box  **Step 2**: Place second number outside the box.  **Step 3**: Move decimal points to the right together until the divisor (number outside the box) is a whole number.  **Step4**: Move decimal up into the solution (answer)  **Step 4**: Divide 29 into 997  **Step 5**: Continue to add zeros until 29 goes in evenly or the number repeats. |

**Whiteboard – CFU**

**1.)** 75.4 5.2 **2.)** 0.3445 6.5 **3.)** 18.01 3.28