**ML#4: Conversion between Decimals and Fractions (Math 7 Plus)**

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| **Convert fractions to decimals**  this line means “divided by”  1  8  Convert to a decimal.  So ---- To convert to a decimal, we think “1 divided by 8” and then divide.    8 ) 1.000  EX 1: EX 2: 4 EX 3: |
| **Convert Decimals to Fractions**  Convert 1.15 to a fraction.   * Use the place value of the last digit as the denominator of the new fraction; or Read the decimal number out loud: “fifteen hundredths.” To hear the place value * Then write the value to the right of the decimal as the numerator: * The number to the left of the decimal is the whole number 1 * Simplify: 1   Ex 1: 0.36 Ex 2: 4.25 |
| **Compare Fractions and Decimals**   * **Put all values in the same form (as all Fractions or as all decimals)**   **EX 1: 0.45, , 1.04, ,** |

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| **Practice ML #4 – Conversion between Fractions and Decimals**  Convert each fraction to a decimal using division.  1) = \_\_\_\_\_\_\_ 2) = \_\_\_\_\_\_\_  3) = \_\_\_\_\_\_\_ 4) = \_\_\_\_\_\_\_  5) = \_\_\_\_\_\_\_\_\_ 6) = \_\_\_\_\_\_ |
| Convert each fraction to a decimal using division.  1) = \_\_\_\_\_\_\_ 2) = \_\_\_\_\_\_\_  3) = \_\_\_\_\_\_\_ 4) = \_\_\_\_\_\_\_  5) = \_\_\_\_\_\_\_ 6) = \_\_\_\_\_\_\_ |
| Convert each decimal to a fraction (in simplest terms).  1) 0.75 2) 0.6  3) 0.045 4) 0.85  5) 1.5 6) 2.75 |
| **Put the following sets of numbers in order from least to greatest.**  1) 0.345, 0.23, 1.2, 0.2222  2) 1 ,  3) 0.87, 2, 2.78, |