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

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| **Convert fractions to decimals**this line means “divided by” 18Convert $\frac{1}{8}$ to a decimal.So ---- To convert $\frac{1}{8}$ to a decimal, we think “1 divided by 8” and then divide.  8 ) 1.000EX 1: $\frac{5}{16}$ EX 2: 4$\frac{5}{8}$ EX 3: $\frac{5}{6}$ |
| **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 $\frac{}{100}$
* Then write the value to the right of the decimal as the numerator: $\frac{15}{100}$
* The number to the left of the decimal is the whole number 1$\frac{15}{100}$
* Simplify: 1$\frac{15}{100}= 1\frac{3}{20}$

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,** $\frac{2}{5}$**, 1.04,** $\frac{1}{10}$**,** $ \frac{5}{8}$ |

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| **Practice ML #4 – Conversion between Fractions and Decimals**Convert each fraction to a decimal using division.1) $\frac{3}{4}$ = \_\_\_\_\_\_\_ 2) $\frac{4}{5}$ = \_\_\_\_\_\_\_3) $\frac{3}{8}$ = \_\_\_\_\_\_\_ 4) $\frac{2}{5}$ = \_\_\_\_\_\_\_5) $2\frac{1}{4}$ = \_\_\_\_\_\_\_\_\_ 6) $1\frac{3}{5}$ = \_\_\_\_\_\_ |
| Convert each fraction to a decimal using division.1) $\frac{1}{3}$ = \_\_\_\_\_\_\_ 2) $\frac{2}{3}$ = \_\_\_\_\_\_\_3) $\frac{1}{9}$ = \_\_\_\_\_\_\_ 4) $\frac{4}{9}$ = \_\_\_\_\_\_\_5) $\frac{3}{11}$ = \_\_\_\_\_\_\_ 6) $\frac{1}{6}$ = \_\_\_\_\_\_\_ |
| Convert each decimal to a fraction (in simplest terms).1) 0.75 2) 0.63) 0.045 4) 0.855) 1.5 6) 2.75 |
| **Put the following sets of numbers in order from least to greatest.**1) 0.345, 0.23, 1.2, 0.22222) 1$\frac{1}{2}$ , $\frac{7}{2}, \frac{2}{3 }, \frac{5}{6}$3) 0.87, 2$\frac{3}{4}$, 2.78, $\frac{2}{5}$ |