

Lesson 5-6 : Fractions, decimals and percents

SWBAT: Convert fractions, decimals and percents into all 3 forms.

**Percent to Fraction:**

- Simply put the percent number on top of \_\_\_\_\_. Simplify if you can!

Ex:  $36\% = \frac{36}{100} = \frac{9}{25}$  ,  $55\% =$  ,  $62\% =$

**Percent to Decimal:**

- Remember that all fractions are division! When you put the percent over 100, that means that you will be dividing it by 100.
- Or you can just move the decimal \_\_\_\_\_!

Ex:  $36\% = \frac{36}{100} = 36 \div 100 = 0.36$  ,  $25\% =$  ,  $4\% =$

**Decimal to Fraction:**

- Put the decimal number over the \_\_\_\_\_ it ends in and simplify
- The decimal number and the fraction should read as the same thing.

Ex:  $0.07 = \frac{7}{100}$  ,  $0.64 =$  ,  $0.4 =$  ,  $2.7 =$

**Decimal to Percent:**

- You just have to move the decimal point \_\_\_\_\_ to the right!

Ex:  $0.52 = 52\%$  ,  $.24 =$  ,  $0.01 =$  ,  $0.6 =$

**Fraction to Percent:**

- You need to write the fraction next to the ratio of \_\_\_\_\_. Remember, this is our percent ratio.
- \_\_\_\_\_ or use equivalent ratios to solve for x.

Ex:  $\frac{6}{25} = \frac{x}{100} = 24\%$  ,  $\frac{3}{8} = \frac{x}{100} =$  ,  $\frac{4}{15} =$

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**Fraction to Decimal:**

- Like we have done before, you just \_\_\_\_\_ the numerator by the denominator.

Ex:  $\frac{6}{10} =$

$\frac{5}{8} =$

$\frac{12}{15} =$

**Fractions / Decimals / Percents:**

- Convert each number into the other 2 forms.
- Remember to simplify your fractions!

a. 88%

b. 0.08

c.  $\frac{3}{8}$

d. 0.9

List these numbers in order from least to greatest

a. 46% ,  $\frac{1}{2}$  , 0.53 , 5%

b.  $\frac{17}{20}$  , 95% , 0.9 ,  $\frac{22}{25}$