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| **MODULE:** 8 | **LESSON:** 1 & 2 | UNDERSTANDING PERCENT / PERCENTS, FRACTIONS, & DECIMALS |

***HOW TO CONVERT A PERCENT TO A FRACTION:***

***28%***

Step 1: *Write the percent as a fraction with a denominator of 100.*

*28% =* $\frac{28}{100}$

Step 2: Simplify.

$\frac{28}{100}= \frac{7}{25}$ , therefore 28% = $\frac{7}{25}$

***HOW TO CONVERT A PERCENT TO A DECIMAL:***

Step 1: *Move the decimal point* ***two places to the left*** *and drop the % symbol. (HINT: If there is no decimal, there is an imaginary one at the end of the number)*

*32% = 0.32*

*4% = 0.04*

*87.5% = 0.875*

*213% = 2.13*

***HOW TO CONVERT A DECIMAL TO A PERCENT:***

Step 1: Move the decimal 2 places to the right and add a % symbol.

0.7 = 70%

0.02 = 2%

1.45 = 145%

***HOW TO CONVERT A FRACTION TO A PERCENT:***

$$\frac{5}{8}$$

Step 1: Turn the fraction into a decimal (“Bottoms out”).

5 ÷ 8 = 0.625

Step 2: Turn the decimal into a percent (move decimal 2 places to the right)

0.625 = 62.5%