Name: ____

Mrs. Doolan/Math6

10-10 Converting Decimals, Percents and Fractions



Objective: You've learned what a percent is and how to solve for a percent of a number. Now it is time to learn to convert decimals \leftrightarrow percents \leftrightarrow fractions. Today we'll learn how to convert decimals and percents to each other and to fractions in simplest form.

Converting a decimal to a percent:

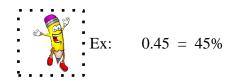




Step 1: Multiply your *hundredths* decimal value by 100 to convert into a percent and

Step #2: Attach a percent symbol.

(This is the same thing as moving the decimal point two place to the right (signifies multiplying by 100) to convert your decimal value into a percent and then attaching the percent symbol.)



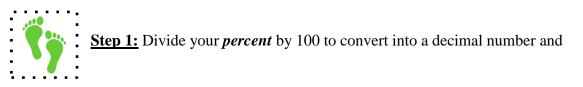
Ex: 0.07

Ex: 0.9

Ex: 0.38

Per_

Converting a percent to a decimal:



Step #2: Drop the percent symbol.

(This is the same thing as moving the decimal point two place to the left (signifies dividing by 100) to convert your percent value into a decimal and then dropping the percent symbol.)





Ex: 28% =

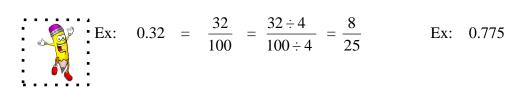
Converting a decimal to a fraction:



<u>Step #1:</u> Rewrite the digits of the decimal as the numerator.

Step #2: Write the denominator equal to the place value of the decimal number.

<u>Step #3:</u> Be sure to simplify if possible.



Ex: 0.62

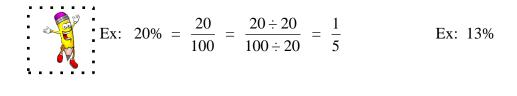
Ex: 2.35

Converting a percent to a fraction:

<u>Step #1:</u> Rewrite the digits of the percent as the numerator.

Step #2: Write the denominator as 100.

<u>Step #3:</u> Be sure to simplify if possible.



Ex: 125%