Name: _____ Per _____

Mrs. Doolan/Math6

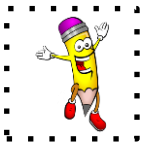
10-10 Converting Fractions to Decimals and Percents Day 2

Objective: You've learned how to convert decimals and percents into each other and into fractions. Today we'll learn how to convert fractions into decimals and percents.

If the fraction has a denominator of 100:

Step #1: Write the numerator, moving the decimal point two places to the left or write the numerator and attach the percentage symbol.

STEP #2: Do not write the denominator.



Ex: $\frac{47}{100}$ = .47 and 47%

Ex: $\frac{18}{100}$ = .18 and 18%

Ex: $\frac{65}{100}$ =

Ex: $2\frac{75}{100}$ =

If the fraction does not have a denominator of 100 BUT it can be converted into a fraction with a denominator of 100:

Step #1: **Convert the fraction to an equivalent fraction with a denominator of 100**

Step #2: **Write the new numerator, moving the decimal point two places to the left or write the numerator and attach the percentage symbol.**

STEP #3: **Do not write the denominator.**

Ex: $\frac{3}{5} = \frac{60}{100} = .60$ and 60%

Ex: $2\frac{1}{4} = 2\frac{25}{100} = 2.25$ and 225%

Ex: $\frac{1}{2} =$

Ex: $\frac{38}{200} =$

<u>If the fraction cannot be converted to one with a denominator of 100:</u>

<u>Step #1:</u> Divide the numerator by the denominator. If the division problem has not terminated by the thousands' place, stop dividing and round back to the hundredth's place.

<u>Step #2:</u> Write the rounded hundredths number. Move the decimal point two places to the left or write the number and attach the percentage symbol.

Ex: $\frac{1}{6}$ =