

2/16/10

Objective:

TSWBAT write percents as decimals and fractions and fractions as decimals and percents.

Feb 16-7:19 AM

vocabulary

percent: a ratio that compares a number to 100.

Feb 16-7:24 AM

Percents to Decimals

36%

5%

1. Put percent over 100.

$$\frac{36}{100}$$

$$\frac{5}{100}$$

2. Divide

$$\begin{array}{r} 100 \overline{) 36.00} \\ -300 \downarrow \\ \hline 600 \end{array}$$

$$36 = .36$$

$$\begin{array}{r} 100 \overline{) 5.00} \\ -500 \downarrow \\ \hline 0 \end{array}$$

$$5 = .05$$

Feb 16-8:04 AM

Percents as Fractions

36%

5%

1. put the percent over 100

$$\frac{36}{100}$$

$$\frac{5}{100}$$

2. reduce

$$\frac{36}{100} = \frac{9}{25}$$

$$\frac{5}{100} = \frac{1}{20}$$

Feb 16-8:08 AM

Decimals to Percents

0.43

0.07

1. move the decimal point over two places to the right and write a percent sign after it.

$$.43 = 43\%$$

$$.07 = 7\%$$

Feb 16-8:53 AM

Fractions to Percents

$\frac{6}{25}$

$\frac{6}{15}$

$$\frac{6}{25} \stackrel{\times 4}{=} \frac{24}{100} = 24\%$$

$$\frac{6}{15} \stackrel{\div 3}{=} \frac{2}{5} \stackrel{\times 20}{=} \frac{40}{100} = 40\%$$

Feb 16-8:57 AM