Reteaching Page
8.7 - Percents, Decimals, and Fractions

Since **percent** is a ratio of a number to 100, percents are a special way to write a decimal. As you know, decimals are special fractions. So any number can be written as a fraction, decimal or percent.

Let's look at 32% -

Fraction: 32% is 32 out of 100 or $^{32}/_{100} = \ ^{8}/_{25}$ in simplest form.

Decimal: To write 32% as a decimal, move the decimal 2 places **left** (division) and drop the % sign.

32% = 0.32

Let's examine $^{5}/_{8}$ –

Decimal: The fraction $^{5}/_{8}$ means $5 \div 8$. $5 \div 8 = 0.625$

Percent: The fraction $^{5}/_{8}$ is 0.625. Move the decimal 2 places to the right and add the % sign.

$0.625 = 62.5\%$ or $62 \ ^{1}/_{2}\%$

Let's examine 0.4 –

Fraction: 0.4 is read as four tenths. Written as a fraction... $^{4}/_{10} = \ ^{2}/_{5}$ in simplest form.

Percent: To write 0.4 as a percent, move the decimal 2 places to the **right** (multiplying) and add the % sign.

0.4 = 40%

Write each fraction as a decimal and a percent.

$^{3}/_{10} =$ _____ and _____

$3 \div 10 = 0.3$

Move the decimal 2 places and add the % sign.

$^{17}/_{20} =$ _____ and _____

____ ÷ ____ = _____

Move the decimal 2 places and add the % sign.

$^{21}/_{25} =$ _____ and _____

____ ÷ ____ = _____

Move the decimal 2 places and add the % sign.

$^{7}/_{10} =$ _____ and _____

____ ÷ ____ = _____

Move the decimal 2 places and add the % sign.

Write each percent as a decimal and a fraction.

18 % = _____ and _____

Move the decimal 2 places and drop the % sign.

0.18 is $^{18}/_{100} = \ ^{9}/_{50}$ in simplest form.

50 % = _____ and _____

Move the decimal 2 places and drop the % sign.

_____ is _____ = in simplest form.

38 % = _____ and _____

Move the decimal 2 places and drop the % sign.

_____ is _____ = in simplest form.

64 % = _____ and _____

Move the decimal 2 places and drop the % sign.

_____ is _____ = in simplest form.