## Writing percents as decimals and fractions:

1. Write the percent as a fraction over 100.

$$45\% = \frac{45}{100}$$

2. Simplify the fraction

$$\frac{45}{100} \div 5 = \frac{9}{20}$$

3. Write the decimal

$$\frac{45}{100} = 0.45$$

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$$45\% = 0.45$$

\*\* move decimal 2 spaces to the left

#### Example:

$$35\% = \frac{35}{100} \div 5 \div \frac{7}{20}$$

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### 0.125 112.5%

# Writing Fractions as Decimals and Percents:

If the denominator is a factor or multiple of 100...

1. Write an equivalent fraction with a denominator of 100

$$\frac{48}{200} \div 2 = \frac{24}{100}$$

2. Write the decimal and percent

$$\frac{24}{100} = 0.24 = 24\%$$

If the denominator is not a factor or multiple of

- 1. Use long division to divide the numerator by the denominator
- 2. Write the decimal as a percent \*\*move decimal 2 spaces to the right

### Example: