



Vocabulary: Percent of Change



Vocabulary

- Percent – a ratio of a number to 100.
 - For example, 39% means 39 out of 100.
 - To express a ratio as a percent, use the proportion $\frac{\text{part}}{\text{whole}} = \frac{\text{percent}}{100}$.
 - For example, 4 out of 5 can be found as 80% because:
- Percent of change – an increase or decrease in an amount, expressed as a percent of the original amount.
 - To solve problems involving percent of change, use the following proportion:

$$\frac{4}{5} = \frac{x}{100}$$

$$5x = 400$$

$$x = 80$$

$$\frac{\text{amount of change}}{\text{original amount}} = \frac{\text{percent of change}}{100}$$

