

Percent of Change

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

Find the percent of change. Round to the nearest tenth.

Ex. 1 Original: \$8.42/hr
New: \$9.57/hr

$$\begin{aligned} \% \text{ of Inc.} &= \frac{\text{amt. of change}}{\text{orig. amt.}} \\ &= \frac{9.57 - 8.42}{8.42} \\ &= \frac{1.15}{8.42} \\ &= 13.7\% \end{aligned}$$

Ex. 2 Original: In 2008, there were 535 students
New: In 2009, there were 512 students

$$\begin{aligned} \% \text{ of dec.} &= \frac{\text{amt. of change}}{\text{orig. amt.}} \\ &= \frac{535 - 512}{535} = \frac{23}{535} = 4.3\% \end{aligned}$$