

The annual tuition at a four year college is expected to increase from \$4500.00 to \$5400.00 next year. What is the percentage increase?

$$\begin{array}{r} 5400.00 \\ - 4500.00 \\ \hline \end{array}$$

Amount of Increase

$$\left(\begin{array}{c} \text{Amount of} \\ \text{Increase} \end{array} \right) = \left(\begin{array}{c} \% \\ \text{Increase} \end{array} \right) \cdot \left(\begin{array}{c} \text{Annual} \\ \text{Tuition} \end{array} \right)$$

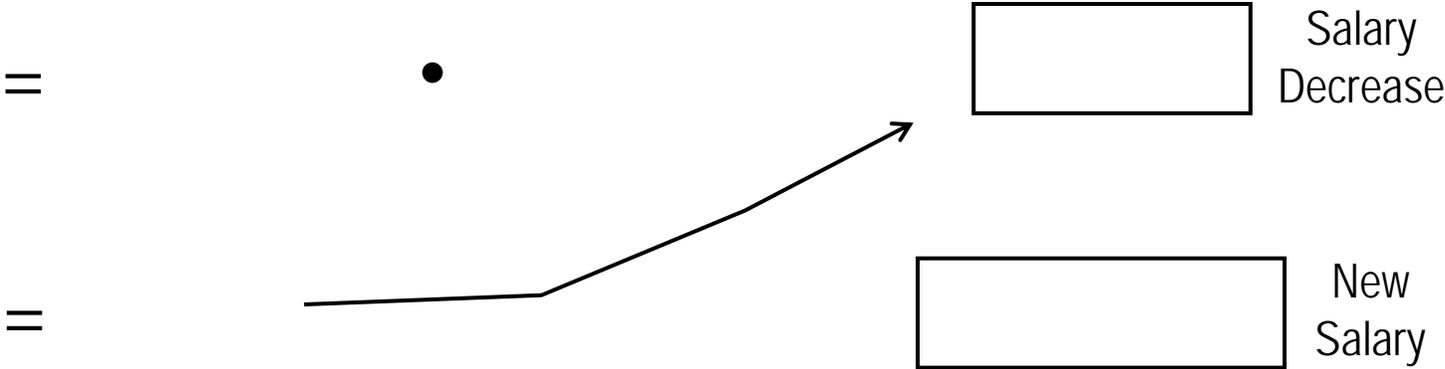
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A person whose salary is \$42,000.00 receives a 2% pay cut. What is the salary decrease and what is the new salary?

$$\left(\begin{array}{c} \text{Amount of} \\ \text{Decrease} \end{array} \right) = \left(\begin{array}{c} \% \\ \text{Decrease} \end{array} \right) \cdot \left(\begin{array}{c} \text{Total} \\ \text{Salary} \end{array} \right)$$



During a clearance sale a pair of shoes that originally sold for \$89.95 is marked down to \$53.97. What is the percent discount?

$$\left(\begin{array}{c} \text{Amount of} \\ \text{Discount} \end{array} \right) = \left(\begin{array}{c} \% \\ \text{Discount} \end{array} \right) \cdot \left(\begin{array}{c} \text{Original} \\ \text{Price} \end{array} \right)$$

$$\begin{array}{r} 89.95 \\ - 53.97 \\ \hline 35.98 \\ \text{Amount of} \\ \text{Discount} \end{array}$$

