

Percentage Calculation Formulas

Corresponding Percentage Application: What is 20% of 700? Answer is 140.

$$% = \frac{700 \text{ X } 20}{100} = 140$$

Percent Difference Application: What is the change expressed in percent from one number to another? (E.g. What is the change from 97,235 to 126,567? Answer is 30.17 percent.)

$$\triangle$$
% = 100 $\left(\frac{\text{New Amount (x)} - \text{Base (y)}}{\text{Base (y)}}\right)$

Percent of Total Application: What percentage one number is of another? (E.g. What is percentage of \$3.92 million is \$1.67 million? Answer is 42.6 percent.)

$$%T = 100 \left(\frac{Amount(x)}{Total(y)} \right)$$

$$%T = 100 \left(\frac{\$1.67 \text{ million}}{\$3.92 \text{ million}} \right) = 42.6\%$$