

Constant of Proportionality	$k = \frac{y}{x}$
Percent Equation	<p>Part = % x Whole;</p> <p>change the % into a decimal before multiplying.</p>
Taxes	<p>Tax = Tax rate(%) x Cost;</p> <p>change the % into a decimal before multiplying.</p>
Tips(gratuity)	<p>Tip = Tip % x Cost;</p> <p>change the % into a decimal before multiplying.</p>
Mark-ups	<p>Mark-up = %(as a decimal) x Cost</p> <p>Total Cost = Cost + Markup</p>
Markdowns	<p>Markdown = %(as a decimal) x Cost</p> <p>Total Cost = Cost - Markdown</p>
Simple Interest	<p>$I = Prt$;</p> <p>P = Principal(beginning balance)</p> <p>r = interest rate(%); change the % into a decimal before multiplying.</p>

t= time (days, weeks, months,
years)

Percent Change

$$\frac{\text{New} - \text{Old}}{\text{Old}} ;$$

New= *new cost or price*;

Old = original cost or price.