

Percentages: $\frac{\%}{100} = \frac{\text{part}}{\text{whole}}$

$\% \text{ increase/decrease} = \frac{\text{final} - \text{original}}{\text{original}}$

<p>Discounts</p> $\frac{\%}{100} = \frac{\text{discount}}{\text{original}}$ <p>*SUBTRACT discount from the original</p>	<p>A sweater costs \$40 originally. It is on sale for 25% off. How much is the discount? The sale price?</p> <p>You spent \$52 on a suit jacket. The original price was \$80. How much was the discount rate?</p>	<p>A sled originally cost \$79. You have a coupon for 20% off. How much is the sled after the coupon?</p> <p>An ipod is on sale for \$160. It originally cost \$200. How much was the discount rate?</p>
<p>Tax</p> $\frac{\%}{100} = \frac{\text{tax}}{\text{original}}$ <p>*ADD tax to the original</p>	<p>The watch you want to buy is \$55. Maryland has a 6% sales tax. How much is the tax? The total cost?</p> <p>The price of a pair of sunglasses before taxes is \$45. When you go to buy them, you have to pay \$47.25. What is the tax rate for the sunglasses?</p>	<p>Original price of an MP3 player is \$99.50. The state tax is 8%. How much is the tax? The total cost?</p> <p>Before tax, a sofa costs \$650. After tax, it costs \$676. What is the tax rate?</p>
<p>Tip</p> $\frac{\%}{100} = \frac{\text{tip}}{\text{original}}$ <p>*ADD tip to the original</p>	<p>At Olive Garden, your family received the check for \$53.50. You want to leave a 20% tip. What is the cost of the tip? The whole meal?</p> <p>At Famous Dave's, you and your friends paid \$95 for a bill of \$80. What percentage of tip did you give?</p>	<p>Lindsey goes to a restaurant and orders a meal that costs \$12. She leaves an 18% tip. What is the cost of the tip? The whole meal?</p> <p>At Don Pablo's, Mr. Mitchell paid \$122 for a bill of \$100. What percentage tip did he give?</p>