

Note: Calculating discount, tax, tip, markup, and commission are all and application of a type one percent.

# Word Problems

#### <u>Discount</u>

Ex: A television that regularly costs \$675 is on sale for 30% off. What is the sale price?



#### <u>Tip</u>

Ex: The bill for the Schoff family's dinner at Tully's was \$42.90. They left an 18% tip for their waiter. What was the value of the tip?



### <u> Tax</u>

Ex: A new Under Armour hoodie costs \$69.99 at Dick's Sporting Goods. If the sales tax is 8%, what is the cost including tax?



### Markup

Ex: Game Stop buys its PS4 game systems from Sony for a price of \$210. The store marks up the price 45% for its selling price. What is the price at Game Stop for the PS4?



## **Commission**

Ex: A real estate agent sold a home for \$265,000. If they earn 6% commission on any sale, how much did he earn in commission?



## **Commission with Total Earnings**

Mark works at Verizon Wireless. He earns a salary of \$275 a week plus 3% commission on his total sales. If his total sales last week were \$12,500, what were his total earnings last week?



## Discount and Tax

Ex: A 50 inch television is on sale for 30% off. If the television costs \$965 and the sales tax is 7%, what is the sale price of the television including tax?



