## Discount: a decrease in the original price of an item

To find the SALE PRICE multiply the cost by the difference of 100% and the percent discount so that you are finding the percent that YOU PAY FOR the item.

Example: A pair of shorts that costs \$35 is on sale for 15% off. What is the sale price?

Markup: an increase in the original price of an item

To find the **SELLING PRICE** multiply the cost by 1 plus the percent (turned into a decimal) so that you are paying for the item PLUS the markup.

Example: A store pays \$70 for a bicycle. The percent of markup is 80%. What is the selling price? 100% + 80% = 180%

You decide to purchase the bicycle for \$126 when it goes on sale for 10% off. How much does it cost you to buy it with 7.25% tax?

Profit: the difference between what a store pays for an item and what they sell the item for.

What is the profit to the store for the bicycle you just bought on sale?