

# Percents

**Discounts,  
Markups, Tips  
& Sales Tax**

# Vocabulary

## Markup

The \_\_\_\_\_ in price of something



## Discount

Amount \_\_\_\_\_ the original price



# Vocabulary

## Tip

Amount \_\_\_\_\_ to a \_\_\_\_\_ bill or service.



## Tax

Amount \_\_\_\_\_ to the price when you buy something.

## Original Price

Other names: Regular Price & Wholesale Price

# Vocabulary

## Retail Price

Original Price + \_\_\_\_\_

## Sale Price

Original Price - \_\_\_\_\_



# Getting to know the vocabulary

**A) Jeremy goes to Costco and buys a big box of M & M's for \$5.50. He later will sell it at \$7.00. What was the markup?**



**B) Andrea buys a dress on sale for \$75. It was originally suppose to be for \$90. How much was the discount?**



# Getting to know the vocabulary

**C) Jose wanted to make some money off selling his \$900 motorcycle. So he marked it up by \$250. What is the retail price?**



**D) Arlene couldn't believe she saved \$25 dollars off a coat she just bought that was originally \$79. What was the sale price?**



# THE PERCENT EQUATION

**part** = % • **whole**

**a** = **p** • **w**

# Finding Discount & Markup

**Markup** = % **X** Original  
(Wholesale) Price

**Discount** = % **X** Original  
(Retail) Price

**Tip** = % **X** Original Cost

**Tax** = % **X** Retail or Sale  
Price



**1) You are a manager of jewelry store. You buy a ring at a wholesale price of \$180. Your percent of markup is 20%.**

**a) What is the amount of markup?**

**b) What is the retail price?**



**2) A \$36 book is on sale for \$27.**

**a) What is the amount of discount?**

**b) What is the percent of discount?**



**3) You want to buy a coat for \$50, but it has a discount of 15%.**

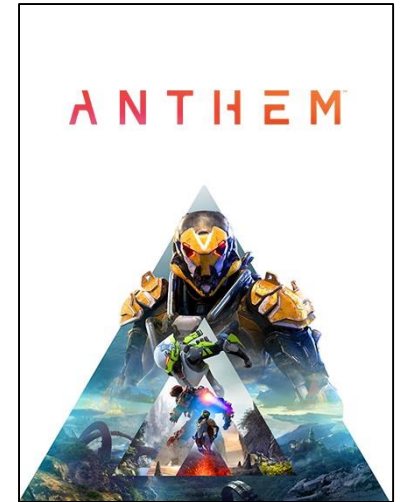
**a) What is the amount of discount?**



**b) What is the sale price?**

**4) You want to buy a video game for \$40, but it has a tax of 8%.**

**a) What is the amount of tax?**



**b) What is the total price?**

**5) You buy a pair of jeans that is 30% off the original price of \$29. What is the sale price?**

**a) What is the amount of discount?**

**b) What is the sale price?**



**6) You just ate a meal for \$18. Find the total cost of the meal if you want to leave a 20% tip.**

**a) What is the amount of tip?**

**b) What is the total cost of the meal?**



**7) You want to buy a jacket for \$90. It has a 20% discount, but 8% tax. How much will you pay for the jacket?**

**a) What is the amount of discount?**

**b) What is the sale price?**

**c) What is the amount of tax after the discount is taken off?**

**d) What is the overall total price?**