

15.6

Discounts & Markups

Today's Learning Goals:

- Use percent of discounts to find prices of items.
- Use percent of markups to find selling prices of items.

Vocabulary

Markup

The _____ in price of something

Discount

Amount _____ the original price

Original Price

Other names: Regular Price & Wholesale Price



Vocabulary

Retail Price

_____ + Markup

Sale Price

Original Price -- Discount



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?



THE PERCENT EQUATION

$$\text{part} = \% \bullet \text{whole}$$

$$a = p \bullet w$$

Finding Discount & Markup

$$\text{Markup} = \% \times \text{Original Price}$$

$$\text{Discount} = \% \times \text{Original Price}$$

- 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?

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?



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 have a collector's book for \$40, and you want to mark it up by 8%.

a) What is the amount of mark up?



b) What is the total price?

Practice

- 5) The original price of a T-shirt is \$15. The sale price includes a 35% discount. What is the sale price?

Practice

- 6) The original price of a skateboard is \$50. The sale price includes a 20% discount. What is the sale price?

Practice

- 7) The discount on a package of socks is 15%. It is on sale for \$17. What is the original price of the package of socks?

Practice

- 8) A store pays \$15 for a baseball cap. The percent markup is 60%. What is the selling price.

Practice

- 9) The discount on a DVD is 20%. It is on sale for \$40. What is the original price of the DVD?

Practice

- 10) A store pays \$75 for an aquarium. The markup is 20%. What is the selling price?

Finding the original number

- 1) You have w dollars. You lost 25% of it and now you have 6 dollars. How much did you start off with?

Original amount



Finding the original number

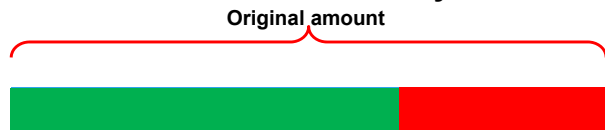
- 2) You have w dollars. You lost 20% of it and now you have 16 dollars. How much did you start off with?

Original amount



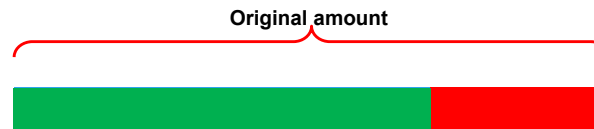
Finding the original number

- 2) You have w dollars. You lost 30% of it and now you have 21 dollars. How much did you start off with?



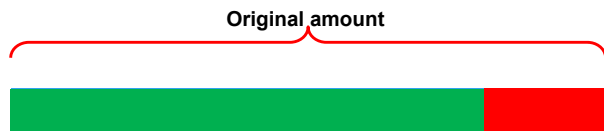
Finding the original price.

- 4) The discount on a shirt is 25%. It is on sale for \$15. What is the original price of the shirt?



Practice

- 5) The discount on a package of socks is 15%. It is on sale for \$17. What is the original price of the package of socks?



Practice

- 6) What is the original price of the shoes?

