**6.6: Discounts and Markups**

Why does a store mark up an item?

Why does a store then sometimes discount
that item?

Write and solve an equation to answer the question.

 1. What is 40% of 238?

 2. 28 is what percent of 70?

 3. What is 34% of 240?

 4. 5% of what number is 6?

 5. What is 110% of 150?

 6. 42 is 250% of what number?

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

**Markup:** to make a profit, stores charge more than what they pay. The increase from what the store pays to the selling price is called the markup

You go to a store to buy a new pair of jeans.
You find 2 pairs of jeans each on sale for a different price. Explain which is a better bargain.

 Regular Price: $35; Discount: 30%

 Regular Price: $40; Discount: 35%

Find the cost to store, percent of markup, or selling price.

 1. Cost to store: $20 2. Cost to store: $65
Markup: 15% Markup: 30%
Selling price:  Selling price: 

 3. Cost to store: $100 4. Cost to store: $150
Markup: 12% Markup: 5%
Selling price:  Selling price: 

Copy and complete the table.

 1.

|  |  |  |
| --- | --- | --- |
| **Original Price** | **Percent of Discount** | **Sale Price** |
| $75 | 30% |  |
| $18 | 65% |  |
|  | 30% | $42 |
|  | 55% | $90 |
| $35 |  | $28 |
| $55 |  | $46.75 |

 2.

 3.

 4.

 5.

 6.

Find the cost to store or selling price.

 7. Cost to store: $65 8. Cost to store: 

 Markup: 25% Markup: 80%

 Selling price:  Selling price: $122.40

 9. The cost to a store for a box of cereal is $2.50. The store is selling the
box of cereal for $3.50. What is the percent of markup?

 10. A store pays $120 for a bicycle.

 a. The store has a 60% markup policy. What is the selling price of
the bicycle?

 b. The store is now going out of business and is selling all of the bicycles at a 30% discount. What is the sale price of the bicycle?

 c. Will the store make money or lose money on the bicycle? How much?

 11. The selling price of a skateboard is $147. The store has a 75% markup policy. What is the cost of the skateboard to the store?

 12. You buy a watch for $60.

 a. There is a 6% sales tax. What is your total cost for the watch?

 b. Your friend buys the same watch a month later. It is now sold at a discount of 15%. What is the new sale price?

 c. What is your friend's total cost for the watch including tax?

 d. What is the percent of change in the total cost?