

Name _____

Date _____

Mr. Tallman

Do Now

1) Gamestop purchases a Playstation 4 from the warehouse for \$250. Gamestop sells a Playstation 4 to customers for \$300. What is the percent of the markup?

2) A \$300 is marked up by 25%. What is the new price of the tablet?

Lesson #38 - Discount and Markdown

The cost of an item _____ when a discount or markdown is applied to that item.

Example 1) Answer the following questions.

A) You are shopping at Macy's and see a pair of jeans that costs \$50. You have a coupon that provides you with a \$5 discount on any purchase. What is the cost of the jeans after the discount?

B) Morgan is at CVS and wants to buy shampoo. She finds her favorite shampoo that originally costs \$5. She notices that the shampoo has been marked down to \$3. How much money is she saving?

<u>How To Find Discount/Markdown</u>	
<u>Discount/Markdown Equation</u>	<u>Discount/Markdown Proportion</u>
Discount or Markdown = Original(%) **Percents must be turned into Decimals**	$\frac{\textit{discount or markdown}}{\textit{original}} = \frac{\%}{100}$

Example 2) Madison buys a pair of pants that were originally priced \$60. She has a 30% off coupon.

Part A) How much will she be saving by using the coupon?

Part B) What is the final cost of the pants?

Example 3) There's a skateboard competition this Saturday. Jensen would like to purchase a new skateboard which is originally priced at \$50. All skateboards are on sale 20% off. What is the sale price of the skateboard?

Example 4) A car that normally sells for \$20,000 is on sale for \$16,000. Find the discount rate.

Now, You Try!

5) A \$310 mountain bike is discounted by 35%. Find the sales price of the bicycle.

6) A laptop that normally sells for \$687.50 is on sale for \$550. What is the discount rate?

What happens if you know the discount percent and the sale price, but want to know the original price??

Example 7) A sign says that the price marked on all music equipment is 30% off the original price. You buy an electric guitar for the sale price of \$315. What is the original price?

\$315 is what percent of the original price? _____

Example 8) There is a sign at Journey's in the mall that says all shoes are 25% off. The sale price of the pair of shoes you are looking at is \$55. What is the original price of the shoes?

Practice Problems

9) Sasha went shopping and decided to purchase a set of bracelets for 25% off of the regular price of \$44. Find the sales price of the set of bracelets.

10) A backpack that usually sells for \$50 is on sale for \$38. What is the percent of discount for the sale price?

11) A \$300 tablet is marked up by 25% then marked down by 25%. What is the final price?

12) At Stop-N-Shop, you find a 24 pack of Poland Spring water originally \$4.99. There is a sign above the water that says it is 15% off.

Part A) What is the price of the Poland Spring water after the discount of 15%?

Part B) When you get up to the register, you realize you have a coupon for an additional 20% off any item. What is the final cost of the Poland Spring water?