

Name _____

Date _____

Mr. Tallman

Do Now

Thomas wants to buy a pair of jeans that regularly cost \$44. Their jeans are on sale for 35% off. The tax rate is 8.5% and is applied to the sale price.

Part A) What is the sale price of the jeans?

Part B) What is the tax amount? (REMEMBER: apply the tax percent to the sale price)

Part C) What is the final cost of the pair of jeans?

Lesson #40 - Multi-Step Percents Day Two

Tips for Multi-Step Percent Problems

- When solving a problem involving discount and tax, remember to find the discount first. Then find the tax on the sale price.
- When solving a problem with two discounts, find the discounts in the order that the problem gives the discounts.
- When solving a problem with tax and tip, always find the tax and tip amounts based on the original price.

Example 1) The restaurant bill is \$70. The sales tax is 7% and you would like to leave a 20% tip. Find the total cost of the meal.

Example 2) On David's vacation, he went on a tour for \$150. There is a 4 % sales tax on all tours. David wants to tip the tour guide 15%.

Part A) How much tax will David be charged?

Part B) What is the amount of tip David should leave?

Part C) How much will David have to spend in total?

Example 3) Beth wants to tip 15% on a restaurant bill that is \$35. She knows that there is a 7.5% sales tax on food. What will be the total bill?

Example 4) Zoe took a cab ride that costs \$36. She wanted to give the driver an 18% tip. There is a 5% tax on all rides. How much did the cab ride cost Zoe?

5) A home-improvement store sold wind chimes for \$30 each. A customer signed up for a free membership card and received a 5% discount off the price. Sales tax of 5% was applied after the discount. What was the final price of the wind chime?

6) Marcus and his little brother went out to lunch. The total of what they ordered is \$26.54, not including tax. The tax rate is 7.75% and Marcus would like to leave a 15% tip. If Marcus had \$40, how much money would he have left?