

9.3 Discounts and Markups

Math 7

Write your questions here!



Ex 1: Mr. Sullivan buys a Michael Jordan rookie card that costs \$300 during a 15% off sale. How much does he pay for the card?

$$\boxed{} - \boxed{} = \boxed{}$$

Original Price Amount of Sale Total Price

Brust goes to the store and spends \$35 on groceries. Tax at the store is 6%. What is the total price of his groceries?

$$\boxed{} + \boxed{} = \boxed{}$$

Original Price Amount of Tax Paid Total Price

Ex 3: Mr. Kelly is a savvy investor. A year ago he invested \$4500 in Tesla stock. After one year the value of the stock went up 125%. How much money did the stock go up by?

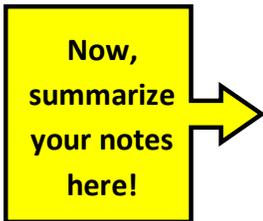
How much money does he have invested in total?

Ex 4: Brust sells his favorite jean jacket to Mr. Bean for 35% off. He told him the jacket originally cost \$45. How much did he sell it to Mr. Bean for?

You try!

Sully is so smart...he waits to buy the new iPhone 24 until its on sale for 20% off. How much will he pay if the store is selling it for \$3800?

SUMMARY:



9.3 Discounts and Markups

PRACTICE

Solve the following. SHOW ALL WORK!!!! Round to the nearest hundredth.

1) The Algebros eat out at their favorite restaurant, BIG EMMAS! The bill is \$68.78 and they give 18% in their tip. How much did they pay in total?

2) Diana Prince is decorating her home. She buys a brand new couch at Ikea for \$600 that is 40% off. How much does she save on her purchase?

Solve the following. SHOW ALL WORK!!!! Round to the nearest hundredth.

3) Mr. Sullivan buys hamburgers for \$0.50 at the store and plans to grill and sell them at the Softball tournament. He plans on marking them up 250%. How much will he be selling them for.

4) Richie Rich has \$1,000,000 invested in Tesla stock. After one year the stock grew 68%. How much is Richie Rich's stock now worth?

5) A normal pizza has 1800 calories. Pizza Pizza Pizza makes a lite pizza with 30% less calories. How many calories is Pizza Pizza Pizza's lite pizza?

6) Alfred tells Bruce Wayne that he needs to cut his Batman Budget by 18%. If Bruce Wayne had been spending \$4,000,000 a year on Batman, how much money did Batman cut from the budget?

7) Mr. Kelly is a smart shopper. He went and bought a brand new car while he was on sale for 30%. The car originally costs \$28,500. How much money did he save?

8) The Cleveland Cavaliers won 24 games last year. Their goal is to win 25% more games this year. How many games do they need to win this year for their goal to be true?

Solve the following. SHOW ALL WORK!!!!

1) Mr. Brust goes to the store. He buys some groceries for \$136.52 and then pays the 5% tax on top of it. What is his total bill?

2) a. Brust has just started to invest money. He puts \$500 into a new E-bike company called "No Pedal Biking". His first year he loses 25% of investment. How much money does he have still invested after one year?

b. The next year "No Pedal Biking" does great! Brust earns 25% of his investment back (the amount you found in part a). How much money does Brust have at the end of this year invested?

c. What do you notice? What's strange? Why do you think this is true?

EXIT TICKET –

Mr. Sullivan loves tacos! For his birthday he gets a coupon for 20% off tacos. He goes to his favorite restaurant and orders \$ x worth of wonderful tacos.

Select ALL POSSIBLE answers that correctly model the total price for how much Mr. Sullivan pays for tacos.

a. $x + 0.20x$

c. $x + 0.20$

e. $1.20x$

b. $x - 0.20x$

d. $x - 0.20$

f. $0.80x$