Chapter 6 Review

Numeric Response

1. The Chic Boutique is advertising that their shoes are on sale with discounts of 55% - 65%. The regular prices of the shoes range from 29.95 to 89.95. If the sale prices range from $11.68 to $46.77, is their ad correct? Give proof for your answer.

2. A gallon of gas was $3.06 on April 1st. By July 3rd, the price has risen to $3.24. What is the percent increase? (Round to the nearest whole percent)

Short Answer

3. Mary Farmer purchased school supplies for $33.62, an atlas for $23.95, and a CD for $13.78 at Books Express. For all purchases she must pay the state sales tax of 7.5 percent and the county tax of 0.5 percent. What is the tax on her purchase?

4. Martin Pincher purchased a snow shovel for $28.61, a winter coat for $23.27, and some rock salt for $7.96. He must pay the state tax of 5 percent, the county tax of 0.5 percent and the city tax of 2.5 percent. What is the total purchase price?

5. Thompson Alberts purchased a pack of 12 pencils for $4.99. What is the unit price per pencil rounded to the nearest tenth of a cent?

6. Duke Edwards purchased six quarts of orange juice for $13.10. Find the unit price per quart rounded to the nearest cent.

7. Dennis Anderson purchased four gallons of milk for $11.67. Find the unit price per gallon rounded to the nearest cent.

8. Jefferson Todd can buy 2 gallons of ice cream for $3.87, 3 gallons for $4.10, or 1 gallon for $1.98. What is the unit price of the best buy, rounded to the nearest tenth of a cent?

9. Rhea Franken can buy one dozen cookies for $5.65, two dozen for $11.30, or three dozen for $16.95. Which is the best buy?

10. Marta Sanchez purchased a sweater for $15.67, a pair of socks for $2.13, and a bracelet for $6.78. For all purchases she must pay the state sales tax of 7.5 percent and the county tax of 0.5 percent. What is the tax on her purchases?

11. Mary Lou Mason purchased baby bottles for $4.56, baby formula for $12.45, and a pacifier for $2.13. For all purchases she must pay the state sales tax of 6.5 percent and the county tax of 1.5 percent. What is the tax on her purchases?

12. Heather Johnson bought a new set of tires for $436.00 and a car seat for $22.85. The state tax is 6 percent, the county tax rate is 1.5 percent, and the city tax rate is 0.5 percent. What is the total purchase price?

13. Kira Soon purchased an office chair for $167.87. She received a $19.95 rebate from the manufacturer and a $8.95 rebate from the store. What is the final price?

14. Wally Martin purchased a tablet for $154.35. He received a $9.95 rebate from the manufacturer and an $8.95 rebate from the store. What is the final price?

15. Jeralyn Weller is ready to purchase a new mail box. It is regularly priced at $87.99. The sale price is $68.54. What is the markdown? What is the marksown percent?

16. Julian Nestor is ready to purchase a new stroller. It is regularly priced at $127.99. The sale price is $88.54. What is the markdown? What is the markdown percent?

17. Jacquelyn Gardner is ready to purchase a new watch. It is regularly priced at $48.77. The sale price is $38.54. What is the markdown? What is the markdown percent?

18. The regular selling price of a recliner at Furniture Depot is $289. The markdown rate is 33 percent. What is the sale price?

19. The regular selling price of a laptop computer is $897.55. The markdown rate is 27 percent. What is the sale price?

20. The regular selling price of a leather backpack is $279. The markdown rate is 22 percent. What is the sale price?

21. The regular selling price of a pair of cowboy boots is $231.45. The markdown rate is 36 percent. What is the sale price?

22. You are shopping for a new camera. You have chosen a model that has a regular price of $218. You have a coupon for 10% off. There is also a manufacturers rebate of $20. What is the final cost to you including 6% Idaho sales tax?

1. No, $29.95 to $11.68 is a 61% discount, but $89.95 to $46.77 is only a 48% discount.
2. 6%
3. $5.71
4. $64.63
5. $0.416/pencil or 41.6¢/pencil
6. $2.18/qt.
7. $2.92/gal
8. 3 gallons for $4.10 ($1.367/gallon)
9. All the same
10. $1.94
11. $1.53
12. $495.56
13. $138.97
14. $135.45
15. $19.45, 22%
16. $39.45, 31%
17. $10.23, 21%
18. $193.63
19. $655.21
20. $217.62
21. $148.13
22. $187.97