

## Lesson 19C ~ Percent Applications

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**A store buys an item for the original price listed. It then charges customers the original price paid plus an additional percent of markup. If the item does not sell, the store tries to sell the item on sale at a discounted price.**

**For each problem:**

- a. Find the selling price once the store applies its percent of markup.
- b. Find the sale price for the item using the percent of discount from your answer to part a.

**Round to the nearest tenth, if necessary.**

1. original: \$42.50  
percent of markup: 6%  
percent of discount: 5%
2. original: \$63.10  
percent of markup: 20%  
percent of discount: 10%
3. original: \$24.50  
percent of markup: 40%  
percent of discount: 20%
4. original: \$45.90  
percent of markup: 50%  
percent of discount: 25%
5. Nancy went to breakfast with her friend. The waitress brought the bill which was \$21.20. They decided to leave a 15% tip and split the total cost. How much did Nancy pay?
6. Kevin went to dinner with two friends. The bill was \$42.00. They decided to leave a 15% tip and then split the total cost. How much did Kevin pay?
7. Tanya bought a pair of roller skates in California. The skates cost \$32 before the 8% sales tax was applied. How much did Tanya pay for the roller skates after taxes were included in the cost?
8. Megan found a pair of shoes that were originally \$65.00. They had been on sale for 20% off and they were now an additional 10% off the sale price.
  - a. What was the actual price of the shoes?
  - b. Megan's friend insisted the shoes were 30% off the original price. Was this true?
9. Fadia bought a new computer in Tennessee. The computer was originally \$400. It was on sale for 15% off the original price. Tennessee has a 7% sales tax. How much did Fadia spend on the new computer?