

Section 1.6 Worksheet
Percents

Name _____

Work each of the following problems involving percents.

1. What is 25% of 450?
2. Find 12.5% of 3200.
3. What percent of 30 is 45?
4. What percent of 48 is 20?
5. 12% of what number is 360?
6. 2.5% of what number is 150?

Work each problem. Round off money problems to the nearest penny.

7. You are paid hourly for your work at the local pet shop. Your current rate is \$7.25 per hour. If you receive a 2% raise, what is your new hourly rate?
8. On Tuesdays, senior citizens receive a 15% discount on clothing at a local store. If your grandmother purchases a pair of shoes that retails for \$65.00, what is the sale price of the shoes?
9. The accepted tip rate in a restaurant is 15% of the cost of the meal. If your meal costs \$22.50, how much should you tip the waitress?
10. The price of XYZ stock increased from 62.25 per share to 88.5 per share in 6 months. Find the percent increase of the stock's value.
11. Your boss decides to give you a 3.5% raise in pay. What is your raise if your current salary is \$27,250? What is your new annual salary?
12. An advertisement lists the price of a printer on sale at \$145.95. The regular price is \$165.95. What percent discount is the store giving its customers?
13. Approximately 22.1% of tornadoes strike during the month of May. The annual average number of tornadoes in Texas is 124 based on NOAA statistics. Using these statistics, predict the number of tornadoes Texans should expect in May.
14. The suggested retail price of a television is \$1250. The TV is on sale for 20% off the retail price. Find the sale price of the TV.
15. Suppose an item costs \$50 and is discounted 10%. If it is then marked up 10%, is the resulting price \$50? Why or why not?