Skill: Using Percents

Solve by writing an equation.

1. Mr. Andropolis wants to leave the waitress a 12% tip. Estimate the tip he should leave if the family's bill is $32.46.

2. Michael receives a 9.8% raise. He currently earns $1,789.46 per month. Estimate the amount by which his monthly earnings will increase.

3. Estimate the sales tax and final cost of a book that costs $12.95 with a sales tax of 6%.

4. A real estate agent receives a 9% commission for every house sold. Suppose she sold a house for $112,000. Estimate her commission.

5. A jacket costs $94.95. It is on sale for 30% off. Estimate the sale price.

6. A restaurant offers a 13% discount on chicken wings on Mondays. If Travis eats $7.95 worth of chicken wings on Friday, how much would those wings cost on Monday?

7. Last year, the Widget Corporation had $650,000 in sales. This year, sales are down 4%. How much did the Widget Corporation sell this year?

8. A store is selling a sweater on sale for $17.90. The regular price is $22.95. What percent of the regular price is the sale price?

Skill: Using Percents *(continued)*

Find each amount.

9. 40% of 70

10. 25% of 80

11. 50% of 80

12. 40% of 200

13. 5% of 80

14. 75% of 200

15. 14% of 120

16. 30% of 180

17. 62.5% of 24

Solve.

18. A farmer raised a watermelon that weighed 20 lb. From his experience with raising watermelons, he estimated that 95% of the watermelon's weight is water.

    a. How much of the watermelon is water?

    b. How much of the watermelon is *not* water?

    c. The watermelon was shipped off to market. There it sat, until it had dehydrated (lost water). If the watermelon is still 90% water, what percent of it is not water?

    d. The solid part of the watermelon still weighs the same. What was the weight of the watermelon at this point?

19. A bicycle goes on sale at 75% of its original price of $160. What is its sale price?