

Skill: Using Percents

Investigation 4

Decimal Operations

Solve by writing an equation.

1. Mr. Andropolis wants to leave the server a 12% tip. Estimate the tip he should leave if the family's bill is \$32.46.
2. Michael buys a pair of jeans that regularly costs \$62. The jeans were discounted by 80%. Estimate the discounted price of the jeans.
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 \$212,000. Estimate her commission.

Name _____ Date _____ Class _____

Skill: Using Percents (continued)

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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. On Friday, Travis eats \$7.95 worth of chicken wings. How much would those wings cost on Monday?
7. Ian went out to dinner last night and remembers leaving a \$6.50 tip. The tip was 20% of the cost of dinner. What was the cost of dinner before tip?
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)

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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 pounds. From his experience with raising watermelons, he estimated that 95% of the watermelon's weight is water.
 - a. In pounds, how much of the watermelon is water?

 - b. In pounds, 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 by weight, what percent of it is not water?

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