

Name _____ Date _____ Pd _____

Percent and Percent Applications Study Tool

Solve. Round to the nearest tenth if necessary.

1. What % of 40 is 12?
2. What is 80% of 50?
3. 45% of what number is 40?

4. How much interest does Katie earn if she deposits \$300 in the bank, leaves it there for 5 years, and the rate is 6%?

5. Dick's raises the price of tennis rackets from \$35.00 to \$42.50. What is the percent of increase?

6. What is the principal if the interest earned is \$50, the rate is 5% and the time is 3 years?

7. A bag contains 42 green marbles. This is 20% of all the marbles in the bag. How many marbles are in the bag?

8. An iPod that cost \$359 last year costs \$289 this year. What is the percent decrease?

9. A pair of jeans that cost the retailer \$10 was marked up to \$27.50 to sell to customers. What is the percent of the markup?

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10. Mrs. Weddle bought her husband a watch. The watch usually costs \$65.50, but was on sale for 30% off. What is the sale price of the watch?

11. On a \$50.85 bill at Red Robin, your parents leave a 15% tip. What amount do they leave for the tip?

12. Peter earns 6% interest on \$240.00 he has in the bank. How much interest does Peter earn in 3 years?

13. How many years does it take Josh to earn \$35 of interest if the principal is \$400 and the rate is 5%?

14. If Tommy guessed there were 65 marbles in the jar, but there were actually 80 marbles in the jar, what is Tommy's percent error?

15. The accepted temperature of a healthy human being is 98.6° F. Katie's temperature was 99.2°F. What is the percent error?