

Percent Review 2

Write the letter for the correct answer in the blank at the right of each question.

1. What is 164% of 25?
A. 16 B. 28 C. 41 D. 75 1. _____
2. What percent of 700 is 385?
F. 0.55% G. 1.82% H. 45% I. 55% 2. _____
3. Fifteen percent of the 20 players on the soccer team are new this year. How many players on the team are new this year?
A. 3 B. 6 C. 10 D. 15 3. _____

Which is the best estimate for each expression?

4. 37% of 293
F. 75 G. 120 H. 125 I. 150 4. _____
5. $4\frac{1}{5}\%$ of 192
A. 2 B. 8 C. 12 D. 19 5. _____

Which equation and solution represents each situation?

Solutions may be rounded to the nearest tenth.

6. What number is 16% of 44?
F. $n = 16 \cdot 44; 704$ H. $n = 0.16 \cdot 44; 7.0$ 6. _____
G. $44 = 0.16 \cdot n; 275$ I. $0.16 = n \cdot 44; 0.4$
7. 36% of what number is 27?
A. $27 = 0.36 \cdot n; 75$ C. $0.36 = n \cdot 27; 1.3$ 7. _____
B. $n = 0.36 \cdot 27; 9.7$ D. $27 = 36 \cdot n; 0.8$
8. While shopping, Santiago spent \$57. If the amount he spent was 30% of his savings, how much savings did he have before he shopped?
F. \$190 G. \$171 H. \$87 I. \$39.90 8. _____
9. Maria has lunch at a restaurant. If her bill was \$12.25 and Maria wants to leave a 20% tip, what is a reasonable estimate for the amount she should leave for the tip?
A. \$1.30 B. \$2.00 C. \$2.45 D. \$2.80 9. _____
10. A keyboard is on sale for \$676. If this price represents a 20% discount from the original price, what is the original price to the nearest cent?
F. \$650 G. \$700 H. \$845 I. \$965 10. _____

Percent Review *(continued)*

What is each percent of change? Round to the nearest whole percent if necessary. Is the percent of change an increase or decrease?

11. 200 to 300
 A. 33%; increase C. 50%; increase
 B. 50%; decrease D. 100%; increase
 11. _____

12. \$99 to \$74
 F. 34%; decrease H. 25%; decrease
 G. 34%; increase I. 25%; increase
 12. _____

13. \$49 to \$149
 A. 2%; increase C. 100%; increase
 B. 67%; increase D. 204%; increase
 13. _____

What is the total cost or sale price to the nearest cent?

14. \$1,725 couch; 15% markup
 F. \$1,983.75 G. \$1,638.75 H. \$1,466.25 I. \$258.75
 14. _____

15. \$14.30 watch; 6 3/4% sales tax
 A. \$0.97 B. \$13.33 C. \$15.27 D. \$23.95
 15. _____

16. \$48 dinner; 20% tip
 F. \$9.60 G. \$57.60 H. \$62.60 I. \$68.00
 16. _____

What is the simple interest paid to the nearest cent for each principal, interest rate, and time?

17. \$2,500, 4.5%, 2 years
 A. \$225 B. \$2,250 C. \$2,725 D. \$22,500
 17. _____

18. \$834, 3%, 15 months
 F. \$31.28 G. \$375.30 H. \$865.28 I. \$3,127.50
 18. _____

19. \$1,750, 5 3/4%, 9 months
 A. \$70.09 B. \$75.47 C. \$905.63 D. \$1,825.47
 19. _____

20. Roberto deposited \$860 in a new account that earns 6.5% simple interest. After 6 months, how much interest will he have earned?
 F. \$279.50 G. \$55.90 H. \$27.95 I. \$2.80
 20. _____