

Chapter 2 Test - Study Guide

SCORE _____

Write the letter for the correct answer in the blank at the right of each question. (L2-1)

1. What is 138% of 250?
 A. 0.152 B. 345 C. 690 D. 950 1. _____
2. What percent of 80 is 8? (L2-3/L2-4)
 F. 0.1% G. 1% H. 10% I. 72% 2. _____
3. Twenty-four percent of the 25 swim team members are new on the team. How many members are new? (L2-1/L2-3/L2-4)
 A. 6 B. 8 C. 10 D. 12 3. _____

Which is the best estimate for each expression? (L2-2)

4. 49% of 15
 F. 1.5 G. 4 H. 7.5 I. 9 4. _____
5. $\frac{3}{4}\%$ of 387
 A. 300 B. 40 C. 3 D. 0.4 5. _____

Which equation and solution represents each situation? Solutions may be rounded to the nearest tenth. (L2-4)

6. What number is 74% of 58?
 F. $0.74 = n \cdot 58$; 1.3 H. $58 = n \cdot 0.74$; 78.4
 G. $n = 0.74 \cdot 58$; 42.9 I. $n = 74 \cdot 58$; 4,292 6. _____
7. 89% of what number is 14?
 A. $0.89 = n \cdot 14$; 0.1 C. $n = 0.89 \cdot 14$; 12.5
 B. $14 = 89 \cdot n$; 0.2 D. $14 = 0.89 \cdot n$; 15.7 7. _____
8. (L2-3/L2-4) While shopping, Lucinda spent \$48. If the amount she spent was 15% of her savings, how much savings did she have before she shopped?
 F. \$40.80 G. \$55.20 H. \$150 I. \$320 8. _____
9. (L2-6) Yul has lunch at a restaurant. If his bill was \$14.50 and Yul wants to leave a 20% tip, what is the amount he should leave for the tip?
 A. \$2.90 B. \$2.50 C. \$2.00 D. \$1.44 9. _____
10. (L2-7) An aquarium is on sale for \$59.50. If this price represents a 15% discount from the original price, what is the original price to the nearest cent?
 F. \$50.25 G. \$60 H. \$65.75 I. \$70 10. _____

What is each percent of change? Round to the nearest whole percent if necessary. Is the percent of change an increase or decrease? (L2-5)

11. 100 to 150
 A. 50%; decrease C. 33%; increase
 B. 50%; increase D. $\frac{1}{2}$ %; increase
 11. _____

12. \$300 to \$200
 F. 100%; decrease H. 33%; decrease
 G. 50%; decrease I. 33%; increase
 12. _____

13. 30 to 90
 A. 3%; increase C. 200%; increase
 B. 67%; increase D. 300%; increase
 13. _____

What is the total cost or sale price to the nearest cent? (L2-6)

14. \$20 haircut; 15% tip
 F. \$3 G. \$17 H. \$23 I. \$26
 14. _____

15. \$10 lamp; 5% tax
 A. \$0.50 B. \$9.50 C. \$10.50 D. \$15.00
 15. _____

16. \$50 tool set; 10% markup
 F. \$5 G. \$40 H. \$45 I. \$55
 16. _____

What is the simple interest paid to the nearest cent for each principal, interest rate, and time? (L2-8)

17. \$1,000, 5%, 2 years
 A. \$10,000 B. \$1,000 C. \$100 D. \$50
 17. _____

18. \$300, $6\frac{1}{2}$ %, 1 year
 F. \$19.50 G. \$195 H. \$319.50 I. \$1,950
 18. _____

19. \$850, 4%, 6 months
 A. \$2,040 B. \$1,700 C. \$204 D. \$17
 19. _____

20. Chaleah deposited \$900 in a new account that earns 6% simple interest. After 2 years, how much interest will she have earned?
 F. \$54 G. \$108 H. \$540 I. \$1,080
 20. _____