

Test, Form 1A

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

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

Which is the best estimate for each expression?

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

**Which equation and solution represents each situation?
 Solutions may be rounded to the nearest tenth.**

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. **G**
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. **D**
8. 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. **I**
9. 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. **A**
10. 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. **I**

Test, Form 1A (continued)

SCORE _____

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

11. 100 to 150

A. 50%; decrease

B. 50%; increase

C. 33%; increase

D. $\frac{1}{2}$ %; increase11. **B**

12. \$300 to \$200

F. 100%; decrease

G. 50%; decrease

H. 33%; decrease

I. 33%; increase

12. **H**

13. 30 to 90

A. 3%; increase

B. 67%; increase

C. 200%; increase

D. 300%; increase

13. **C**

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

14. \$20 haircut; 15% tip

F. \$3

G. \$17

H. \$23

I. \$26

14. **H**

15. \$10 lamp; 5% tax

A. \$0.50

B. \$9.50

C. \$10.50

D. \$15.00

15. **C**

16. \$50 tool set; 10% markup

F. \$5

G. \$40

H. \$45

I. \$55

16. **I**

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

17. \$1,000, 5%, 2 years

A. \$10,000

B. \$1,000

C. \$100

D. \$50

17. **C** 18. \$300, $6\frac{1}{2}$ %, 1 year

F. \$19.50

G. \$195

H. \$319.50

I. \$1,950

18. **F**

19. \$850, 4%, 6 months

A. \$2,040

B. \$1,700

C. \$204

D. \$17

19. **D**

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. **G**