

**Test, Form 2B**

SCORE \_\_\_\_\_

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

1. What is 3.8% written as a decimal?  
 A. 0.038      B. 0.38      C. 38      D. 380      1. \_\_\_\_\_
  
2. The library surveyed 180 people about their favorite type of movie. If 40% of the people chose action, how many people chose action?  
 F. 180 people    G. 140 people    H. 72 people    I. 40 people      2. \_\_\_\_\_
  
3. The original price of a pair of jeans is \$32. The sale price is 15% off the original price. What is the amount off the original price?  
 A. \$1.75      B. \$4.80      C. \$5.25      D. \$15      3. \_\_\_\_\_
  
4. What is the order of 75%,  $\frac{1}{3}$ ,  $\frac{3}{8}$ , and 0.625 from least to greatest?  
 F.  $\frac{1}{3}$ , 75%,  $\frac{3}{8}$ , 0.625      G.  $\frac{3}{8}$ ,  $\frac{1}{3}$ , 75%, 0.625  
 H.  $\frac{3}{8}$ ,  $\frac{1}{3}$ , 0.625, 75%      I.  $\frac{1}{3}$ ,  $\frac{3}{8}$ , 0.625, 75%      4. \_\_\_\_\_
  
5. What is 14.06 written as a mixed number?  
 A.  $14\frac{6}{10}$       B.  $14\frac{3}{5}$       C.  $14\frac{3}{25}$       D.  $14\frac{3}{50}$       5. \_\_\_\_\_
  
6. Jim has answered 7 E-mails. This is 35% of the E-mails he must answer. How many E-mails does he need to answer?  
 F. 20      G. 13      H. 10      I. 5      6. \_\_\_\_\_
  
7. In a load of laundry, 60% of the socks are white. If there are 25 socks in the load, how many are white?  
 A. 12 socks    B. 15 socks    C. 20 socks    D. 25 socks      7. \_\_\_\_\_
  
8. What is  $4\frac{7}{20}$  written as a decimal?  
 F. 4.28      G. 4.35      H. 4.7      I. 4.45      8. \_\_\_\_\_

**Which is the best estimate of each percent?**

9. 24% of 398  
 A. 10      B. 100      C. 1,000      D. 0.1      9. \_\_\_\_\_
  
10. 48% of 159  
 F. 80      G. 8      H. 0.8      I. 8,000      10. \_\_\_\_\_

# Test, Form 2B *(continued)*

SCORE \_\_\_\_\_

11. Jeff got a  $\frac{23}{25}$  on his first math test, a 93% on his second test, and a 0.89 on his third test. Which of the following orders his scores from least to greatest?  
 A. 0.92, 0.93, 0.89                      C. 0.89, 0.93, 0.92  
 B. 0.93, 0.92, 0.89                      D. 0.89, 0.92, 0.93                      11. \_\_\_\_\_
12. Jessica can swim a lap in  $29\frac{2}{5}$  seconds. Marta can swim a lap in 28.7 seconds. How much faster can Marta swim a lap than Jessica?  
 F. 1.7 seconds    G. 1.5 seconds    H. 0.7 second    I. 0.5 seconds                      12. \_\_\_\_\_
13. What is 12.5% written as a fraction in simplest form?  
 A.  $\frac{125}{1,000}$             B.  $\frac{1}{8}$                       C.  $\frac{3}{25}$                       D.  $\frac{5}{4}$                       13. \_\_\_\_\_
14. What is 0.12% written as a decimal?  
 F. 0.0012            G. 1.2                      H. 12                      I. 120                      14. \_\_\_\_\_
15. What is 255 written as a percent?  
 A. 2.55%            B. 25.5%                      C. 2,550%                      D. 25,500%                      15. \_\_\_\_\_
16. In addition to oxygen, several gasses are in air. Carbon dioxide makes up 0.00039 of air. What is 0.00039 written as a percent?  
 F. 39%                      G. 0.39%                      H. 0.039%                      I. 0.00039%                      16. \_\_\_\_\_

**Find the percent of each number.**

17. 17% of 155                                      18. 24% of 780                                      17. \_\_\_\_\_

**Write each fraction as a percent.**

19.  $\frac{47}{50}$     20.  $\frac{4}{25}$     18. \_\_\_\_\_  
 19. \_\_\_\_\_

**Write each percent as a decimal and as a mixed number or fraction in simplest form.**

21. 165%    21. \_\_\_\_\_
22. 0.65%    22. \_\_\_\_\_
23. During a basketball game, Dallen attempted 20 shots and made 7. He says he made 35% of the shots he took. Is Dallen correct? Explain your reasoning.                      23. \_\_\_\_\_
24. The original price of a DVD is \$11. The sale price is 30% off the original price. What is the sale price of the DVD?                      24. \_\_\_\_\_

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