**Chapter 2 Test Study Guide** SCORE \_\_\_\_\_\_\_\_\_\_

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

 **1.** What is 5.9% written as a decimal?

 **2.** The library surveyed 150 people about their favorite type of movie. If 30% of the people chose action, how many people chose action?

 **3.** In one day at a store, 6% of the sales were from shoes. Write 6% as a decimal.

 **4.** What is the order of 65%, $\frac{2}{3}$, $\frac{7}{8}$, and 0.625 from least to greatest?

 **5.** What is 18.08 written as a mixed number in simplest form?

 **6.** Jim has answered 8 E-mails. This is 40% of the E-mails he must answer. How many E-mails does he need to answer?

 **7.** In a load of laundry, 80% of the socks are white. If there are 20 socks in the load, how many are white?

 **8.** What is $4\frac{3}{20}$ written as a decimal?

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

 **9.** 24% of 198

 **10.** 52% of 179

**1.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**8.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**9.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**10.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 2 Test** *(continued)* SCORE \_\_\_\_\_\_\_\_\_\_

 **11.** Jeff got a $\frac{22}{25} $on his first math test, an 89% on his second test, and a 0.9 on his third test. Order his scores from least to greatest.

 **12.** Jessica can swim a lap in $39\frac{1}{5}$ seconds. Marta can swim a lap in 38.3 seconds. How much faster can Marta swim a lap than Jessica?

 **13.** What is 37.5% written as a fraction in simplest form?

 **14.** What is 0.18% written as a decimal?

 **15.** What is 345 written as a percent?

 **16.** In addition to oxygen, several gasses are in air. Carbon dioxide makes up 0.00058 of air. What is 0.00058 written as a percent?

**Find the percent of each number.**

 **17.** 14% of 100 **18.** 12% of 350

**Write each fraction as a percent.**

 **19.** $\frac{38}{50}$ **20.** $\frac{6}{25}$

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

 **21.** 185%

 **22.** 0.35%

 **23.** During a basketball game, Dallen attempted 20 shots and made 9. He says he made 40% of the shots he took. Is Dallen correct? Explain your reasoning.

 **24.** The original price of a DVD is $14. The sale price is 30% off the original price. What is the sale price of the DVD?

**11.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**16. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**17. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**20. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**21. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**22. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**23. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**24. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**