

**Test  
2**

**End-of-Course Test (continued)**

**Answers**

**Estimate by rounding.**

- 21.  $3.8 \times 9.2$
- 22.  $13\frac{3}{8} \div 5\frac{3}{4}$
- 23. 24% of 22
- 24. A twelve-pack of juice costs \$3.90. An eighteen-pack costs \$5.49. Which is the better buy?

- 21. \_\_\_\_\_
- 22. \_\_\_\_\_
- 23. \_\_\_\_\_
- 24. \_\_\_\_\_

**Write the fraction or decimal as a percent.**

- 25.  $\frac{5}{8}$
- 26. 0.04
- 27.  $\frac{21}{5}$
- 28. 2.12

- 25. \_\_\_\_\_
- 26. \_\_\_\_\_
- 27. \_\_\_\_\_
- 28. \_\_\_\_\_

29. Chris, Mary Beth, and Allison are discussing the number of oranges grown in Florida. Chris says that approximately 14.6% of the world's oranges are grown in Florida, Mary Beth says that 292 out of every 2000 oranges are grown in Florida, and Allison says that 0.146 of the world's oranges are grown in Florida. Who is correct? Explain your reasoning.

- 29. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

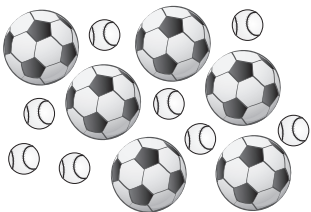
30. Use a number line to order 120%,  $\frac{7}{6}$ , and 1.17 from least to greatest.

- 30. \_\_\_\_\_

31. A pizza shop offers 30% off the price of a large pizza every Tuesday night. If the regular price is \$25.50, what is the discounted price?

- 31. \_\_\_\_\_

32. Write the ratio of baseballs to soccer balls as a fraction in simplest form.



- 32. \_\_\_\_\_

33. You run 5 miles in 1 hour. At this rate, how long will it take you to run a marathon (approximately 26 miles)?

- 33. \_\_\_\_\_

34. Determine the mean, median, mode, and range for the data.

12, 12, 10, 8, 9, 9, 9, 11, 11, 8

- 34. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

35. Katie makes 65% of her shots from the free-throw line. Can you determine how many consecutive free-throws she must make in order to increase her percentage to 68%? Explain.

- 35. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_