

 **Module Test** **A** **Module 12** 

Circle the correct answer for each problem.

- Which is the *most* reasonable unit for measuring the capacity of a bathtub?  
a. pints                      b. milliliters                      c. fluid ounces                      d. liters  
**liters**
- How many grams are in three kilograms?  
a. 3,000                      b. 300                      c. 30                      d. 0.3  
**3,000**
- Which is the *most* appropriate unit for measuring the length of a crayon?  
a. inches                      b. feet                      c. yards                      d. miles  
**inches**
- Which is equivalent to 32 inches?  
a. 3 ft 2 in.                      b. 2 ft 8 in.                      c. 1 yd 2 in.                      d. 1 ft 4 in.  
**2 ft 8 in**
- Which is equivalent to a decade?  
a. 10 days                      b. 1,000 days                      c. 10 years                      d. 1,000 years  
**10 years**

Use a ruler for Problems 6 – 9.

6. Find the length of the line segment to the nearest quarter inch.

\_\_\_\_\_

**$2\frac{1}{4}$  inches**

7. Find the length of the line segment to the nearest millimeter.

\_\_\_\_\_

**127 mm or 12.7 cm**

8. Draw a line segment that is  $6\frac{7}{8}$  inches long.

\_\_\_\_\_

9. Draw a line that is 35 millimeters long.

\_\_\_\_\_

10. Greg bought three decorative rocks for his pond. Their weights are four pounds nine ounces, two pounds eight ounces, and six pounds twelve ounces. What is the total weight of the rocks?

**The rocks weigh 13 lb 13 oz.**

11. Alice cut a two foot six inch piece of wood from a piece that was five feet two inches long. How long is the remaining piece of wood?

**The remaining piece of wood is 2 ft 8 in.**

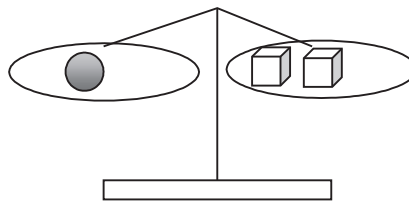
**Fill in the blanks with one of the following words:**

**customary   metric   quarts   pints   weight   mass   one-tenth   ten**

12. The \_\_\_\_\_ system of measurement uses units of inches, pounds, and gallons. **(customary)**
13. An object's \_\_\_\_\_ can vary from one location to another. **(weight)**
14. One gallon is equivalent to four \_\_\_\_\_ . **(quarts)**
15. One hectometer is equivalent to \_\_\_\_\_ kilometer(s). **(one-tenth)**
16. Margo's cat weighs 195 ounces. What is the cat's weight in pounds and ounces?

**Margo's cat weighs 12 lb 3 oz.**

17. The scale shown is balanced. How many balls are needed to balance eight blocks.



**Four balls will balance eight blocks.**

18. Ron went on a camping trip on May 14. He returned one week and five days later. On which day did Ron return?

**Ron returned on May 26.**

19. A movie that is one hour and 47 minutes long started at 7:40 P.M. What time will the movie end? Explain how you found your answer.

**I added one hour to 7:40 P.M. which made the time 8:40 P.M. From 8:40 P.M. until 9:00 P.M. was 20 minutes. That left another 27 minutes, so the movie ended at 9:27 P.M.**

20. Dominique rode her bike for 2 h 15 min. Explain or show how to convert her biking time into seconds.

**Convert 2 hours into seconds:  $2 \cancel{\text{h}} \times \frac{60 \cancel{\text{min}}}{1 \cancel{\text{h}}} \times \frac{60 \text{ sec}}{1 \cancel{\text{min}}} = 7,200 \text{ seconds}.$**

**Then, convert 15 minutes into seconds:  $15 \cancel{\text{min}} \times \frac{60 \text{ sec}}{1 \cancel{\text{min}}} = 900 \text{ sec}.$  Add the**

**times:  $7,200 \text{ sec} + 900 \text{ sec} = 8,100 \text{ seconds}.$  Dominique rode her bike for 8,100 seconds.**

