

 **Module Test** **B** **Module 12** 

Circle the correct answer for each problem.

- Which is the *most* reasonable unit for measuring the mass of a pencil?  
a. cups                      b. grams                      c. kilograms                      d. tons  
**grams**
- How many milliliters are in six liters?  
a. 0.006                      b. 0.06                      c. 600                      d. 6,000  
**6,000**
- Which is the *most* appropriate unit for measuring the height of a tall tree?  
a. millimeters                      b. inches                      c. feet                      d. miles  
**feet**
- Which is equivalent to 14 feet?  
a. 1 yd 2 ft                      b. 1 yd 4 ft                      c. 4 yd 2 ft                      d. 4 yd 6 ft  
**4 yd 2 ft**
- Which is equivalent to a millennium?  
a. 100 days                      b. 1,000 days                      c. 100 years                      d. 1,000 years  
**1,000 years**

Use a ruler for Problems 6 – 9.

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

\_\_\_\_\_

**$3\frac{1}{2}$  inches**

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

\_\_\_\_\_

**102 mm or 10.2 cm**

8. Draw a line segment that is  $5\frac{3}{8}$  inches long.

\_\_\_\_\_

9. Draw a line that is 44 millimeters long.

\_\_\_\_\_

10. George bought three decorative rocks for his pond. Their weights are three pounds ten ounces, five pounds eight ounces, and seven pounds two ounces. What is the total weight of the rocks?

**The total weight of the rocks is 16 lb 4 oz.**

11. Shannon cut a four foot nine inch piece of wood from a piece that was seven feet eight inches long. How long is the remaining piece of wood?

**The remaining piece of wood is 2 ft 11 in.**

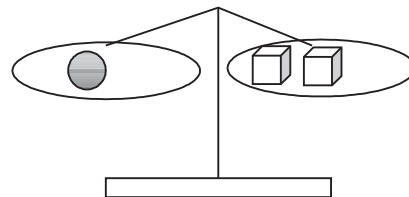
**Fill in the blanks with one of the following words:**

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

12. The \_\_\_\_\_ system of measurement uses units of centimeters, grams, and kiloliters. **(metric)**
13. An object's \_\_\_\_\_ remains the same regardless of location. **(mass)**
14. One quart is equivalent to two \_\_\_\_\_. **(pints)**
15. One kilometer is equivalent to \_\_\_\_\_ hectometer(s). **(ten)**
16. Margo's dog weighs 178 ounces. What is the weight in pounds and ounces?

**Margo's dog weighs 11 lb 2 oz.**

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



**Eight blocks balance four balls.**

18. Tim went on a camping trip on June 12. He returned one week and two days later. On which day did Tim return?

**Tim returned on June 21.**

19. A play that is one hour and 45 minutes long started at 5:25 P.M. What time will the play end? Explain how you found your answer.

**I added one hour to 5:25 P.M. which made the time 6:25 P.M. From 6:25 P.M. until 7:00 P.M. was 35 minutes. That left another 10 minutes, so the movie ended at 7:10 P.M.**

20. Halle was on vacation for two weeks three days. Explain or show how to convert her vacation time into hours.

**Convert 2 weeks into hours:  $2 \cancel{\text{wk}} \times \frac{7 \cancel{\text{days}}}{1 \cancel{\text{week}}} \times \frac{24 \text{ h}}{1 \cancel{\text{day}}} = 336 \text{ h}$ . Then, convert**

**3 days into hours:  $3 \cancel{\text{days}} \times \frac{24 \text{ h}}{1 \cancel{\text{day}}} = 72 \text{ h}$ . Add the times:  $336 \text{ h} + 72 \text{ h} = 408 \text{ h}$ .**

**Halle was on vacation for 408 hours.**

