

**6-4****Study Guide and Intervention****Measurement: Changing Customary Units**

Customary Units		
Length	Weight	Capacity
1 foot (ft) = 12 inches (in.)	1 pound (lb) = 16 ounces (oz)	1 cup (c) = 8 fluid ounces (fl oz)
1 yard (yd) = 3 feet	1 ton (T) = 2,000 pounds	1 pint (pt) = 2 cups
1 mile (mi) = 5,280 feet		1 quart (qt) = 2 pints
		1 gallon (gal) = 4 quarts

**Example 1**  $5\frac{1}{2}$  lb = ? oz

To change from larger units to smaller units, multiply.

$$5\frac{1}{2} \times 16 = 88 \quad \text{Since 1 pound is 16 ounces, multiply by 16.}$$

$$5\frac{1}{2} \text{ pounds} = 88 \text{ ounces}$$

**Example 2** 28 fl oz = ? c

To change from smaller units to larger units, divide.

$$28 \div 8 = 3\frac{1}{2} \quad \text{Since 8 fluid ounces are in 1 cup, divide by 8.}$$

$$28 \text{ fluid ounces} = 3\frac{1}{2} \text{ cups}$$

**Exercises**

**Complete.**

1. 5 lb = \_\_\_\_\_ oz **80**

2. 48 in. = \_\_\_\_\_ ft **4**

3. 6 yd = \_\_\_\_\_ ft **18**

4. 7 qt = \_\_\_\_\_ pt **14**

5. 8,000 lb = \_\_\_\_\_ T **4**

6.  $3\frac{1}{4}$  mi = \_\_\_\_\_ ft **17,160**

7. 4 c = \_\_\_\_\_ fl oz **32**

8. 6 c = \_\_\_\_\_ pt **3**

9.  $\frac{1}{2}$  gal = \_\_\_\_\_ qt **2**

10. 3 ft = \_\_\_\_\_ in. **36**

11. 9 qt = \_\_\_\_\_ gal  **$2\frac{1}{4}$**

12. 30 fl oz = \_\_\_\_\_ c  **$3\frac{3}{4}$**

13. 6,864 ft = \_\_\_\_\_ mi  **$1\frac{3}{10}$**

14. 40 oz = \_\_\_\_\_ lb  **$2\frac{1}{2}$**

15. 9 pt = \_\_\_\_\_ c **18**

16. 18 ft = \_\_\_\_\_ yd **6**

17. 11 pt = \_\_\_\_\_ qt  **$5\frac{1}{2}$**

18.  $2\frac{3}{4}$  T = \_\_\_\_\_ lb **5,500**