REVIEW: Converting Customary Units

Name _____

Key Concept and Vocabulary

Length
1 ft = 12 in.
1 yd = 3 ft
1 mi = 5280 ft

Weight
1 lb = 16 oz
1 ton = 2000 lb

Volume
1 Tbsp = 3 tsp
1 fl oz = 2 Tbsp
1 cup = 16 Tbsp
1 cup = 8 fl oz
1 pt = 2 cups
1 qt = 4 cups
1 gal = 4 qt

Customary Units

Visual Model

gallon

half gallon

quart

pint

cup
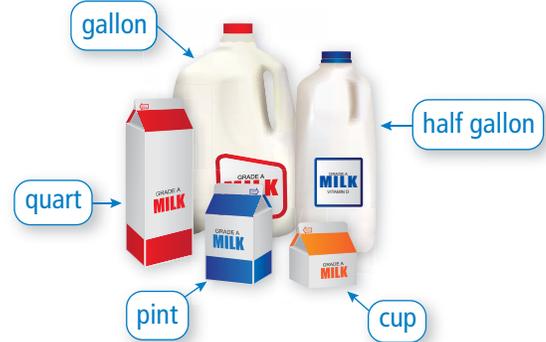
Skill Examples

1. $3 \text{ ft} = 3 \text{ ft} \cdot \dfrac{12 \text{ in.}}{1 \text{ ft}} = 36 \text{ in.}$

2. $1.5 \text{ mi} = 1.5 \text{ mi} \cdot \dfrac{5280 \text{ ft}}{1 \text{ mi}} = 7920 \text{ ft}$

3. $2\dfrac{1}{4} \text{ lb} = 2\dfrac{1}{4} \text{ lb} \cdot \dfrac{16 \text{ oz}}{1 \text{ lb}} = 36 \text{ oz}$

4. $5 \text{ qt} = 5 \text{ qt} \cdot \dfrac{4 \text{ cups}}{1 \text{ qt}} = 20 \text{ cups}$

Application Example

5. A typical SUV weighs about 2.5 tons. How many pounds is that?

$2.5 \text{ tons} = 2.5 \text{ tons} \cdot \dfrac{2000 \text{ lb}}{1 \text{ ton}}$

It is 5000 pounds.

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Check your answers at BigIdeasMath.com.

Complete the unit conversion.

6. 3 mi = __15,840__ ft

7. 3 in. = __$\frac{1}{4}$__ ft

8. $\frac{1}{4}$ mi = __1320__ ft

9. 4 ft = __$1\frac{1}{3}$__ yd

10. 4 ft = __48__ in.

11. 1760 yd = __1__ mi

12. 32 oz = __2__ lb

13. $\frac{3}{4}$ ton = __1500__ lb

14. 2.5 lb = __40__ oz

15. 6 cups = __$1\frac{1}{2}$__ qt

16. 2 cups = __16__ fl oz

17. 64 oz = __$\frac{1}{2}$__ gal

RECIPES Find the number of cups and the number of fluid ounces.

18.

__3__ cups = __24__ fl oz

19.

__2__ cups = __16__ fl oz

20.
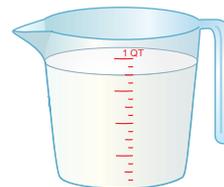
__$3\frac{1}{2}$__ cups = __28__ fl oz

21. **SPEED** A parachutist falls at a speed of about 12 miles per hour. Find this speed in feet per second. __17.6 ft/s__