

REVIEW: Converting Customary Units

Name _____

Key Concept and Vocabulary

Length

$$1 \text{ ft} = 12 \text{ in.}$$

$$1 \text{ yd} = 3 \text{ ft}$$

$$1 \text{ mi} = 1,760 \text{ yd}$$

$$1 \text{ mi} = 5,280 \text{ ft}$$

Weight

$$1 \text{ lb} = 16 \text{ oz}$$

$$1 \text{ ton} = 2,000 \text{ lb}$$

Volume

$$1 \text{ Tbsp} = 3 \text{ tsp}$$

$$1 \text{ fl oz} = 2 \text{ Tbsp}$$

$$1 \text{ c} = 16 \text{ Tbsp}$$

$$1 \text{ c} = 8 \text{ fl oz}$$

$$1 \text{ pt} = 2 \text{ c}$$

$$1 \text{ qt} = 2 \text{ pt}$$

$$1 \text{ gal} = 4 \text{ qt}$$

Customary
units



Visual Model



$$1 \text{ gallon} = 4 \text{ quarts}$$

Skill Examples

1. Convert 3 feet to inches.

$$3 \times 12 = 36$$

There are 36 inches in 3 feet.

2. Convert 16 quarts to gallons.

$$16 \div 4 = 4$$

There are 4 gallons in 16 quarts.

Application Example

3. An SUV weighs 2.5 tons.
How many pounds
does the SUV weigh?



$$2.5 \times 2,000 = 5,000$$

The SUV weighs 5,000 pounds.

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Check your answers at BigIdeasMath.com.

Complete the unit conversion.

4. $2 \text{ c} = \underline{16} \text{ fl oz}$

5. $4 \text{ ft} = \underline{48} \text{ in.}$

6. $3 \text{ T} = \underline{6,000} \text{ lb}$

7. $3 \text{ mi} = \underline{15,840} \text{ ft}$

8. $3\frac{1}{2} \text{ T} = \underline{7,000} \text{ lb}$

9. $2 \text{ gal} = \underline{16} \text{ qt}$

10. $4\frac{2}{3} \text{ yd} = \underline{14} \text{ ft}$

11. $5 \text{ pt} = \underline{80} \text{ fl oz}$

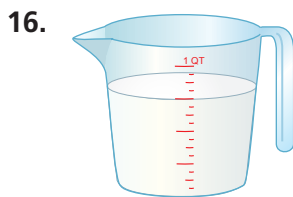
12. $3\frac{1}{4} \text{ qt} = \underline{13} \text{ c}$

13. $32 \text{ oz} = \underline{2} \text{ lb}$

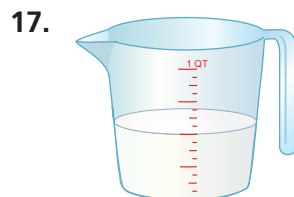
14. $6 \text{ c} = \underline{1\frac{1}{2}} \text{ qt}$

15. $64 \text{ fl oz} = \underline{\frac{1}{2}} \text{ gal}$

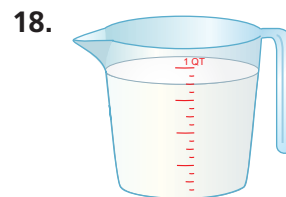
RECIPES Find the number of cups and the number of fluid ounces.



$\underline{3} \text{ c} = \underline{24} \text{ fl oz}$



$\underline{2} \text{ c} = \underline{16} \text{ fl oz}$



$\underline{3\frac{1}{2}} \text{ c} = \underline{28} \text{ fl oz}$

19. **SPEED** A parachutist falls at a speed of about $5\frac{2}{3}$ yards per second.

Find this speed in feet per second. $\underline{17 \text{ feet per second}}$

