

REVIEW: Converting Customary Units

Name _____

Key Concept and Vocabulary

Length

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

Weight

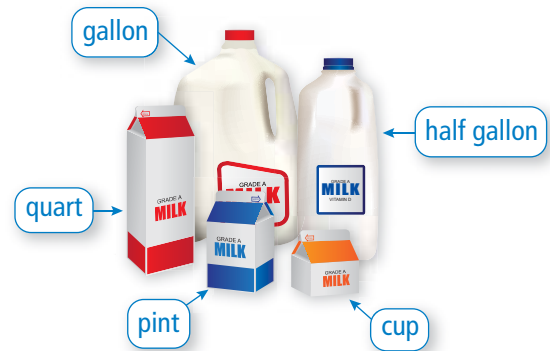
1 lb = 16 oz
1 ton = 2000 lb

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



Visual Model



Skill Examples

- $3 \text{ ft} = 3 \cancel{\text{ft}} \cdot \frac{12 \text{ in.}}{1 \cancel{\text{ft}}} = 36 \text{ in.}$
- $1.5 \text{ mi} = 1.5 \cancel{\text{mi}} \cdot \frac{5280 \text{ ft}}{1 \cancel{\text{mi}}} = 7920 \text{ ft}$
- $2\frac{1}{4} \text{ lb} = 2\frac{1}{4} \cancel{\text{lb}} \cdot \frac{16 \text{ oz}}{1 \cancel{\text{lb}}} = 36 \text{ oz}$
- $5 \text{ qt} = 5 \cancel{\text{qt}} \cdot \frac{4 \text{ cups}}{1 \cancel{\text{qt}}} = 20 \text{ cups}$

Application Example

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



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

It is 5000 pounds.

PRACTICE MAKES PURR-FECT™



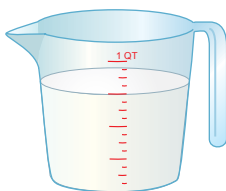
Check your answers at BigIdeasMath.com.

Complete the unit conversion.

- 3 mi = _____ ft
- 3 in. = _____ ft
- $\frac{1}{4}$ mi = _____ ft
- 4 ft = _____ yd
- 4 ft = _____ in.
- 1760 yd = _____ mi
- 32 oz = _____ lb
- $\frac{3}{4}$ ton = _____ lb
- 2.5 lb = _____ oz
- 6 cups = _____ qt
- 2 cups = _____ fl oz
- 64 oz = _____ gal

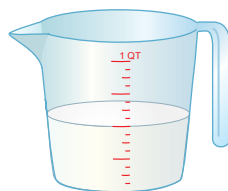
RECIPES Find the number of cups and the number of fluid ounces.

18.



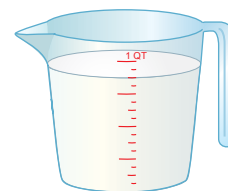
_____ cups = _____ fl oz

19.



_____ cups = _____ fl oz

20.



_____ cups = _____ fl oz

- SPEED** A parachutist falls at a speed of about 12 miles per hour. Find this speed in feet per second. _____

