

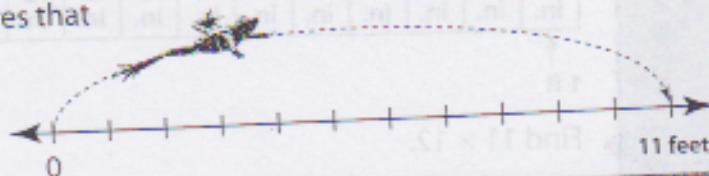
Understand It!

To convert from larger units of measure to smaller units of measure, multiply. To convert from smaller units to larger units, divide.

Converting Customary Units

How do you change from one unit of length to another?

Some frogs can jump 11 feet. What are other measures that can represent the same distance?



Other Examples

$$5 \text{ lb} = \quad \text{oz}$$

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

$$\text{Find } 5 \times 16.$$

$$5 \text{ lb} = 80 \text{ oz}$$

$$20 \text{ qt} = \quad \text{gal}$$

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

$$\text{Find } 20 \div 4.$$

$$20 \text{ qt} = 5 \text{ gal}$$

Length

$$1 \text{ foot} = 12 \text{ inches (in.)}$$

$$1 \text{ yard} = 3 \text{ feet (ft)} = 36 \text{ in.}$$

$$1 \text{ mile (mi)} = 1,760 \text{ yd}$$

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

Capacity

$$1 \text{ gallon} = 4 \text{ quarts (qt)}$$

$$1 \text{ quart} = 2 \text{ pints (pt)}$$

$$1 \text{ pint} = 2 \text{ cups (c)}$$

$$1 \text{ cup} = 8 \text{ fluid ounces (fl oz)}$$

Weight

$$1 \text{ ton (T)} = 2,000 \text{ pounds (lb)}$$

$$1 \text{ lb} = 16 \text{ ounces (oz)}$$

Guided Practice*

Do you know HOW?

In 1 through 3, convert each measurement.

$$1. 9 \text{ ft} = \quad \text{yd}$$

$$2. 9 \text{ lb} = \quad \text{oz}$$

$$3. 12 \text{ fl oz} = \quad \text{c} \quad \text{fl oz}$$

Do you UNDERSTAND?

4. If you want to convert feet to miles, do you multiply or divide?

5. **Writing to Explain** Why would you convert 4 gal 5 qt to 5 gal 1 qt?

Independent Practice

In 6 through 23, convert each measurement.

$$6. 36 \text{ pt} = \quad \text{qt}$$

$$7. 2 \text{ mi} = \quad \text{ft}$$

$$8. 6,000 \text{ lb} = \quad \text{T}$$

$$9. 3 \text{ yd} = \quad \text{in.}$$

$$10. 32 \text{ pt} = \quad \text{gal}$$

$$11. 32 \text{ oz} = \quad \text{lb}$$

$$12. 1 \text{ qt} = \quad \text{gal}$$

$$13. 8 \text{ oz} = \quad \text{lb}$$

$$14. 18 \text{ yd} = \quad \text{in.}$$