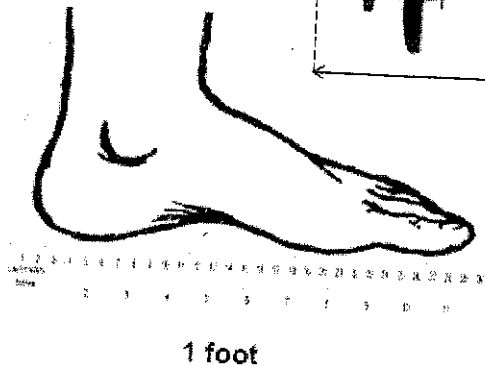
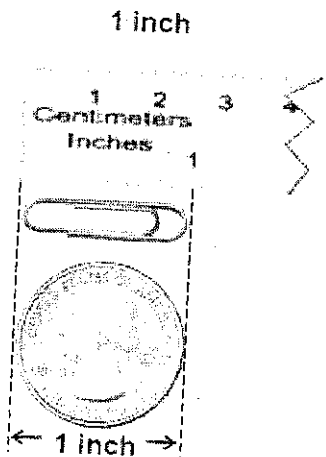


Sec 1.1 - Basic Conversions. Round

Name: _____

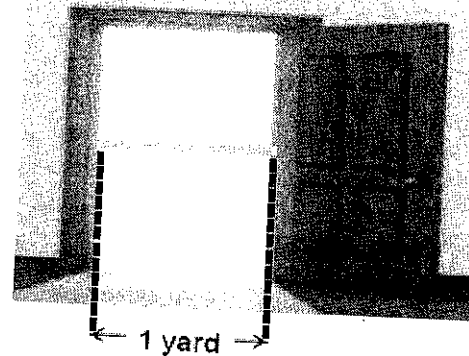
to hundredths!

Common Standard Length Measures:



Decimals

1 mile



Conversions: SMALL

LARGE

$$\frac{12 \text{ inches}}{1 \text{ foot}}$$

$$\frac{3 \text{ feet}}{1 \text{ yard}}$$

$$\frac{5280 \text{ feet}}{1 \text{ mile}}$$

$$\frac{1 \text{ foot}}{12 \text{ inches}}$$

$$\frac{1 \text{ yard}}{3 \text{ feet}}$$

$$\frac{1 \text{ mile}}{5280 \text{ feet}}$$

1. Convert 65 inches to feet.

$$\frac{65 \cancel{\text{in}}}{1} \cdot \frac{1 \cancel{\text{ft}}}{12 \cancel{\text{in}}} = \frac{65}{12} = \underline{5.42 \text{ ft}}$$

2. Convert 9432 feet to miles.

$$\frac{9432 \cancel{\text{ft}}}{1} \cdot \frac{1 \text{ mile}}{5280 \cancel{\text{ft}}} = \frac{9432}{5280} = \boxed{1.79 \text{ mi}}$$

3. Convert 1.3 miles to inches.

$$\frac{1.3 \text{ mile}}{1} \cdot \frac{5280 \cancel{\text{ft}}}{1 \text{ mile}} \cdot \frac{12 \text{ in}}{1 \cancel{\text{ft}}} = \boxed{82368 \text{ in}}$$

4. Convert 32 yards to inches.

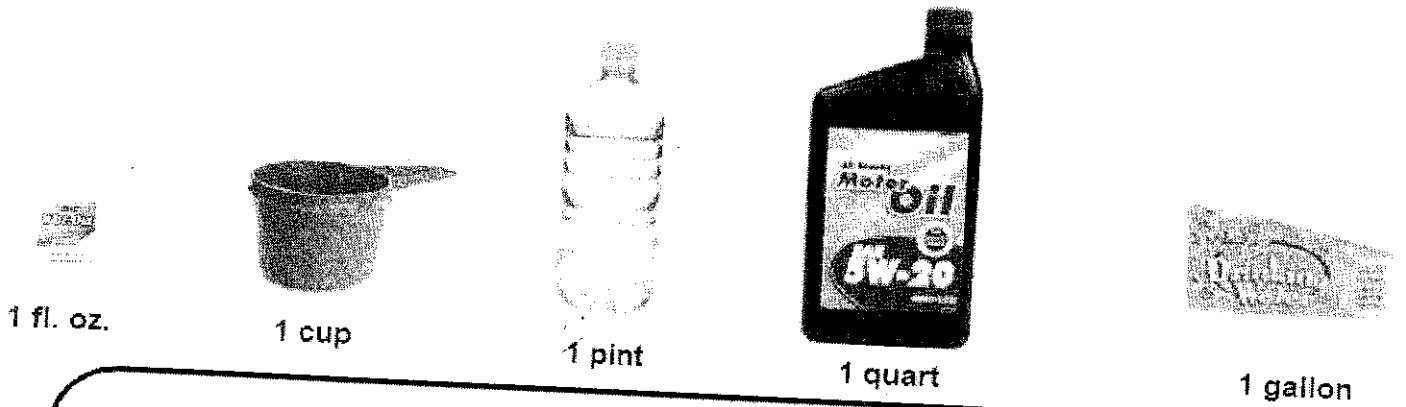
$$\frac{32 \cancel{\text{yd}}}{1} \cdot \frac{3 \cancel{\text{ft}}}{1 \cancel{\text{yd}}} \cdot \frac{12 \text{ in}}{1 \cancel{\text{ft}}} = \boxed{1152 \text{ in}}$$

5. Convert 4790 yards to miles

$$\frac{4790 \cancel{\text{yds}}}{1} \cdot \frac{3 \cancel{\text{ft}}}{1 \cancel{\text{yd}}} \cdot \frac{1 \text{ mile}}{5280 \cancel{\text{ft}}} = \boxed{2.72 \text{ mi}}$$

3

Common Standard Volume and Weight Measures:



Conversions: SMALL		LARGE	
$\frac{8 \text{ fluid ounces}}{1 \text{ cup}}$	$\frac{2 \text{ cups}}{1 \text{ pint}}$	$\frac{2 \text{ pints}}{1 \text{ quart}}$	$\frac{4 \text{ quarts}}{1 \text{ gallon}}$
$\frac{1 \text{ cup}}{8 \text{ fluid ounces}}$	$\frac{1 \text{ pint}}{2 \text{ cups}}$	$\frac{1 \text{ quart}}{2 \text{ pints}}$	$\frac{1 \text{ gallon}}{4 \text{ quarts}}$

1. Convert 42 fluid ounces to cups.

$$\frac{42 \text{ ounces}}{1} \cdot \frac{1 \text{ cup}}{8 \text{ ounces}} = 5.25 \text{ cup}$$

2. Convert 2.8 gallons to pints.

$$\frac{2.8 \text{ gal}}{1} \cdot \frac{4 \text{ quarts}}{1 \text{ gal}} \cdot \frac{2 \text{ pints}}{1 \text{ quart}} = 22.4 \text{ pints}$$

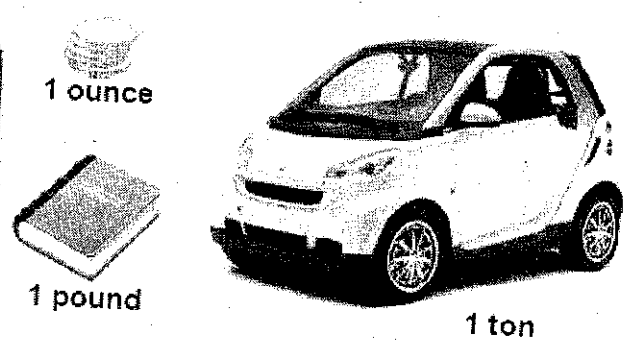
3. Convert 4321 fluid ounces to quarts.

$$\frac{4321 \text{ oz}}{1} \cdot \frac{1 \text{ cup}}{8 \text{ oz}} \cdot \frac{1 \text{ pint}}{2 \text{ cups}} \cdot \frac{1 \text{ quart}}{2 \text{ pints}} = 135.03 \text{ qts}$$

4. Convert 1.3 gallons ~~yards~~ to cups.

$$\frac{1.3 \text{ gal}}{1} \cdot \frac{4 \text{ qts}}{1 \text{ gal}} \cdot \frac{2 \text{ pints}}{1 \text{ qt}} \cdot \frac{2 \text{ cups}}{1 \text{ pint}} = 20.8 \text{ cups}$$

Conversions: SMALL		LARGE	
$\frac{16 \text{ ounces}}{1 \text{ pound}}$	$\frac{2000 \text{ pounds}}{1 \text{ ton}}$		
$\frac{1 \text{ pound}}{16 \text{ ounces}}$	$\frac{1 \text{ ton}}{2000 \text{ pounds}}$		



1. Convert 0.79 tons to pounds.

$$\frac{0.79 \text{ tons}}{1} \cdot \frac{2000 \text{ lbs}}{1 \text{ ton}} = 1580 \text{ lbs}$$

2. Convert 72832 ounces to tons.

$$\frac{72832 \text{ oz}}{1} \cdot \frac{1 \text{ lb}}{16 \text{ oz}} \cdot \frac{1 \text{ ton}}{2000 \text{ lbs}} = 2.28 \text{ tons}$$