

Customary Units of Measuring

1. Fill in the tables with customary units and their conversion factors.

a. LENGTH: $\boxed{\text{inch}} \xrightarrow{\times 12} \boxed{\phantom{\text{unit}}} \xrightarrow{\times} \boxed{\phantom{\text{unit}}} \xrightarrow{\times} \boxed{\phantom{\text{unit}}}$

b. WEIGHT: $\boxed{\phantom{\text{unit}}} \xrightarrow{\times 16} \boxed{\phantom{\text{unit}}} \xrightarrow{\times} \boxed{\phantom{\text{unit}}}$

c. CAPACITY: $\boxed{\text{ounce}} \xrightarrow{\times} \boxed{\text{cup}} \xrightarrow{\times} \boxed{\phantom{\text{unit}}} \xrightarrow{\times} \boxed{\phantom{\text{unit}}} \xrightarrow{\times} \boxed{\phantom{\text{unit}}}$

2. Which conversions went the right way?

a. $2.46 \text{ gal} = 2.46 \times 4 \text{ qt} = 9.84 \text{ qt}$

b. $2.46 \text{ gal} = \frac{2.46}{4} \text{ qt} = 0.615 \text{ qt}$

c. $11 \text{ oz} = 11 \times 16 \text{ lb} = 176 \text{ lb}$

d. $11 \text{ oz} = \frac{11}{16} \text{ lb} = 0.6875 \text{ lb}$

3. Convert to the given unit.

<p>1 foot = _____ inches</p> <p>a. 4 in = _____ ft</p> <p>b. 7 in = _____ ft</p> <p>c. 17 in = _____ ft</p> <p>d. 2 ft = _____ in</p> <p>e. 4 1/2 ft = _____ in</p> <p>f. 7 1/3 ft = _____ in</p>	<p>1 lb = _____ oz</p> <p>g. 5/8 lb = _____ oz</p> <p>h. 3 1/2 lb = _____ oz</p> <p>i. 1 3/4 lb = _____ oz</p> <p>j. 6 oz = _____ lb</p> <p>k. 78 oz = _____ lb _____ oz</p> <p>l. 189 oz = _____ lb _____ oz</p>	<p>1 T = _____ lb</p> <p>m. 1000 lb = _____ T</p> <p>n. 1600 lb = _____ T</p> <p>o. 3400 lb = _____ T</p> <p>p. 2.2 T = _____ lb</p> <p>q. 3.47 T = _____ lb</p> <p>r. 80.9 T = _____ lb</p>
<p>1 quart = _____ cups = _____ ounces</p> <p>A. 2 1/2 qt = _____ c</p> <p>B. 2 3/4 qt = _____ c</p> <p>C. 9 c = _____ qt</p> <p>D. 15 c = _____ qt</p> <p>E. 13 oz = _____ c</p> <p>F. 129 oz = _____ qt _____ c _____ oz</p>	<p>1 gallon = _____ quarts = _____ pints</p> <p>G. 3/4 gal = _____ qt</p> <p>H. 4 1/2 gal = _____ qt</p> <p>I. 60 gal = _____ pt</p> <p>J. 6.794 gal = _____ qt</p> <p>K. 6 qt = _____ gal</p> <p>L. 13 qt = _____ gal</p>	<p>1 mile = _____ yards = _____ feet</p> <p>M. 5 mi = _____ ft</p> <p>N. 1.2 mi = _____ ft</p> <p>O. 0.897 mi = _____ yd</p> <p>P. 4,593 yd = _____ mi</p> <p>Q. 10,293 ft = _____ mi</p> <p>R. 293 ft = _____ mi</p>