

# Units of Measure

## U.S. Customary Unit Conversions

- 1 foot = 12 inches   □ 1 pound = 16 ounces
- 1 yard = 3 feet   □ 1 ton = 2000 pounds
- 1 mile = 5280 feet   □ 1 gallon = 231 cubic inches
- 1 pint = 2 cups   □ 1 cubic foot = 7.48 gallons
- 1 quart = 2 pints   □ 1 cubic yard = 27000 gallons
- 1 gallon = 4 quarts

## Metric System Prefixes

<b>King</b>	<b>Henry</b>	<b>Died</b>	<b>Monday</b>	<b>Drinking</b>	<b>Chocolate</b>	<b>Milk</b>
<b>kilo (k)</b>	<b>hecto (h)</b>	<b>Deka (D)</b>	<b>meter, Liter, gram</b>	<b>deci (d)</b>	<b>centi (c)</b>	<b>milli (m)</b>
1,000	100	10	1	1/10	1/100	1/1,000

## Metric Conversions Specific to Water Weight

- 1 mL = 1 cm<sup>3</sup> = 1 gram   □ 1 kL = 1 m<sup>3</sup> = 1000 kg

## U.S. Customary to Metric Unit Conversions

- 1 inch = 2.54 centimeters   □ 1 Liter = 1.056 quarts
- 1 yard = 0.9 meters   □ 1 ounce = 28 grams
- 1 mile = 1.6 kilometers   □ 1 pound = 0.45 kilograms

## Temperature

$$\square F = 1.8 C + 32$$

$$\square C = (F - 32) \div 1.8$$



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