

United States Customary Units

Length

$$\begin{aligned} 12 \text{ inches (in.)} &= 1 \text{ foot (ft)} \\ \left. \begin{array}{l} 36 \text{ inches} \\ 3 \text{ feet} \end{array} \right\} &= 1 \text{ yard (yd)} \\ \left. \begin{array}{l} 5280 \text{ feet} \\ 1760 \text{ yards} \end{array} \right\} &= 1 \text{ mile (mi)} \end{aligned}$$

Area

$$\begin{aligned} 144 \text{ square inches (in.}^2\text{)} &= 1 \text{ square foot (ft}^2\text{)} \\ 9 \text{ square feet} &= 1 \text{ square yard (yd}^2\text{)} \\ \left. \begin{array}{l} 43,560 \text{ square feet} \\ 4840 \text{ square yards} \end{array} \right\} &= 1 \text{ acre (A)} \end{aligned}$$

Volume

$$\begin{aligned} 1728 \text{ cubic inches (in.}^3\text{)} &= 1 \text{ cubic foot (ft}^3\text{)} \\ 27 \text{ cubic feet} &= 1 \text{ cubic yard (yd}^3\text{)} \end{aligned}$$

Liquid Capacity

$$\begin{aligned} 8 \text{ fluid ounces (fl oz)} &= 1 \text{ cup (c)} \\ 2 \text{ cups} &= 1 \text{ pint (pt)} \\ 2 \text{ pints} &= 1 \text{ quart (qt)} \\ 4 \text{ quarts} &= 1 \text{ gallon (gal)} \end{aligned}$$

Weight

$$\begin{aligned} 16 \text{ ounces (oz)} &= 1 \text{ pound (lb)} \\ 2000 \text{ pounds} &= 1 \text{ ton (t)} \end{aligned}$$

Temperature:

Degrees Fahrenheit (°F)

$$\begin{aligned} 32^\circ\text{F} &= \text{freezing point of water} \\ 98.6^\circ\text{F} &= \text{normal body temperature} \\ 212^\circ\text{F} &= \text{boiling point of water} \end{aligned}$$

Compound units of metric units or U.S. customary units may be formed by multiplication or division.

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|-----------------|---------------------|-----------------|
| Examples | square centimeters | cm ² |
| | cubic yards | yd ³ |
| | kilometers per hour | km/h |
| | feet per minute | ft/min |