

Conversions

US System:

Length	Time
$1 \text{ ft} = 12 \text{ in}$ $1 \text{ yd} = 3 \text{ ft} = 36 \text{ in}$ $1 \text{ mi} = 5280 \text{ ft} = 1760 \text{ yd} = 8 \text{ fur}$ $1 \text{ rod} = 16\frac{1}{2} \text{ ft} = 5\frac{1}{2} \text{ yd}$	$1 \text{ min} = 60 \text{ sec}$ $1 \text{ h} = 60 \text{ min} = 3600 \text{ sec}$ $1 \text{ day} = 24 \text{ hr}$ $1 \text{ year} = 365 \text{ days}$
Area	Volume
$1 \text{ ft}^2 = 144 \text{ in}^2$ $1 \text{ yd}^2 = 9 \text{ ft}^2 = 1296 \text{ in}^2$ $1 \text{ rod}^2 = 30.25 \text{ yd}^2$ $1 \text{ acre} = 160 \text{ rod}^2 = 4840 \text{ yd}^2$ $1 \text{ acre} = 43,560 \text{ ft}^2$ $1 \text{ mi}^2 = 640 \text{ acres}$	$1 \text{ ft}^3 = 1728 \text{ in}^3$ $1 \text{ gal} = 231 \text{ in}^3$ $1 \text{ bu} \approx 2150.42 \text{ in}^3 \approx 1.24446 \text{ ft}^3$ $1 \text{ pt} = 28.875 \text{ in}^3$ $1 \text{ yd}^3 = 27 \text{ ft}^3 = 46,656 \text{ in}^3$ $1 \text{ fl oz} \approx 1.805 \text{ in}^3$ $1 \text{ ft}^3 \approx 7.48052 \text{ gal}$
Liquid Capacity	Weight and Other
$1 \text{ c} = 8 \text{ fl oz}$ $1 \text{ pt} = 2 \text{ c}$ $1 \text{ qt} = 2 \text{ pt} = 4 \text{ c}$ $1 \text{ gal} = 4 \text{ qt}$	$1 \text{ lb} = 16 \text{ oz}$ $1 \text{ ton} = 2000 \text{ lb}$ $1 \text{ atm} = 14.7 \text{ psi}$

Metric System:

Length	Weight/Mass
$1 \text{ cm} = 10 \text{ mm}$ $1 \text{ m} = 100 \text{ cm} = 1000 \text{ mm}$ $1 \text{ km} = 1000 \text{ m}$	$1 \text{ g} = 1000 \text{ mg}$ $1 \text{ kg} = 1000 \text{ g}$ $1 \text{ metric ton} = 1000 \text{ kg}$
Area and Pressure	Volume
$1 \text{ ha} = 10,000 \text{ m}^2$ $1 \text{ kPa} = 1000 \text{ Pa}$	$1 \text{ cm}^3 = 1 \text{ mL} = 1 \text{ cc}$ $1 \text{ L} = 1000 \text{ cm}^3 = 1000 \text{ mL}$

k h da grams
 liters d c m
 meters

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Conversions between the Metric and US Systems:

Length	Weight/Mass
1 in = 2.54 cm 1 ft = 30.48 cm = 0.3048 m 1 yd = 0.9144 m 1 mi = 1.609344 km	1 oz $\approx$ 28.35 g 1 lb $\approx$ 0.4536 kg = 453.6 g 1 T $\approx$ 907.2 kg = 0.9072 metric T
Area	Volume
1 in ² $\approx$ 6.4516 cm ² 1 ft ² $\approx$ 0.09290 m ² 1 yd ² $\approx$ 0.8361 m ²	1 in ³ $\approx$ 16.3871 cm ³ 1 ft ³ $\approx$ 0.0283168 m ³ 1 ft ³ $\approx$ 28.3168 L 1 yd ³ $\approx$ 0.7646 m ³ 1 fl oz $\approx$ 29.574 cm ³ 1 qt $\approx$ 0.94635 L 1 gal $\approx$ 3.7854 L
Temperature	Pressure
F = 1.8C + 32° C = $\frac{5F-160^{\circ}}{9}$	1 psi $\approx$ 6895 Pa = 6.895 kPa 1 psf $\approx$ 47.88 Pa = 0.04788 kPa 1 atm $\approx$ 101.33 kPa

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