

Units of Measurement

Length			
U.S. Unit	Equivalent	Metric Unit	Equivalent
1 foot (ft)	12 inches (in)	1 centimeter (cm)	10 millimeters (mm)
1 yard (yd)	3 feet (ft)	1 meter (m)	100 centimeters (cm)
1 rod (rd)	5.5 yards (yd)	1 kilometer (km)	1,000 meters (m)
1 mile (mi)	1,760 yards (yd)		

Mass			
U.S. Unit	Equivalent	Metric Unit	Equivalent
1 dram (dr)	27.344 grains (gr)	1 kilogram (kg)	1,000 grams (g)
1 ounce (oz)	16 drams	1 tonne (t)	1,000 kilograms
1 pound (lb)	16 ounces		
1 hundredweight (cwt) Long	112 pounds		
1 hundredweight (cwt) Short	100 pounds		
1 ton (long)	2,240 pounds		
1 ton (short)	2,000 pounds		

Area			
U.S. Unit	Equivalent	Metric Unit	Equivalent
1 square foot (ft ²)	144 square inches (in ²)	1 square centimeter (cm ²)	100 square millimeters (mm ²)
1 square yard (yd ²)	9 square feet	1 square meter (m ²)	10,000 square centimeters (cm ²)
1 acre	4,840 square yards (yd ²)	1 hectare	10,000 square meters
1 square mile	640 acres	1 square kilometer	1,000,000 square meters (m ²)

Volume			
U.S. Unit	Equivalent	Metric Unit	Equivalent
1 cubic foot	1,728 cubic inches	1 cubic centimeter (cc)	1 milliliter (ml)
1 cubic yard	27 cubic feet	1 liter (l)	1,000 milliliters
		1 cubic meter (m ³)	1,000 liters

Capacity (liquid and dry measures)			
U.S. Unit	Equivalent	Metric Unit	Equivalent
1 fluidram (fl dr)	60 minims (min)	1 centiliter (cl)	10 milliliters (ml)
1 fluid ounce (fl oz)	8 fluidrams	1 deciliter (dl)	10 centiliters
1 gill (gi)	4 fluid ounces	1 liter (l)	10 deciliters
1 pint (pt)	4 gills	1 decaliter (dal)	10 liters
1 quart (qt)	2 pints	1 hectoliter (hl)	10 decaliters
1 gallon (gal)	4 quarts	1 kiloliter (kl)	10 hectoliters
1 peck (pk)	2 gallons		
1 bushel (bu)	4 pecks		