

## Metric System

### Units of Length

1 kilometer (km)	=	1000 meters (m)
1 meter	=	10 decimeters (dm)
	=	100 centimeters (cm)
	=	1000 millimeters (mm)
1 decimeter	=	10 centimeters
1 centimeter	=	10 millimeters

### Units of Area

1 square meter (m <sup>2</sup> )	=	100 square decimeters (dm <sup>2</sup> )
	=	10,000 square centimeters (cm <sup>2</sup> )
1 square decimeter	=	100 square centimeters
1 are (a)	=	100 square meters
1 hectare (ha)	=	100 ares
1 square kilometer (km <sup>2</sup> )	=	100 hectares

### Units of Volume

1 cubic meter (m <sup>3</sup> )	=	1000 cubic decimeters (dm <sup>3</sup> )
	=	1,000,000 cubic centimeters (cm <sup>3</sup> )
1 cubic decimeter	=	1000 cubic centimeters

### Units of Capacity

1 kiloliter (kL)	=	1000 liters (L)
1 liter	=	1000 milliliters (mL)

### Units of Mass

1 metric ton (t)	=	1000 kilograms (kg)
1 kilogram	=	1000 grams (g)
1 gram	=	1000 milligrams (mg)

## Units of Time

1 century	=	100 years
1 decade	=	10 years
1 year (yr)	=	12 months
	=	52 weeks (plus one or two days)
	=	365 days (366 days in a leap year)
1 month (mo)	=	28, 29, 30, or 31 days
1 week (wk)	=	7 days
1 day (d)	=	24 hours
1 hour (hr)	=	60 minutes
1 minute (min)	=	60 seconds (sec)

## System Equivalents

1 inch	is about	2.5 cm (2.54)
1 kilometer	is about	0.6 mile (0.621)
1 mile	is about	1.6 kilometers (1.609)
1 meter	is about	39 inches (39.37)
1 liter	is about	1.1 quarts (1.057)
1 ounce	is about	28 grams (28.350)
1 kilogram	is about	2.2 pounds (2.205)
1 hectare	is about	2.5 acres (2.47)

## U.S. Customary System

### Units of Length

1 mile (mi)	=	1760 yards (yd)
	=	5280 feet (ft)
1 yard	=	3 feet
	=	36 inches (in.)
1 foot	=	12 inches

### Units of Area

1 square yard (yd <sup>2</sup> )	=	9 square feet (ft <sup>2</sup> )
	=	1296 square inches (in. <sup>2</sup> )
1 square foot	=	144 square inches
1 acre	=	43,560 square feet
1 square mile (mi <sup>2</sup> )	=	640 acres

### Units of Volume

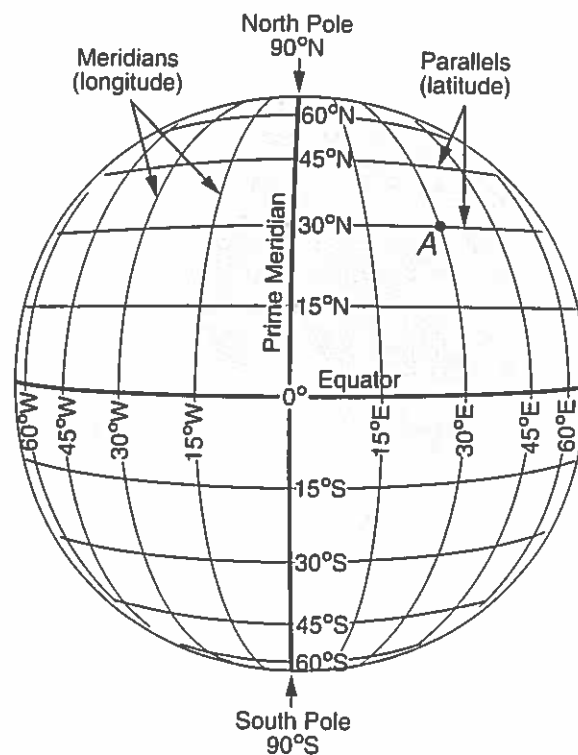
1 cubic yard (yd <sup>3</sup> )	=	27 cubic feet (ft <sup>3</sup> )
1 cubic foot	=	1728 cubic inches (in. <sup>3</sup> )

### Units of Capacity

1 gallon (gal)	=	4 quarts (qt)
1 quart	=	2 pints (pt)
1 pint	=	2 cups (c)
1 cup	=	8 fluid ounces (fl oz)
1 fluid ounce	=	2 tablespoons (tbs)
1 tablespoon	=	3 teaspoons (tsp)

### Units of Weight

1 ton (T)	=	2000 pounds (lb)
1 pound	=	16 ounces (oz)



Point A is located at 30°N latitude and 30°E longitude.