

Tables and Charts

Metric System

Units of Length

1 kilometer (km) = 1,000 meters (m)
 1 meter = 10 decimeters (dm)
 = 100 centimeters (cm)
 = 1,000 millimeters (mm)
 1 decimeter = 10 centimeters
 1 centimeter = 10 millimeters

Units of Area

1 square meter (m²) = 100 square decimeters (dm²)
 = 10,000 square centimeters (cm²)
 1 square decimeter = 100 square centimeters
 1 square kilometer (km²) = 1,000,000 square meters

Units of Volume

1 cubic meter (m³) = 1,000 cubic decimeters (dm³)
 = 1,000,000 cubic centimeters (cm³)
 1 cubic decimeter = 1,000 cubic centimeters

Units of Capacity and Liquid Volume

1 kiloliter (kL) = 1,000 liters (L)
 1 liter = 1,000 milliliters (mL)
 1 cubic centimeter = 1 milliliter

Units of Mass

1 metric ton (t) = 1,000 kilograms (kg)
 1 kilogram = 1,000 grams (g)
 1 gram = 1,000 milligrams (mg)

U.S. Customary System

Units of Length

1 mile (mi) = 1,760 yards (yd)
 = 5,280 feet (ft)
 1 yard = 3 feet
 = 36 inches (in.)
 1 foot = 12 inches

Units of Area

1 square yard (yd²) = 9 square feet (ft²)
 = 1,296 square inches (in.²)
 1 square foot = 144 square inches
 1 acre (a.) = 43,560 square feet
 1 square mile (mi²) = 640 acres

Units of Volume

1 cubic yard (yd³) = 27 cubic feet (ft³)
 1 cubic foot = 1,728 cubic inches (in.³)

Units of Capacity and Liquid Volume

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) = 2,000 pounds (lb)
 1 pound = 16 ounces (oz)

System Equivalents

1 inch is about 2.5 centimeters (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)

Units of Time

1 century (cent) = 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)



three hundred twenty-eight