

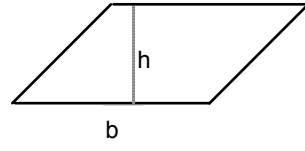
Formulas

Area

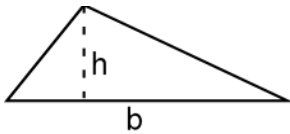
Rectangle $A = l \cdot w$



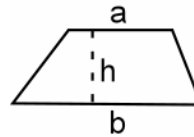
Parallelogram $A = b \cdot h$



Triangle $A = \frac{1}{2} \cdot b \cdot h$



Trapezoid $A = \frac{1}{2} \cdot h \cdot (a + b)$ or $A = \frac{a + b}{2} \cdot h$

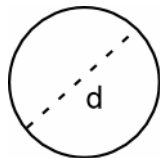


Circle: $A = \pi \cdot r \cdot r$ or $A = \pi \cdot r^2$



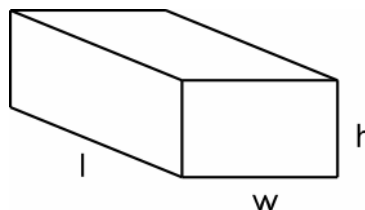
Circumference

Circle: $C = \pi \cdot d$ ($\pi = 3.14$)



Volume

Rectangular Solid: $V = l \cdot w \cdot h$



Unit Conversion Data Sheet

Metric Mental Conversion Charts

1000 m	100 m	10 m	1 m	0.1 m	0.01 m	0.001 m
1 km	1 hm	1 dam	1 m	1 dm	1 cm	1 mm

Length in meters (m)

1000 g	100 g	10 g	1 g	0.1 g	0.01 g	0.001 g
1 kg	1 hg	1 dag	1 g	1 dg	1 cg	1 mg

Mass in grams (g)

1000 L	100 L	10 L	1 L	0.1 L	0.01 L	0.001 L
1 kL	1 hL	1 daL	1 L	1 dL	1 cL	1 mL

Capacity in liters (L)

American Linear Units

12 inches (in.) = 1 foot (ft)

36 inches = 1 yard (yd)

3 feet = 1 yard

5280 feet = 1 mile (mi)

Mixed Units

1 in. = 2.540 cm 0.621 mi = 1 km

1 ft = 0.305 m 1.094 yd = 1 m

1 yd = 0.914 m 3.281 ft = 1 m

1 mi = 1.609 km 39.370 in = 1 m

1 fluid ounce (fl oz) = 29.57 mL

American Weight Units

1 ton (T) = 2000 pounds (lb)

1 lb = 16 ounces (oz)

Metric Mixed Capacity

1 mL = 1 cm³ = 1 cc

American Capacity Units

1 gallon (gal) = 4 quarts (qt)

1 qt = 2 pints (pt)

1 pt = 2 cups

1 pt = 16 fluid ounces (fl oz)

1 cup = 8 fl oz

Time Units

1 day = 24 hours (hr)

1 hr = 60 minutes (min)

1 min = 60 seconds (sec)

1 year = 365¼ days

1 week (wk) = 7 days