

Length

Metric:

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

Customary:

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

Metric/Customary:

2.54 centimeters (cm)	1	inch (in)
1 meter (m)	1.09	yards (yd)
1.61 kilometers (km)	1	mile (mi)

Capacity and Volume

Metric:

1 liter (L)	1000	milliliters (mL)
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1 cubic centimeter (cc or cm ³)	1	milliliter (mL)
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Customary:

1 cup (c)	8	fluid ounces (fl. oz.)
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1 pint (pt)	2	cups (c)
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1 quart (qt)	2	pints (pt)
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1 gallon (gal)	128	fluid ounces (fl. oz.)
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1 gallon (gal)	4	quarts (qt)
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Metric/Customary:

3.785 liters (L)	1	gallon (gal)
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Mass and Weight		
Metric:		
1 kilogram (kg)	1000	grams (g)
1 gram (g)	1000	milligrams (mg)
Customary:		
1 pound (lb)	16	ounces (oz)
1 ton (T)	2000	pounds (lb)
Metric/Customary:		
1 kilogram (kg)	2.205	pounds (lb)

Time

1 minute (min)	60	seconds (sec)
1 hour (hr)	60	minutes (min)
1 day	24	hours (hr)
1 week	7	days
1 year (yr)	52	weeks
1 year (yr)	12	months (mo)
1 year (yr)	365	days

Other:

Simple Interest	Simple Interest	$I = prt$
Perimeter	Triangle	$P = a + b + c$
Perimeter	Rectangle	$P = 2l + 2w$ $P = 2(l + w)$
Circumference	Circle	$C = 2\pi r$ or $C = \pi d$
Area	Rectangle	$A = lw$
Area	Parallelogram	$A = bh$
Area	Triangle	$A = \frac{1}{2}bh$
Area	Trapezoid	$A = \frac{1}{2}(b_1 + b_2) \cdot h$
Area	Circle	$A = \pi r^2$
Volume	Rectangular prism	$V = lwh$
Theorem	Pythagorean Theorem	$a^2 + b^2 = c^2$
Distance	Formulas concerning distance	$D = rt, t = \frac{D}{r}, r = D/t$
Temperature	Formulas concerning temperature	$F = \frac{9}{5}C + 32$ $C = \frac{5}{9}(F - 32)$
Variation	Direct	$y = kx$
Variation	Inverse	$y = \frac{k}{x}$
Algebra	Quadratic Formula	$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
Algebra	Vertex Formula	$\left(-\frac{b}{2a}, f\left(-\frac{b}{2a}\right)\right)$
Algebra	Slope Formula	$m = \frac{y_2 - y_1}{x_2 - x_1}$
Equation Form	Slope-Intercept Form	$y = mx + b$
Equation Form	Point-Slope Form	$y - y_1 = m(x - x_1)$
Equation Form	Standard Form	$Ax + By = C$