

Length	Weight
1 ft = 12 in.	1 lb = 16 oz
1 yd = 3 ft = 36 in.	1 ton = 2000 lb
1 rod (rd) = $16\frac{1}{2}$ ft	
1 mi = 5280 ft = 1760 yd	
Liquid Capacity	Area
1 tablespoon (T) = 3 teaspoons (t)	1 sq ft = 144 sq in.
1 fluid ounce (fl oz) = 2 T	1 sq yd = 9 sq ft = 1296 sq in.
1 measuring cup = 8 fl oz	1 sq rod = 30.25 sq yd
1 pint (pt) = 2 cups = 16 fl oz	1 acre = 160 sq rod = 4840 sq yd
1 qt = 2 pt	1 acre = 43,560 sq ft
1 gal = 4 qt	1 sq mi = 640 acres
Volume	Time
1 cu ft = 1728 cu in.	1 min = 60 sec
1 gal = 231 cu in.	1 hr or 1 h = 60 min = 3600 sec
1 bu = 2150.42 cu in.	1 day = 24 hr
1 pt = 28.875 cu in.	
1 cu yd = 27 cu ft = 46,656 cu in.	
1 cu ft \approx 7.48 gal	
1 fl oz = 1.805 cu in.	

$$a_n = a_1 + d(n - 1)$$

$$S_n = \frac{n}{2}(a_1 + a_n)$$

$$a_n = a_1 r^{n-1}$$

$$S_n = \frac{a_1(1 - r^n)}{1 - r}$$

Simple Interest: $I = Prt$

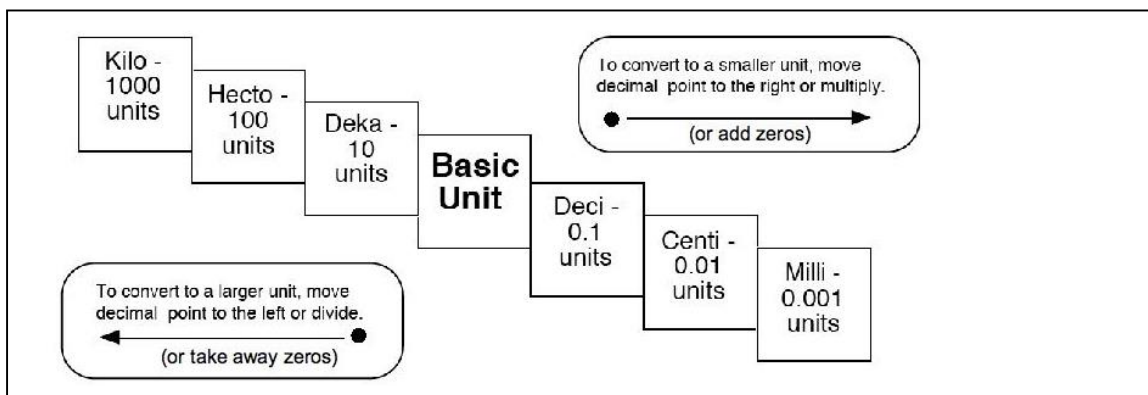
Calculating the amount for compound interest paid n times per year: $A = P(1 + \frac{r}{n})^{nt}$

Calculating the amount for compounding continuously: $A = Pe^{rt}$

Loan Payment Formula (for homes, cars, etc.) You can also use the APPS on your Graphing Calculator.

$$PMT = \frac{P(\frac{r}{n})}{[1 - (1 + \frac{r}{n})^{-nt}]}$$

Metric–Metric		Metric–English
Length		
1 cm = 10 mm	(10 millimeters)	1 in. = 2.54 cm
1 m = 100 cm = 1000 mm		1 ft = 30.48 cm
1 km = 1000 m		1 yd = 0.9144 m
		1 mi ≈ 1.6093 km
Weight/Mass		
1 mg = 1000 μg	(1000 micrograms)	1 oz = 28.35 g
1 g = 1000 mg		1 lb = 0.4536 kg
1 kg = 1000 g		1 T = 907.2 kg
1 metric ton = 1000 kg		
Area		
1 ha = 10,000 sq m (m ²)		1 sq in. (in. ²) ≈ 6.452 sq cm (cm ²)
		1 sq ft (ft ²) ≈ 0.0929 sq m (m ²)
		1 sq yd (yd ²) ≈ 0.836 sq m
Volume		
1 mL = 1000 μL		1 cu in. (in. ³) ≈ 16.387 cu cm (cm ³)
1 cu cm (cm ³) = 1 mL	(1 milliliter)	1 cu yd (yd ³) ≈ 0.765 cu m (m ³)
1 liter (L) = 1000 cu cm		1 fluid ounce ≈ 29.574 mL
		1 qt ≈ 0.946 liter
		1 gal ≈ 3.785 liters



$$A = A_0 2^{\frac{t}{a}} \quad A_0 e^{kt} \quad A = A_0 \left(\frac{1}{2} \right)^{\frac{t}{h}}$$

Volume of Cylinder: $V = \pi r^2 h$

Volume of Cone: $V = \frac{1}{3} \pi r^2 h$

Volume of Pyramid: $V = \frac{1}{3} B h$

Area of Trapezoid: $A = \left(\frac{b_1 + b_2}{2} \right) h$