

Formula Sheet

Area and Circumference

Triangle $A = \frac{1}{2}bh$

Parallelogram $A = bh$

Trapezoid $A = \frac{1}{2}(b_1 + b_2)h$

Circle $C = 2\pi r$

$$A = \pi r^2$$

A = area

b = base

h = height

C = circumference

r = radius

Volume

Prism/Cylinder $V = Bh$

Pyramid/Cone $V = \frac{1}{3}Bh$

Sphere $V = \frac{4}{3}\pi r^3$

V = volume

B = area of base

h = height

r = radius

Distance, Rate, and Time

$$d = rt$$

d = distance

r = rate

t = time

1 yard = 3 feet

1 mile = 5,280 feet

1 meter = 1,000 millimeters

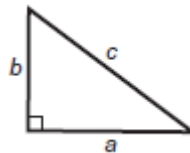
1 meter = 100 centimeters

1 kilometer = 1,000 meters

Pythagorean Theorem

In a right triangle with side lengths of a , b , and c :

$$a^2 + b^2 = c^2$$



Capacity, Weight, and Mass

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 liter = 1,000 milliliters

1 pound = 16 ounces

1 gram = 1,000 milligrams

1 kilogram = 1,000 grams
