

Conversions and Formulas You Need to Know

Metric:

1 kilometer = 1000 meters

1000 millimeters = 1 meter

10 millimeters = 1 centimeter

100 centimeters = 1 meter

1 kilogram = 1000 grams

1000 milligrams = 1 gram

1 kiloliter = 1000 liters

1000 milliliters = 1 liter

1 cubic centimeter (1 cm^3 or 1 cc) = 1 milliliter

English/American:

8 fluid ounces = 1 cup

2 cups = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

16 ounces = 1 pound

2000 pounds = 1 Ton **

1 foot = 12 inches

1 yard = 3 feet

1 mile = 5280 feet **

1 minute = 60 seconds

1 hour = 60 minutes

1 day = 24 hours

1 week = 7 days

Formulas for Chapter 8:

Perimeter:

Rectangle: $P = 2L + 2W$

Circumference:

Circle: $C = 2 \cdot \pi \cdot r$ or $C = \pi \cdot d$

where r = radius; d = diameter

Area:

Rectangle: $A = b \cdot h$

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

Volume:

Rectangular Solid: $V = L \cdot W \cdot H$

Circular Cylinder: $V = \pi \cdot r^2 \cdot h$

** There two conversions you do not need to memorize. Just be able to work with them in problems.