Grade 7 Mathematics Reference Sheet

CONVERSIONS

1 yard = 3 feet1 mile = 5,280 feet 1 cup = 8 fluid ounces 1 pint = 2 cups1 quart = 2 pints 1 gallon = 4 quarts

1 pound = 16 ounces 1 ton = 2,000 pounds

CONVERSIONS ACROSS MEASUREMENT SYSTEMS

1 inch = 2.54 centimeters 1 meter = 39.37 inches

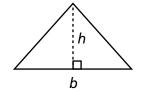
1 mile = 1.609 kilometers

1 kilometer = 0.6214 mile

1 gallon = 3.785 liters 1 liter = 0.2642 gallon 1 pound = 0.454 kilogram 1 kilogram = 2.2 pounds

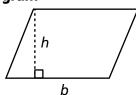
FORMULAS AND FIGURES

Triangle



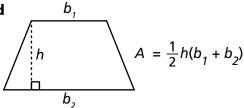
$$A = \frac{1}{2}bh$$

Parallelogram

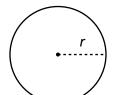


$$A = bh$$

Trapezoid



Circle



$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$

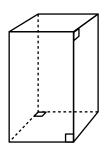
Simple Interest

I = prtwhere I is interest, p is principal, r is rate, and t is time

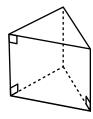
General Prism

V = Bh

Right Rectangular Prism



Right Triangular Prism



Right Rectangular Pyramid

