

Maryland Comprehensive Assessment Program



Mathematics Assessment

Grade 6 Reference Sheet

Conversions

1 mile = 5280 feet
 1 mile = 1760 yards
 1 mile = 1.609 kilometers

1 kilometer = 0.62 mile
 1 meter = 39.37 inches
 1 inch = 2.54 centimeters

1 pound = 16 ounces
 1 pound = 0.454 kilograms

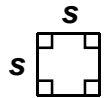
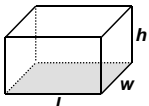
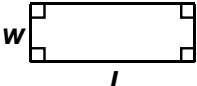
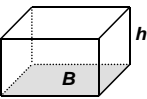
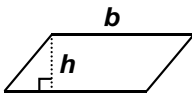
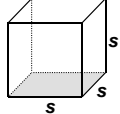
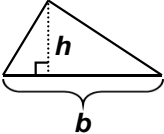
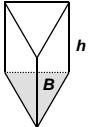
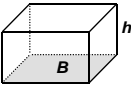
1 ton = 2000 pounds
 1 kilogram = 2.2 pounds

1 cup = 8 fluid ounces
 1 pint = 2 cups
 1 quart = 2 pints

1 gallon = 4 quarts
 1 gallon = 3.785 liters
 1 liter = 0.264 gallons

1 liter = 1000 cubic centimeters

Formulas

Area (A)			Volume (V) and Surface Area (SA)		
Name	Shape	Formula	Name	Shape	Formula
Square		$A = s^2$	Right Rectangular Prism		$V = lwh$ or $V = Bh$
Rectangle		$A = lw$			$SA = 2lw + 2hw + 2lh$
Parallelogram		$A = bh$	Cube		$V = s^3$ $SA = 6s^2$
Triangle		$A = \frac{1}{2}bh$ or $A = \frac{bh}{2}$	General Prism		$V = Bh$
					$SA = \text{Sum of the areas of the faces}$