

Maryland Comprehensive Assessment Program



Mathematics Assessment

Grade 7 Reference Sheet

Conversions

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

1 pound = 16 ounces
 1 pound = 0.454 kilograms

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

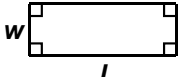
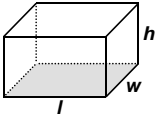
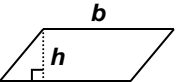
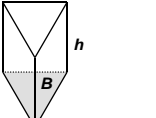
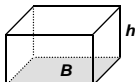
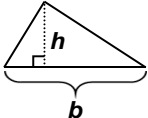
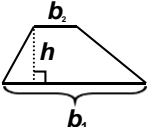
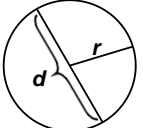
1 liter = 1000 cubic centimeters

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

1 ton = 2000 pounds
 1 kilogram = 2.2 pounds

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

Formulas

Area (A) and Circumference (C)			Volume (V) and Surface Area (SA)		
Name	Shape	Formula	Name	Shape	Formula
Rectangle		$A = lw$	Right Rectangular Prism		$V = lwh$ $SA = 2lw + 2hw + 2lh$
Parallelogram		$A = bh$	General Prism	 	$V = Bh$ $SA = \text{Sum of the areas of the faces}$
Triangle		$A = \frac{1}{2}bh$			
Trapezoid		$A = \frac{1}{2}(b_1 + b_2)h$			
Circle		$A = \pi r^2$ $C = 2\pi r$ $C = \pi d$			