



## Grade 8 Mathematics Formula Sheet

Below are formulas you may find useful as you work the problems. However, some of the formulas may not be used. You may refer to this page as you take the test.

Area of a Triangle $A = \frac{1}{2}bh$	Volume of a Prism $V = Bh$
Area of a Parallelogram $A = bh$	Volume of a Cylinder $V = \pi r^2h$
Area of a Circle $A = \pi r^2$	Volume of a Sphere $V = \frac{4}{3}\pi r^3$
Circumference of a Circle $C = \pi d$ or $C = 2\pi r$	Volume of a Cone $V = \frac{1}{3}\pi r^2h$
	Pythagorean Theorem $a^2 + b^2 = c^2$

### Unit Conversions

1 mile = 5,280 feet	1 cup = 8 fluid ounces
1 mile = 1,760 yards	1 pint = 2 cups
1 pound = 16 ounces	1 quart = 2 pints
1 ton = 2,000 pounds	1 gallon = 4 quarts
	1 milliliter = 1 cubic centimeter