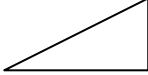
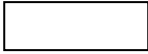

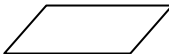
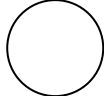


## K-6 Mathematics Reference Sheet

Area		
	Triangle	$A = \frac{1}{2}bh$
	Rectangle	$A = lw$
	Trapezoid	$A = \frac{1}{2}h(b_1 + b_2)$
	Parallelogram	$A = bh$
	Circle	$A = \pi r^2$

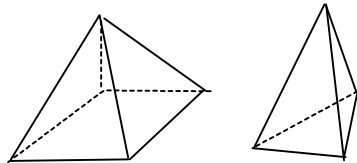
KEY	
$b$ = base	$d$ = diameter
$h$ = height	$r$ = radius
$l$ = length	$A$ = area
$w$ = width	$C$ = circumference
$S.A.$ = surface area	$V$ = volume
	$B$ = area of base
Use 3.14 or $\frac{22}{7}$ for $\pi$	

### Circumference

$$C = \pi d = 2\pi r$$

### Surface Area

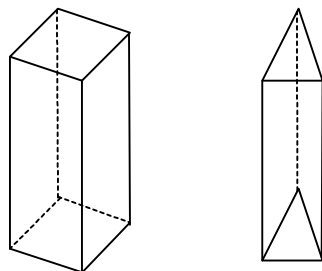
- Surface area of a prism or pyramid equals the sum of the areas of all faces.



### Volume

- Volume of a triangular or rectangular prism equals the Area of the Base ( $B$ ) times the height ( $h$ ).

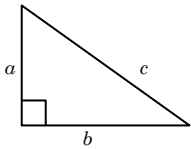
$$V = Bh$$



- 
- 
2. Volume of a pyramid equals  $\frac{1}{3}$  times the Area of the Base ( $B$ ) times the height ( $h$ ).

$$V = \frac{1}{3}Bh$$

**Pythagorean theorem:**  $a^2 + b^2 = c^2$



## Conversions

1 yard = 3 feet = 36 inches  
1 mile = 1,760 yards = 5,280 feet  
1 acre = 43,560 square feet  
1 hour = 60 minutes  
1 minute = 60 seconds

1 liter = 1000 milliliters = 1000 cubic centimeters  
1 meter = 100 centimeters = 1000 millimeters  
1 kilometer = 1000 meters  
1 gram = 1000 milligrams  
1 kilogram = 1000 grams

1 cup = 8 fluid ounces  
1 pint = 2 cups  
1 quart = 2 pints  
1 gallon = 4 quarts  
1 pound = 16 ounces  
1 ton = 2,000 pounds

Metric numbers with four digits are presented without a comma (e.g., 9960 kilometers).  
For metric numbers greater than four digits, a space is used instead of a comma (e.g., 12 500 liters).