

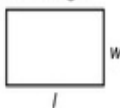
Pre-Algebra Reference Sheet

Circle



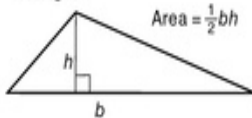
Area = πr^2
Circumference = $2\pi r$
Circumference = πd

Rectangle



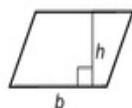
Area = lw
Perimeter = $2l + 2w$

Triangle



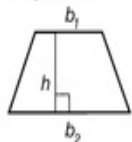
Area = $\frac{1}{2}bh$

Parallelogram



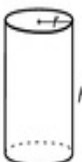
Area = bh

Trapezoid



Area = $\frac{1}{2}h(b_1 + b_2)$

Cylinder



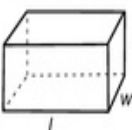
Volume = $\pi r^2 h$
Surface Area = $2\pi r^2 + 2\pi rh$

Cube



Volume = s^3
Surface Area = $6s^2$

Rectangular Prism



Volume = lwh
Surface Area = $2lw + 2lh + 2wh$

Definitions

MEAN:	The sum of a set of numbers divided by the number of elements in the set.
MEDIAN:	The middle number or average of the two middle numbers in a collection of data when the data are arranged in order.
MODE:	The number or numbers that occur most often in a collection of data.
RANGE:	The difference between the greatest and the least numbers in a collection of data.
REFLECTION OR FLIP:	A mirror image of a figure across a line of symmetry.
TRANSLATION OR SLIDE:	A change in position of a figure. All points in the figure move in the same direction for the same distance.
ROTATION OR TURN:	Turning a figure clockwise or counterclockwise about a point.

DISTANCE

TRAVELED: distance = rate \times time

Customary Conversions

8 ounces = 1 cup
2 cups = 1 pint
2 pints = 1 quart
4 quarts = 1 gallon
8 pints = 1 gallon
3 teaspoons = 1 tablespoon
16 tablespoons = 1 cup
16 ounces = 1 pint
16 ounces = 1 pound
5280 feet = 1 mile

Metric Conversions

kilo-	hecto-	deka-	UNIT	deci-	centi-	milli-
k	h	da	meter (m) liter (l) gram (g)	d	c	m