The perimeter is the sum of the lengths of all the sides of a figure.

The area is the amount of space enclosed by a two-dimensional figure measured in units squared.

The surface area of a solid is the sum of the areas of the surfaces of a three-dimensional figure.

The **volume** is the amount of space occupied by a three-dimensional figure measured in units cubed.

The radius r of a circle is the line segment that extends from the center of the circle to any point on the circle.

The diameter of a circle is any line segment that extends from one point on the circle through the center to a second point on the circle. The diameter is two times the length of the radius, d=2r.

In circles, we use the term circumference to mean the perimeter.

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Circle		Parallelogram	Trapezoid .		Triangle	Rectangle	Square	Plane Figures
a + x	$a \begin{pmatrix} 1 \\ 1 \\ h \end{pmatrix} a$	<i>b</i>	a / i	$\frac{a}{b}$	->	I H	50	A desirate a manual
Area: $A = \pi r^2$ Circumference: $C = 2\pi r = \pi d$	Perimeter: $P = 2a + 2b$	Perimeter: $P = a + b + c + B$ Area: $A = bh$	Area: $A = \frac{1}{2}h(B+b)$	Perimeter: $P = a + b + c$	Area: $A = \frac{1}{2}bh$	Area: $A = lw$ Perimeter: $P = 2l + 2w$	Area: $A = s^2$ Perimeter: $P = 4s$	Formulas
	Cone $\begin{pmatrix} \frac{1}{r-1} \end{pmatrix}^{r}$	Right Circular Cylinder $ \underbrace{ - \underbrace{ - \underbrace{ + }_{c\frac{1}{2}} }_{r\frac{1}{2}} h $	Spirit S	Support	Rectangular Solid 11"	S	Solids	
	Volume: $V = \frac{1}{3}\pi r^2 h$	Volume: $V = \pi r^2 h$ Surface Area: $S = 2\pi r^2 + 2\pi rh$	3 Surface Area: $S = 4\pi r^2$	Volume: $V = -\pi r^3$	Volume: $V = lwh$ Surface Area: $S = 2lw + 2lh + 2wh$	Surface Area: $S = 6s^2$	Formulas Volume: $V = s^3$	