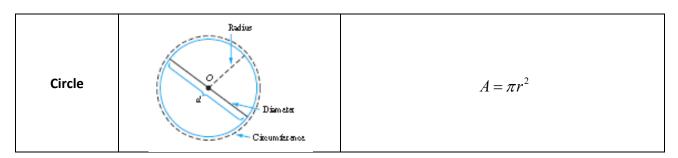
Geometry: Area and Volume

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		Area:
TYPE	FIGURE	The number of square units enclosed within the polygon.
Rectangle	T T	A = lw
Square	5	$A = s^2$
Triangle	٠	$A = \frac{1}{2}bh$
Parallelogram	s h	A = bh
Trapezoid	5 ₁ h 5 ₂	$A = \frac{1}{2}h(b_1 + b_2)$



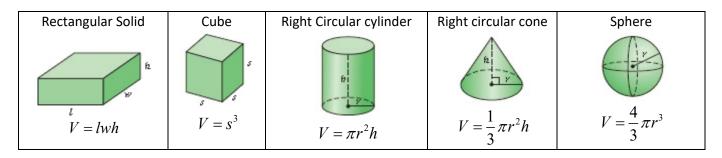
TRY:

What is the area of a triangle with base 8" and height 12.6"?

What is the area of a parallelogram with base 8" and height 12.6"?

The price of a large 12"-diameter pepperoni pizza is \$14.99. How much does each square inch of pizza cost to the nearest penny? (Use 3.14 for π .)

The amount of space contained in a **solid** three-dimensional object is known as **volume**. Volume is measured in **cubic** units.



TRY:

What is the volume of water a rectangular fish tank can hold that is 17 inches high, 8 inches wide, and 10 inches deep?

How many cubic centimeters of water can a can hold that is 15 cm high and has a radius of 4.5 cm? (Use 3.14 for π .)

What is the volume of a beach ball that has a 16" diameter? (Use 3.14 for π .)



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