

## Math Cheat Sheet

Area= a level surface measured in square feet.

Volume= the amount of space occupied in three dimensions; measured in cubic feet.

Perimeter = total length of the outer boundary of a geometric figure.

Circumference= the measurement of the distance around a circle. measured in feet.

Linear Measure= a system of measuring length, feet.

Length= the measure of how long a thing is from end to end.

Width= the distance from side to side.

Height= the distance from the bottom to top.

Thickness= measured between opposite surfaces; as, three inches thick.

$\pi$  = the symbol Pi designating the ratio of the circumference of a circle to its diameter: 3.14

Radius= any straight line from center to outside surface of a circle.

Diameter= a straight line passing through the center of a circle. The length of such a line.

Total Yards= this is exact amount of concrete. Good rule round up to whole yard.

Sides= any of the lines or surfaces that bound something.

Right Angles= an angle of 90°, made by the meeting of two line perpendicular to each other.

Square feet= surface measure in the form of a square with sides of a specified length.

Cubic feet= having three dimensions, measuring one foot in length, width & height or thickness.

Parallel= extending in the same direction, and at a constant distance apart, never to meet

Square= a plane figure having four equal Sides & four Right Angles.

Perimeter=  $4 \times \underline{S} = \underline{L}inear Measure$

Area=  $\underline{L} \times \underline{W} = \underline{S}quare feet$

Volume=  $\underline{L} \times \underline{W} \times \underline{T} = \underline{C}ubic feet$

Rectangle= any four-Sided plane figure with sides unequal & with four Right Angles.

Perimeter=  $\underline{S} + \underline{S} + \underline{S} + \underline{S} = \underline{L}inear Measure$

Area=  $\underline{L} \times \underline{W} = \underline{S}quare feet$

Volume=  $\underline{L} \times \underline{W} \times \underline{T} = \underline{C}ubic feet$

Triangle= a plane figure having three angles & three Sides.

Area =  $\frac{1}{2} \text{ base} \times \underline{H} = \underline{S}quare feet$

Volume=  $\frac{1}{2} \text{ base} \times \underline{H} \times \underline{T} = \underline{C}ubic feet$

Circle= a plane figure bounded by a single curved line every point of which is equally distant from the point at the center.

Area=  $\pi \times \underline{R}^2 = \underline{S}quare feet$

Volume=  $\pi \times \underline{R}^2 \times \underline{H} = \underline{C}ubic feet$

Circumference=  $\pi \times \underline{D} = \underline{L}inear Measure$

Trapezoid= a plane figure with four sides two of which are Parallel.

Area=  $\underline{H} \times (\underline{B} + \underline{b} \div 2) = \underline{S}quare feet$

Volume=  $\underline{H} \times (\underline{B} + \underline{b} \div 2) \times \underline{L} = \underline{C}ubic feet$