

Computing total yard(s) of concrete for common geometric shapes:

Triangle

Use work sheet in conjunction with Math Cheat Sheet:

First convert all measurements to feet:

Converting inches into feet:

$$4" \div 12" = .33', 6" \div 12" = .50', 8" \div 12" = .66' \text{ etc.}$$

The Formula Used:

$$\frac{1}{2} \text{ Triangle Base} \times \text{H} \times \text{T} \div 27 = \text{Total Yard(s) of concrete.}$$

Length of Triangle Base in feet. _____

Length $\div 2 = \frac{1}{2}$ Base. _____

Height of triangle in feet = H _____

$\frac{1}{2}$ Base \times H = Area (square feet)

$\frac{1}{2}$ Base _____ \times H _____ = A _____

Area \times Thickness (in feet) = Cubic Feet

A _____ \times T _____ = CF _____

Cubic Feet $\div 27$ (Cubic feet per one yard) = Total Yard(s) of concrete.

CF _____ \div _____ 27 _____ = TY _____

This is the exact amount of concrete.

The amount of concrete ordered must reflect the variations in grade and needs for edges and floating.