Formula Help for the Measurement Topics (not for test purposes)

Area – square units / units^2

Parallelogram: A= BH

Triangle: A = BH/2 or .5BH

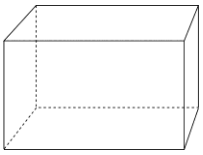
Circle: $A = \pi r^2$ recall that r is $\frac{1}{2}$ D; C = πD (or π2r)

For 3D objects, create a formula that combines the area of each face

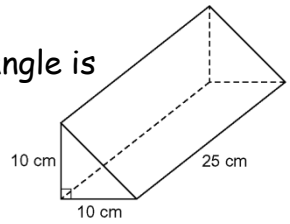
- e.g. Rectangular prism A = 2(bh) + 2(bh) + 2(bh)

Volume – cubic units / units^3

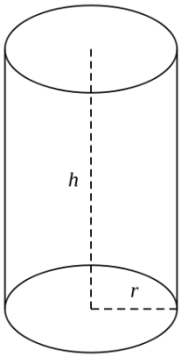
Rectangular Prism V = BWH



Triangular Prism V = area of the triangle x H (height of prism when triangle is resting on the its face) V = .5BW x H



Cylinder V = area of the circle x H



Percent (problems in the unit)

100% = full value = 1.0

105% = full value + 5% = 1.05