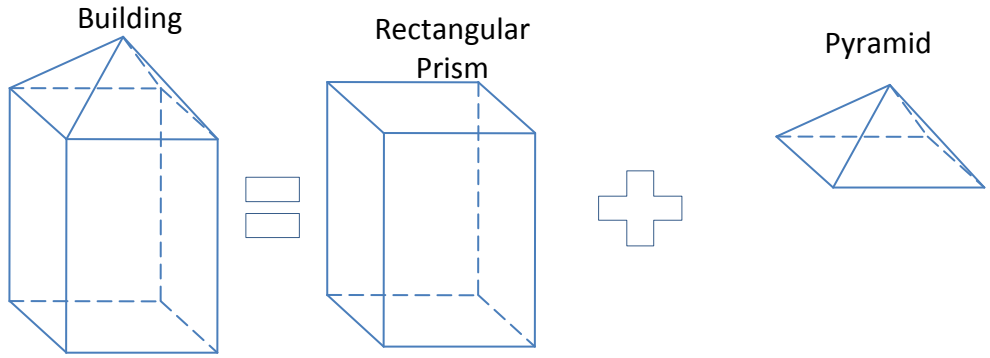
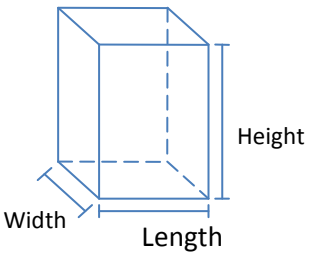
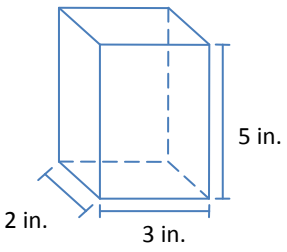
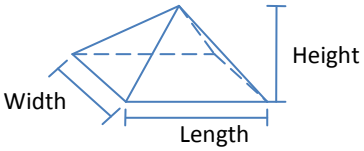
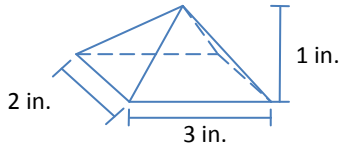
NAME:_____ Date:_____ Teacher: _____

How to Calculate Volume

One important aspect of your structure is how much useable space it has. Volume is a measure of how much space your building contains. There are two main shapes that a building can have, the rectangular prism and the pyramid. Do not worry if your building does not form a pyramid, because they are not required (but could be useful for increasing your building volume). Below are some examples of how you can calculate your building volume.



Rectangular Prism Volume Volume = Length x Height x Width Example: Volume = (3 in.) x (5 in.) x (2 in.) = 30 in.^{3}		
Pyramid Volume Volume = 1/3 x Length x Width x Height Example: Volume = (1/3) x (3 in.) x (2 in.) x (1 in.) = 2 in.^{3}		
Triangular Prism Volume Volume = 1/2 x Length x Width x Height Example: Volume = (1/2) x (6 in.) x (3 in.) x (1 in.) = 9 in.^{3}