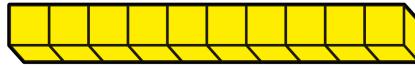
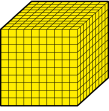
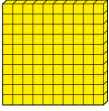




BASE TEN BLOCK CHALLENGE

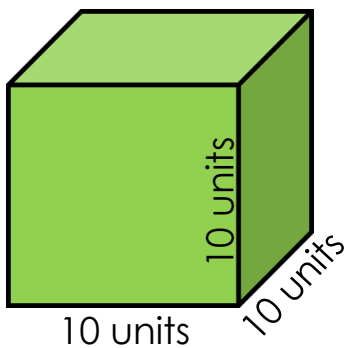


BASE TEN BLOCK SETS: Begin by using the information below to create a rectangular prism out of each combination of base ten blocks. Record the dimensions of each prism and find the total volume.

Set	Cubes 	Flats 	Rods 	Units 	Dimensions L x W x H	Total Volume =
A	1	2	12	10		
B	2	5	8	20		
C	0	7	7	30		
D	0	10	10	0		

STORAGE OPTIONS: Now analyze the five storage options that your teacher has. Determine the volume of each and assign each set its own storage box. Keep in mind that you may have to rearrange the blocks so that they will fit inside and there may be space left over in your storage boxes. **(PICTURES NOT TO SCALE)**

Option 1

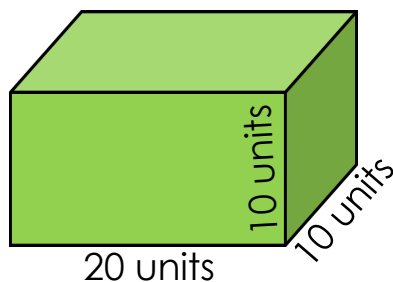


Volume =

Set: _____

Extra Cubic Space:

Option 2

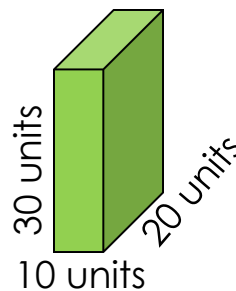


Volume =

Set: _____

Extra Cubic Space:

Option 3

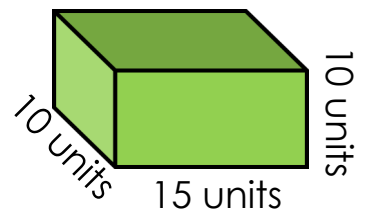


Volume =

Set: _____

Extra Cubic Space:

Option 4



Volume =

Set: _____

Extra Cubic Space:
