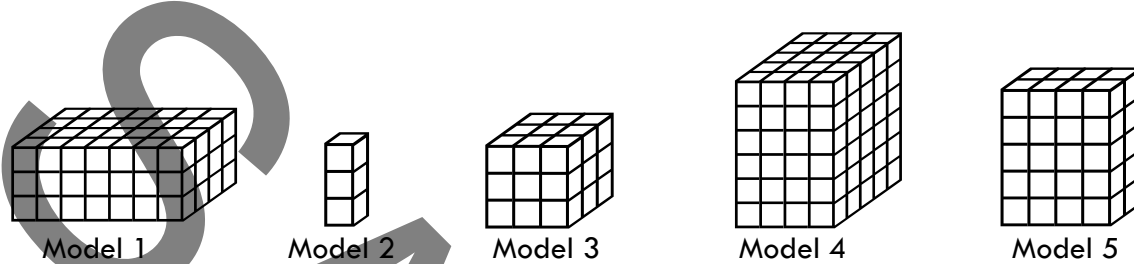




Modeling Volume

Elaborate

Directions: Look at the models below. In the table, write the numbers of all models that have the described characteristic. Answer the debriefing question that follows.



Characteristic	Model Numbers
Has a volume of 3 cubic units.	
Has a volume between 80 and 100.	
Has a volume of 27 cubic units.	
Has a volume between 20 and 100 cubic units.	
The first layer has a volume of 20 cubic units.	
If 2 layers are added the new volume will be 56 cubic units.	
The difference between their volumes is about 60 cubic units.	
The volume of the first model is 3 times the volume of the second model.	
Has a volume of 120 cubic units.	
If one layer is taken away the new volume will be 56 cubic units.	
The sum of their volumes is 30 cubic units.	
Is in the shape of a cube.	
Has the same volume as a model whose first layer is 2 by 2 with 10 layers.	

Debriefing Question:

1. What are two different ways that you could build a model that has a volume of 63 cubic units?

