

Katie

Blyth

Math

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### Menger Sponge

I chose to do this sponge for my project. I took twenty sugar cubes, hot glued them together to make one cube. I then made twenty of these cubes (each with twenty sugar cubes) and hot glued them together to look like the original cube of twenty. So this new big cube is made up of twenty cubes of twenty cubes. I chose to do this because when I was reading the chapter, reading about this was very interesting. I also thought that it looked neat in the picture. As with almost everything in our book and learning, I was able to fully understand it only after I made one for myself. Making this not only helped me understand the sponge, but also the other problems like it. I am able to see them in a whole new way after taking the time to make one myself. It is neat to look at it and know that the whole thing looks exactly like one piece of it only bigger. I could have gone on adding cubes, to make a cube made up of twenty of the big cubes (which have twenty cubes of twenty), but that would have gotten very big. Actually one could go on forever adding cubes and the whole would keep on looking like one piece only larger. After making this I can now envision what the cube would look like if one did in fact continue to add cubes. I think that it would be very interesting, yet I think a little impossible for me to make and be able to bring into class.