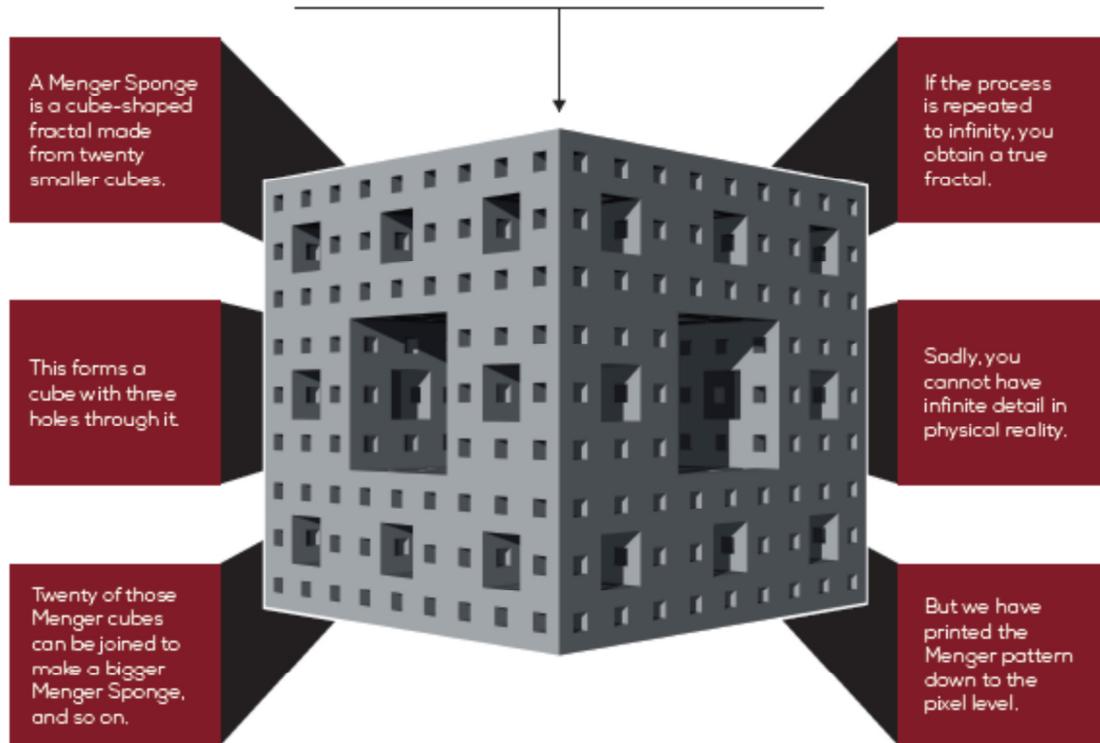


During the last week of October, the Math Club collaborated with the National Museum of Mathematics (MoMath) in a distributed effort to build the world's largest Menger Sponge. Brooklyn College is mentioned as one of the participants. See <http://mathgrrl.com/hacktastic/> for more details of the project.

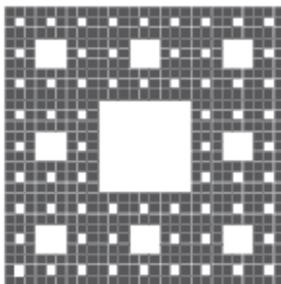
See [http://www.huffingtonpost.com/tim-chartier/a-million-business-cards\\_b\\_6128880.html](http://www.huffingtonpost.com/tim-chartier/a-million-business-cards_b_6128880.html) for more press.

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## What is a Menger Sponge?



## Menger Facts!



The Sierpinski Carpet is a 2D version of a Menger Sponge

A Menger Sponge can be made by removing each central section all the way down. At each step the volume is reduced by 25.925%. This means that when you've removed infinitely many pieces, the remaining volume must be zero!

However, the surface area is increased each time you remove a section. This means that a true Menger Sponge has no volume but infinite surface area! If you wanted to paint it, you'd never have enough paint to get into all the fiddly corners.

If you cut a slice through a Menger Sponge at just the right angle, you get a beautiful pattern of six-pointed stars!

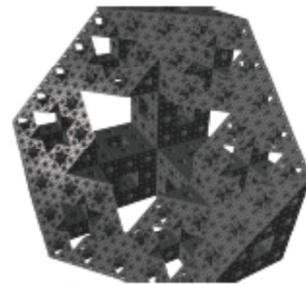


Image credit: User Generation on Flickr/Forums.com

Six-pointed star of a sliced Menger Sponge

November 10, 2014  
Math Club News

Building 20 level I cubes at Brooklyn College.



November 10, 2014  
Math Club News

### Putting it all together at MoMath



The finished Level II with the outside faces

The Level III Menger Sponge on exhibit at MoMath.

