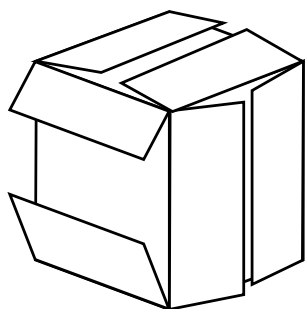


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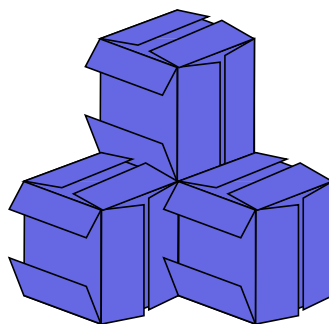
Tripod construction method: level-2 Menger sponge

In the case of the level-2 Menger sponge, we can extend the tripod technique further to simplify the attachment process. To do this, we will need cubes, single tripods and three new tripods:

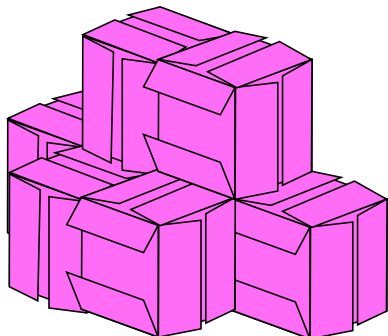
cubes x 80



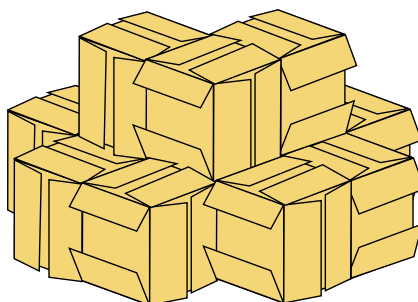
Single tripods x 4



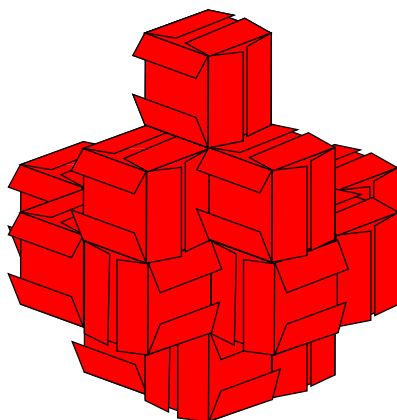
Double tripods x 12



Triple tripods x 12

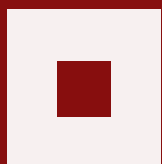


Quadruple tripods x 4



Of course, these tripods should be panelled as well. Look at their respective worksheets to ensure you have the right panelling! The blueprint of the level-2 Menger sponge constructed with these tripods is shown on the next page.

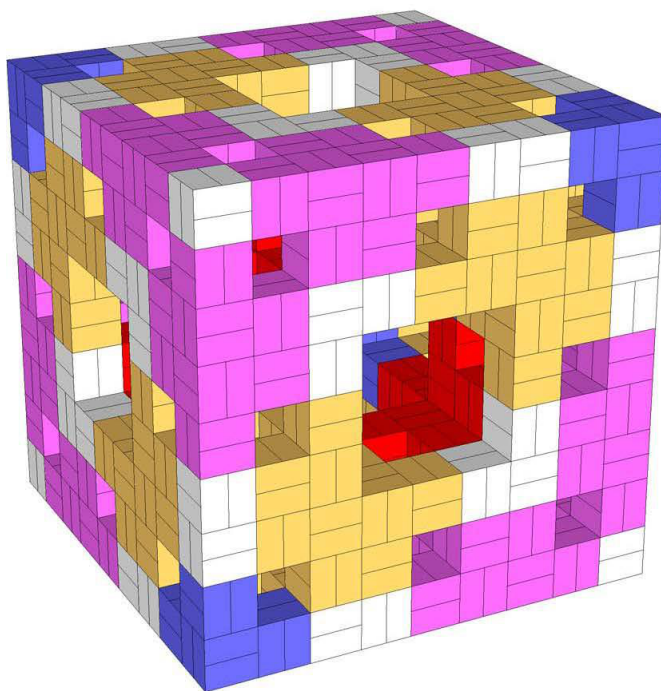
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Below is a blueprint of the level-2 Menger sponge constructed out of cubes (white), single tripods (blue), double tripods (pink), triple tripods (yellow) and quadruple tripods (red). The colour scheme is the same as in the key on page 1.

Outside View:



Inside View:

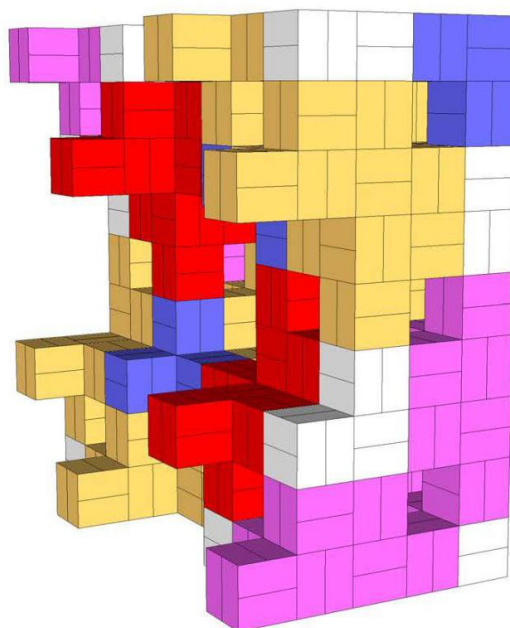
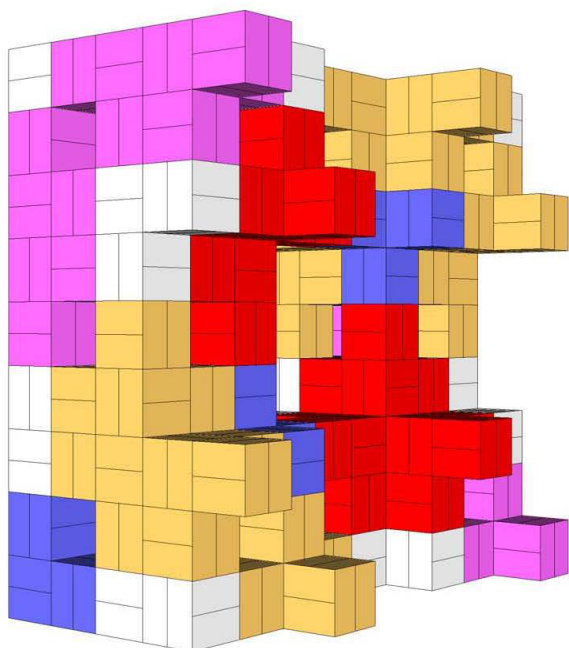


Diagram of Level 2 Menger sponge by Kevin Hartshorn,
Moravian College - based on work by Dr. Jeannine Mosley.

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Worksheets developed by