
Subject: The 30-Cell Puzzle

Posted by [henryseg](#) on Sun, 07 Oct 2012 10:04:41 GMT

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This is a new puzzle, designed/discovered by Saul Schleimer and myself. It is based on the 120-cell, one of the 4-dimensional regular polytopes, the analogues of the 3-dimensional regular polyhedra (the cube, tetrahedron, octahedron and so on). The goal is to assemble the 5 identical pieces shown in the first picture into the ring-like structure shown in the others. Each of the five pieces is made from six dodecahedral cells, giving the puzzle its name.

[Shapeways shop](#)

[YouTube video](#)

Cheers,

Henry

File Attachments

1) [30-cell_puzzlemontage.jpg](#), downloaded 130 times
