

Tetrahedron Challenge

What is a tetrahedron?

A tetrahedron is a shape made of four triangles. Not just any triangles – they must be triangles where all 3 sides are the same length. Do you know what one of these triangles is called? If not, the activity (to make one) on our website will give you the answer!

The Challenge:

Take 12 drinking straws



On each straw, squash the short part and fold it lengthways. You may need to squeeze it

Now push the short ends into long ends to make a loop



Push the short end of one straw into the long end of another straw – up to the joint

Take the short end of that one and push it into another straw

When you've used all 12, join the last one to the first



The challenge is simple: can you turn this loop of 12 straws...

... in to this tetrahedron, just by twisting?

OK, you're also allowed a helper and tape at the end!



For more fun activities visit www.mathsontost.org.uk

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