

# How to make an equilateral triangle

## What is an equilateral triangle?

An equilateral triangle is a triangle with all its sides the same length. You can make loads of different shapes and patterns from an equilateral triangle



## Take three straws... and squash the short ends!



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

## Now push the short ends into the long ends.



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 a third straw

Push the short end of that third straw into your first straw

## And now you have



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## A quick note on plastic

At Maths on Toast, we're conscious of the environmental problems created by single use plastic. In our own activities we try to adhere to the 'reduce – reuse – recycle' mantra.

Consider looking for biodegradable straws when shopping, or try buying online – for example here:

<https://www.buzzcateringsupplies.com/biodegradable-bendy-straw-8-inch-black-x250.html>



## What else could you use to construct with?

- Newspaper
- Brown packing paper
- Wooden sticks
- Plasticine or sticky tape to join items
- Any other ideas?



## Can you construct something with your equilateral triangles?

A piece of art?



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Something from the world around you?

For inspiration, look in your home or look out for ideas on your walks out and about!



Even some funky wallpaper?!



**Are all of these triangles equilateral?**

How many equilateral triangles can you count?

Do you know the names of the other types of triangles used here?

Keep an eye out for our Tetrahedron activity – it links well to this one.

Don't forget to send us photos of any creations you make to [info@mathsontoast.org.uk](mailto:info@mathsontoast.org.uk)



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