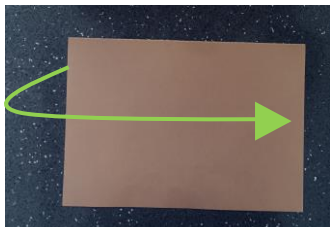
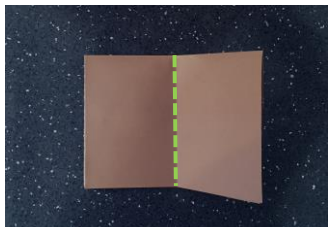
How to make a Paper Boat

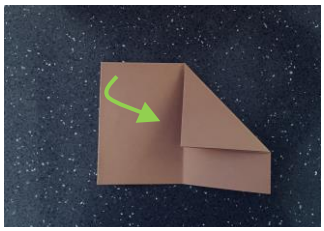
Watch our 'how to' videos here: www.mathsontoast.org.uk/summersaturdays
(You can choose a short demo or a longer video with full explanation)



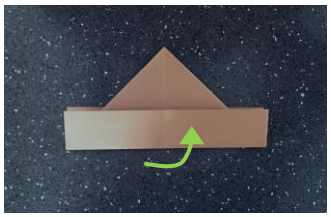
Fold a piece of paper in half (side to side)



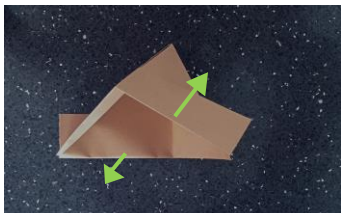
Now fold (top to bottom) and unfold again to find the centre



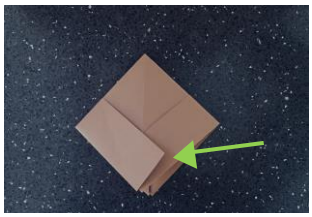
Fold the corners to the centre



Fold the flaps up on both sides



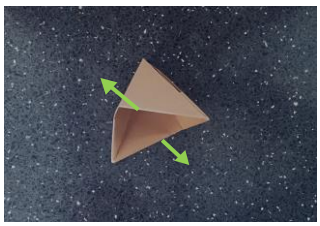
Open it out until it makes a square



Tuck the corners of one flap under the other

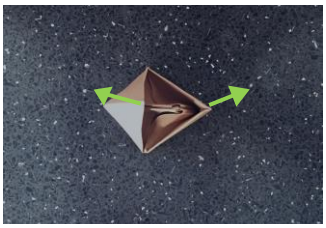
Fold up at both sides…

…to make a triangle

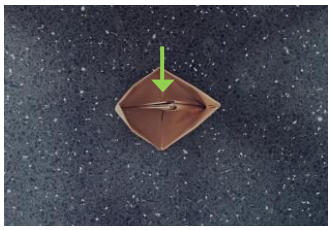


Open it out until …

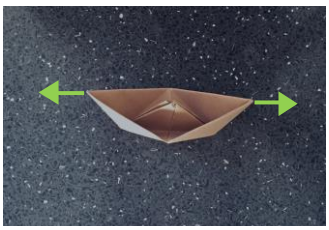
… it makes a square



Pull corners out



Press down inside



Open it out to make a boat shape

Now test your boat in water

And decorate. Tah-dah!

For more fun activities visit www.mathsontoast.org.uk
Don't forget to share your creations and comments on Twitter, Facebook or Instagram tagging **@mathsontoast** using #positiveaboutmaths

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Whale, whale, whale,
What do we have here?

Decorate your boat

Why not design paper rectangles for the sails, use thread for the rigging and wooden skewers or dried spaghetti for the mast. Sticky tack is useful for keeping things in place!

How will you make sure that your boat continues to float once decorated?

Further challenge

Teach a friend or family member how to make a paper boat.
Have fun testing the boats in the bath or paddling pool.

Whose boat floated the longest?
Which boat was the fastest to sail from one side to the other?
Who can blow their boat the furthest?

Can you think of a way to record the results?

Why's this maths?

You'll be exploring shapes and their properties; recognising that 3D shapes can be created from 2D material. Paper folding is a great way to discover nets, construction and shape transformation.

The further challenge is an opportunity to practice your estimating, predicting, measuring and recording skills.

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