

Maths Investigation Lesson – Shapes and Angles

<https://www.mathspad.co.uk/interactives/anglesJigsawProject/anglesJigsaw.php>

Use the link above for the first **two questions**.

Question One

Use the online link to link all the different angles and shapes together to fit inside the square. A tip would be to look for the **right angles** first! They will fit in the corners leaving you with just the middle sections to work out! Once you have finished click the small green arrow in the top right to move onto question two.

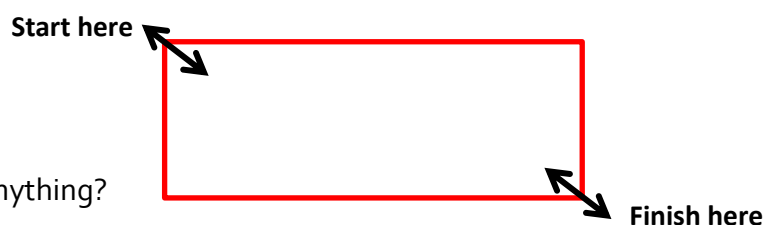
Question Two

Similar to the first question but a bit trickier! Again remember to look for those right angles first! There are not as many right angles in this one so you are going to have to take your time with this one! Once you have finished this you no longer need the link so just close the webpage.

Question Three

Use the template attached to create your own rectangle, made up of many triangles, rectangles and quadrilaterals! This is a fun activity so you can do it more than once if you want you may also want to colour or label the different shapes you cut out. Once you have finished try to see what you have recognised.....

- a) Cut one of your rectangles in half from one corner to the opposite corner, like this:



Have you noticed anything?

.....

- b) Look at another one of your other rectangles?
Draw it in the box. How many right angles does your rectangle have? Show them on your drawing.

.....



- c) Pick a quadrilateral you have cut out. Draw it in the box. How many acute, obtuse or right angles are there? Show them on your drawing.

.....



Angles Jigsaw!

Instructions

1. Draw lines to split the rectangle into 10 pieces.
2. Measure all the angles at each corner of each of your 10 shapes.
3. Cut your shapes out and give them to a friend. Can your friend put them back together again to make a rectangle?

