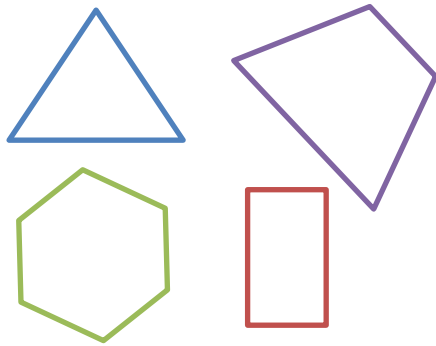


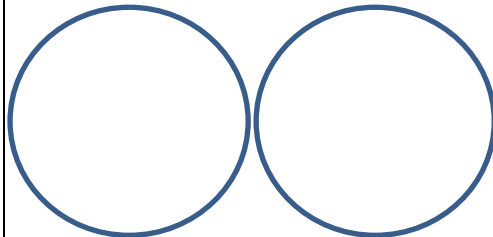
Geometry: Symmetry

Identify lines of symmetry in 2D shapes presented in different orientations.

- Find lines of symmetry in the shapes.

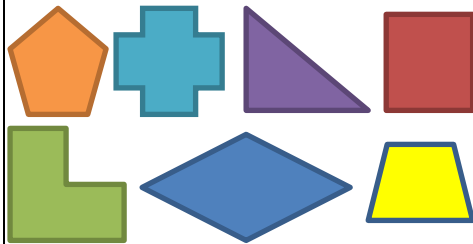


- Sort the shapes into the groups.



1 line of symmetry

2 or more lines of symmetry



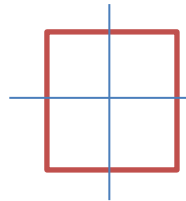
Can you add one more shape to each group?

- Always, sometimes, never**

Triangles have one line of symmetry.

Prove your answer using drawings.

- Jasmine has drawn the lines of symmetry on the square.

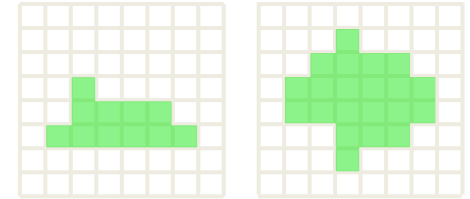


Has she found them all?
Explain how you could check.

- Hamza says 'Lines of symmetry are always straight.'

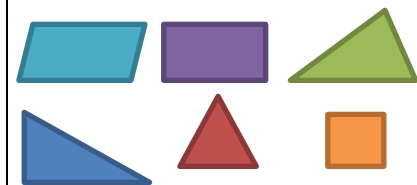
Is Hamza right?
Convince me.

- Colour in one more square on each pattern to create a shape with a line of symmetry.



- Can you place one shape in each of the boxes below?

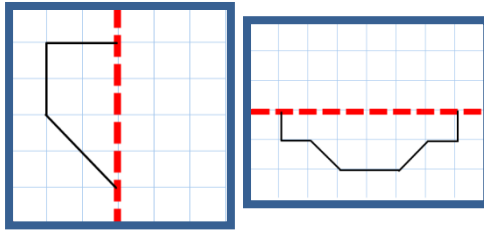
	Has an acute angle	Has two or more lines of symmetry
Has 4 sides		
Has three or less sides		
Has a right angle		



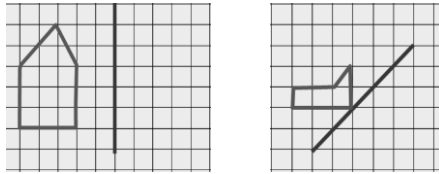
Geometry: Symmetry

Complete a simple symmetric figure with respect to a specific line of symmetry.

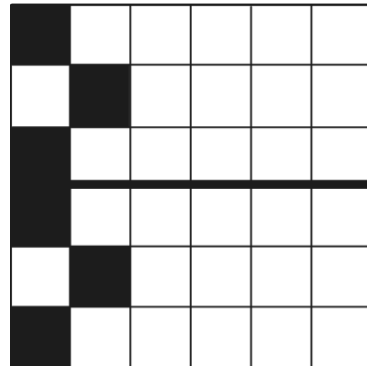
- Complete the shape with respect to the line of symmetry.



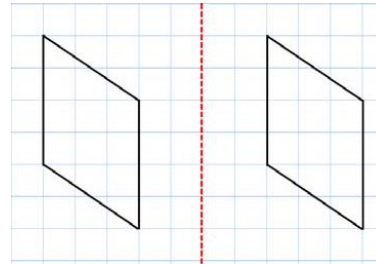
- Reflect the shape in the mirror line



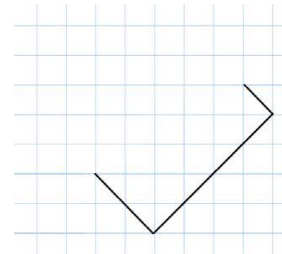
- Shade in the squares to complete a symmetrical pattern.



- Prove that the shape below is not reflected correctly.



- Complete the shape to make a square and draw on the mirror line.

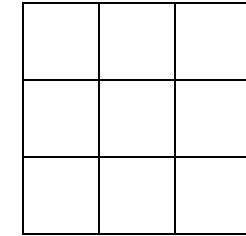


- Caroline thinks the shape will have 5 sides altogether when it is reflected in the mirror line.

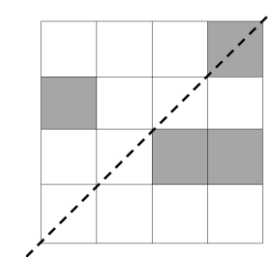
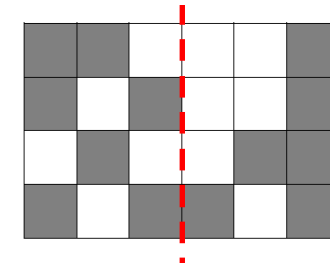


Do you agree?
Prove it.

- How many different ways can you colour the squares below to create different symmetrical designs?



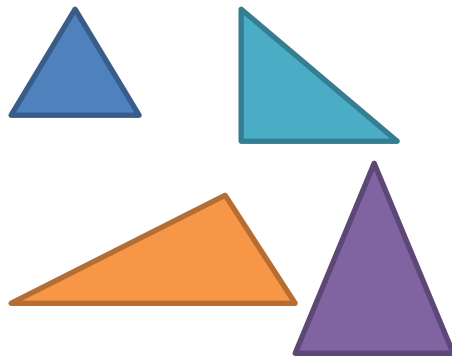
- Colour in extra squares to complete a symmetrical pattern.



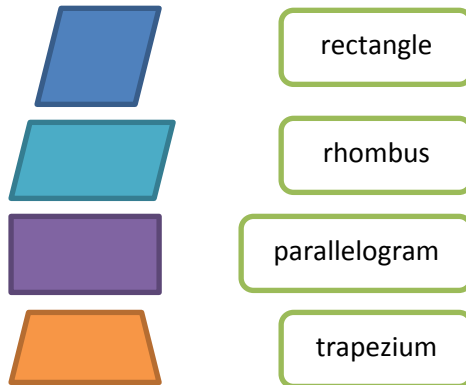
Geometry: Shapes

Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

- Label each of the triangles **isosceles**, **scalene** or **equilateral**.



- Match the quadrilaterals to their names.

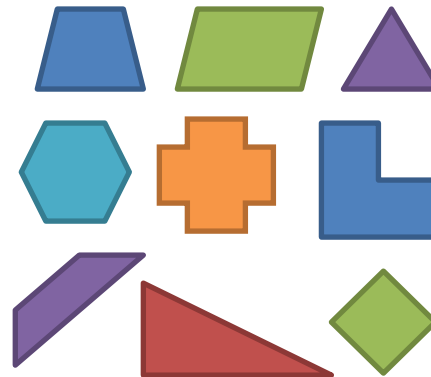


Write down the properties of each of the shapes.

- Look at these shapes. What's the same? What's different? Can you name the shapes?



- Can you sort the shapes below into different groups? Ask other children to see if they can label your groups and work out how you have sorted your shapes.



Can you add one more shape to each of your groups?
Can you name each shape?
Can you sort your shapes in a different way?

- Here is a square. Inside the square is an equilateral triangle. The perimeter of the triangle is 54cm. Find the perimeter of the square.



- Can you fill in each of the boxes below with a different shape?

Can you name each shape?

	Has a right angle	Has no equal sides
Has 4 or more sides		
Has three sides		
Has an obtuse angle		