



Can I sort 2D shapes?

1 Draw lines to sort the shapes into groups.

triangles

pentagons

2 How have the shapes been sorted?

3 Eva sorts some shapes.

triangles

hexagons

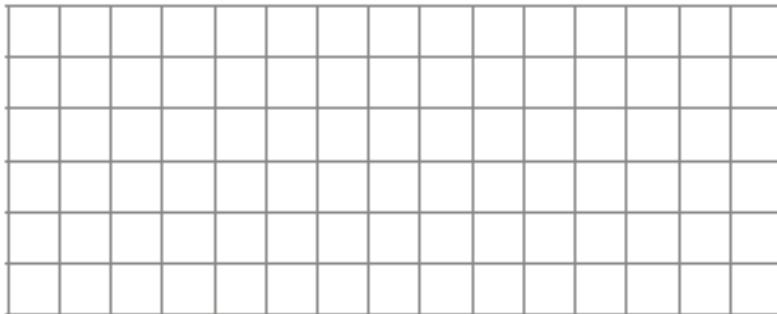
a) Is Eva correct? _____
How do you know?

b) Draw a group of three different pentagons.

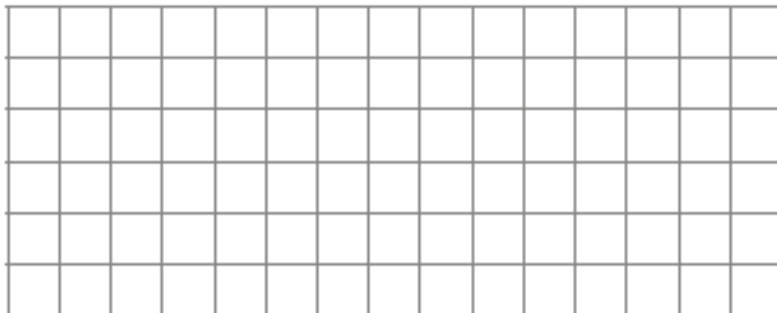
pentagons

Draw three different shapes in each group.

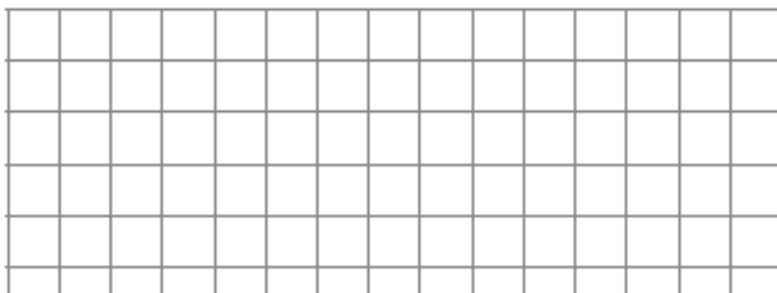
shapes with 4 sides



shapes with an odd number of vertices





shapes with an even number of sides





Sort the shapes in order of the number of sides.


Start with the shape that has the fewest sides.


A


B


C


D

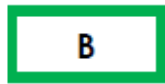

E

fewest

most

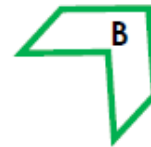
2a. Write the letters of the shapes in the correct section of the table.

4 sides or more	Fewer than 4 sides



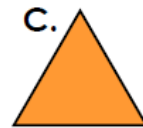
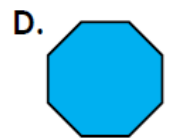
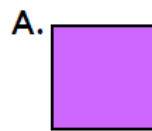
4a. Write the letters of the shapes in the correct section of the Carroll diagram.

	More than 3 sides	3 sides or fewer
Regular shape		
Irregular shape		



2. Azzam spilt paint on his Carroll diagram. Circle all the shapes that could be covered by the splat.

	Vertical Line of Symmetry	No Vertical Line of Symmetry
Fewer than 5 Sides		
More than 4 Sides		



Challenge questions

Which shape is in the wrong set?
Explain why.

Vertical line of symmetry	No vertical line of symmetry

2a. Kim says,



A square could fit in either section of this table.

Vertical line of symmetry	No vertical line of symmetry

Is she correct? Explain your answer.

Tilly and Michelle are working out what shape is covered by the paint.



Tilly

I think the covered shape is a rectangle.



Michelle

I think the covered shape is a circle.

- The shape has:
- 4 or less sides
 - A vertical line of symmetry.



Who is correct? Explain why.