

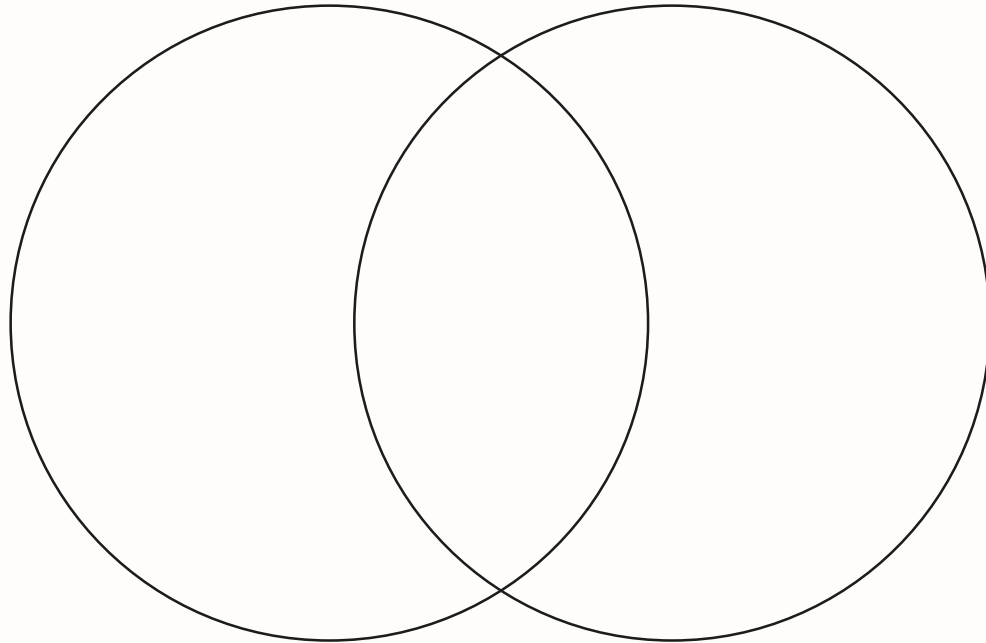
Using a Venn Diagram

Sorting 2D shapes



What is a Venn Diagram?

A Venn diagram is made up of two circles that overlap.



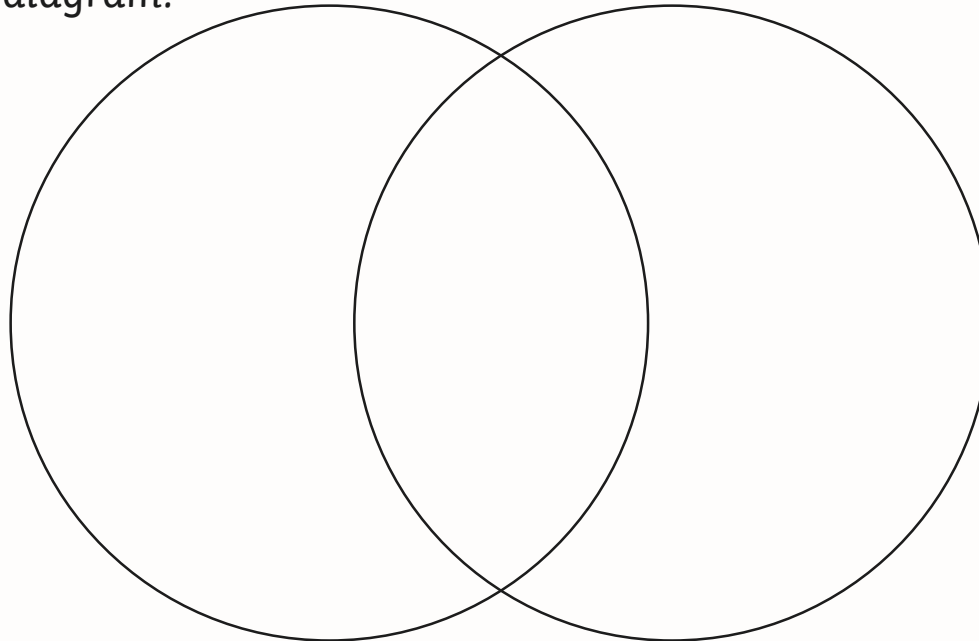
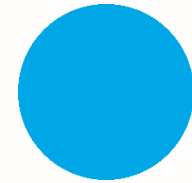
It can be used to sort objects, numbers or shapes.

Sorting 2D Shapes

The blue rectangle fits in both parts of the diagram so needs to go in the middle of the diagram.



The blue circle needs to be in the part for blue shapes.



The red triangle is not blue and does not have four sides so it needs to stay out of both parts of the diagram.

blue

has four sides



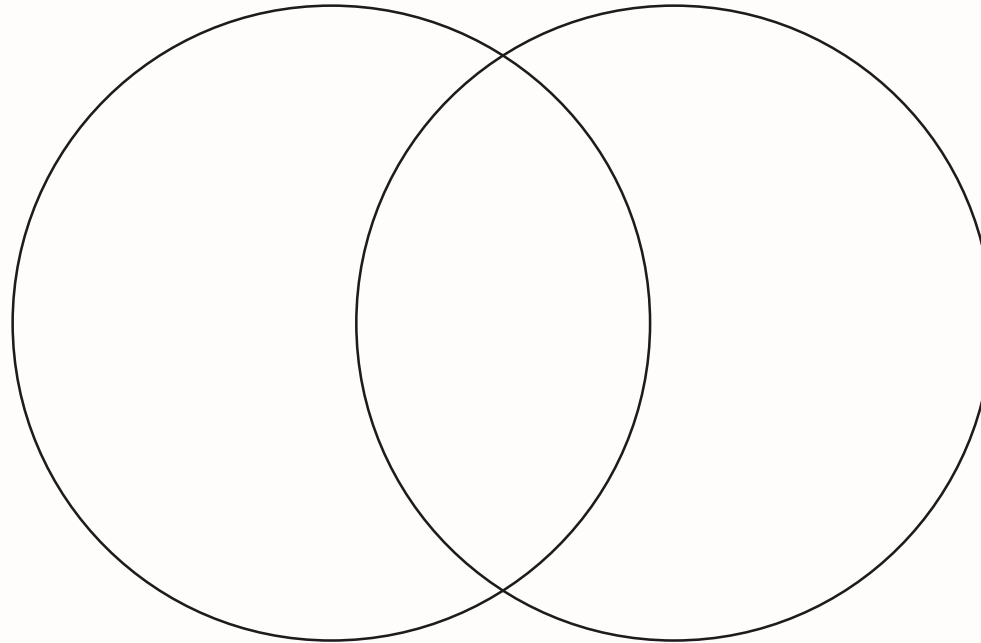
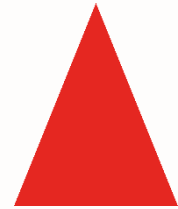
The red square needs to be in the part for four-sided shapes.

Where do these shapes need to move to?

The blue rectangle does not fit in this diagram so it stays on the outside.



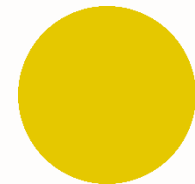
The red triangle needs to be in the part for three-sided shapes.



The yellow triangle needs to be in both parts of the diagram so goes in the middle.

has three sides

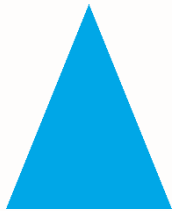
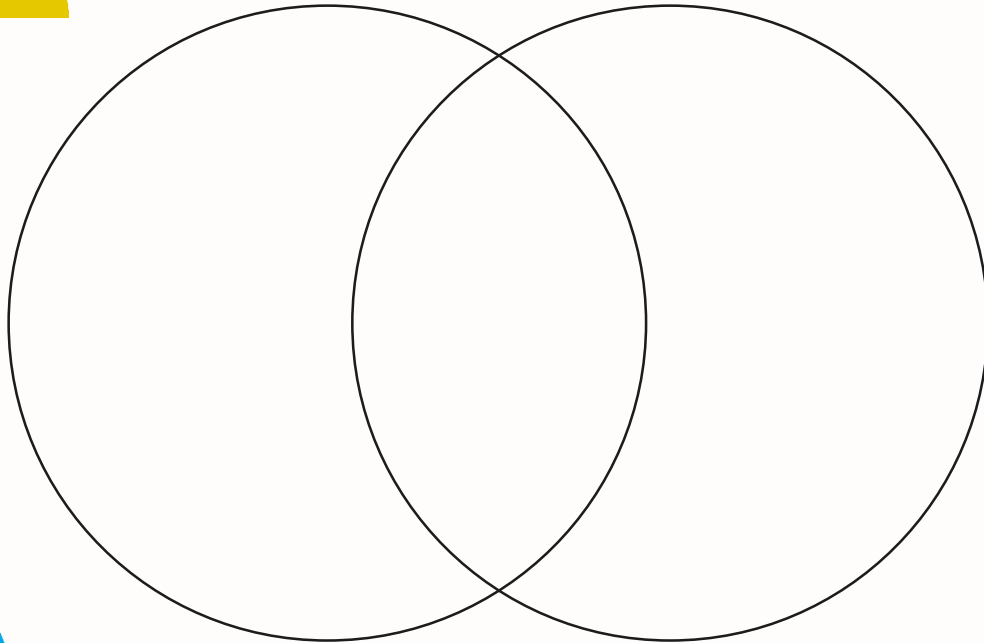
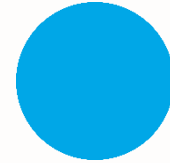
yellow



The yellow circle needs to be in the part for yellow shapes.

Where do these shapes need to move to?

Discuss with a partner.



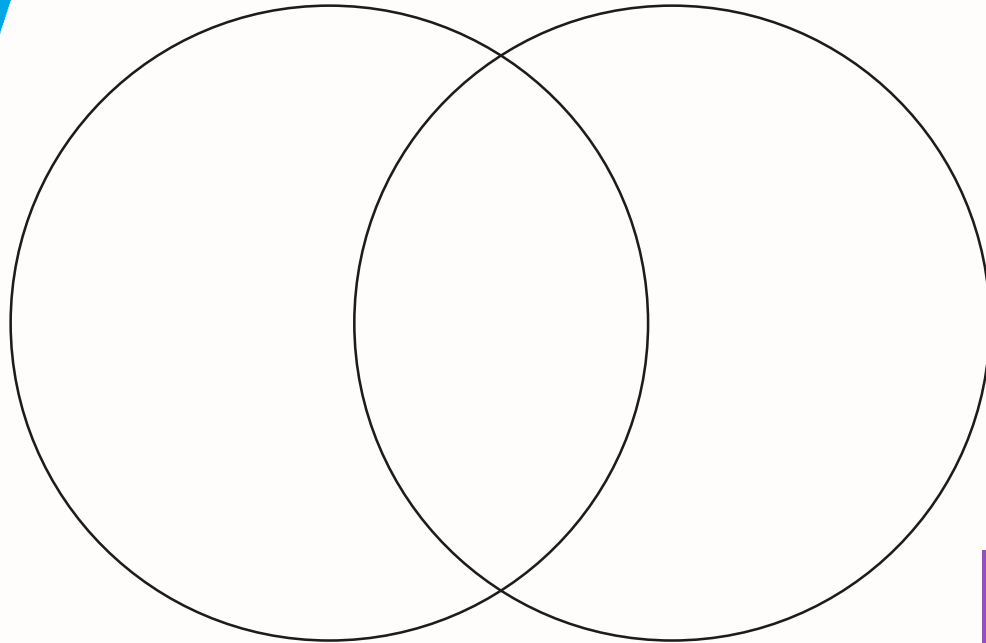
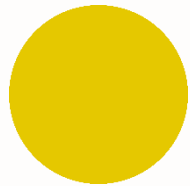
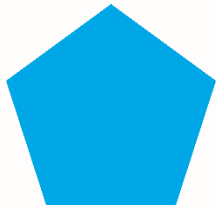
blue

has curved sides



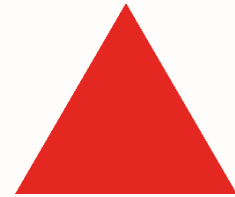
Where do these shapes need to move to?

Discuss with a partner.



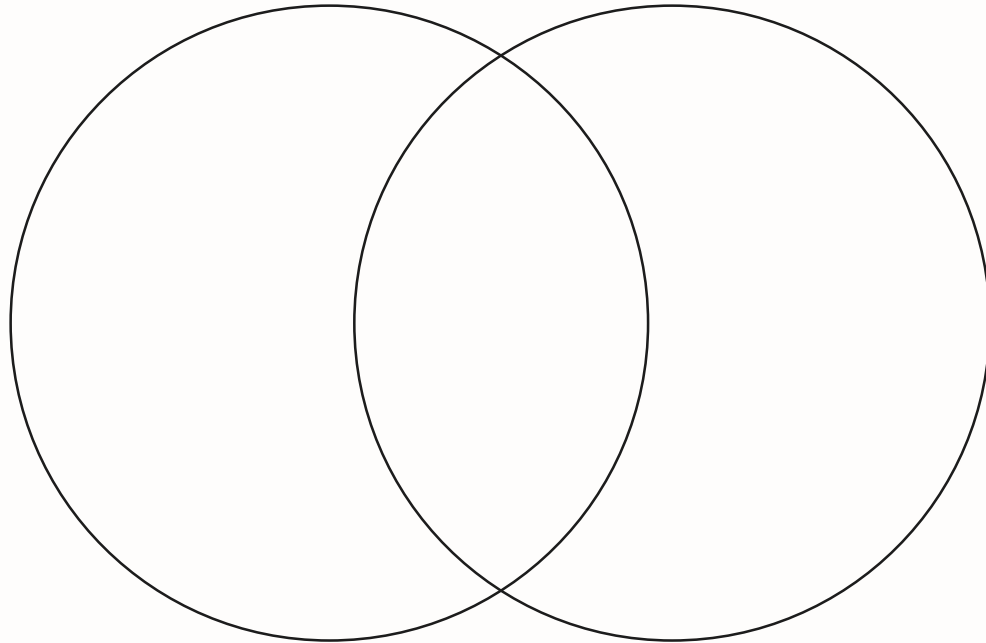
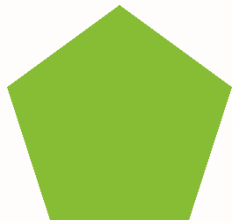
has three or
more sides

purple



Where do these shapes need to move to?

Discuss with a partner.



is a quadrilateral

green