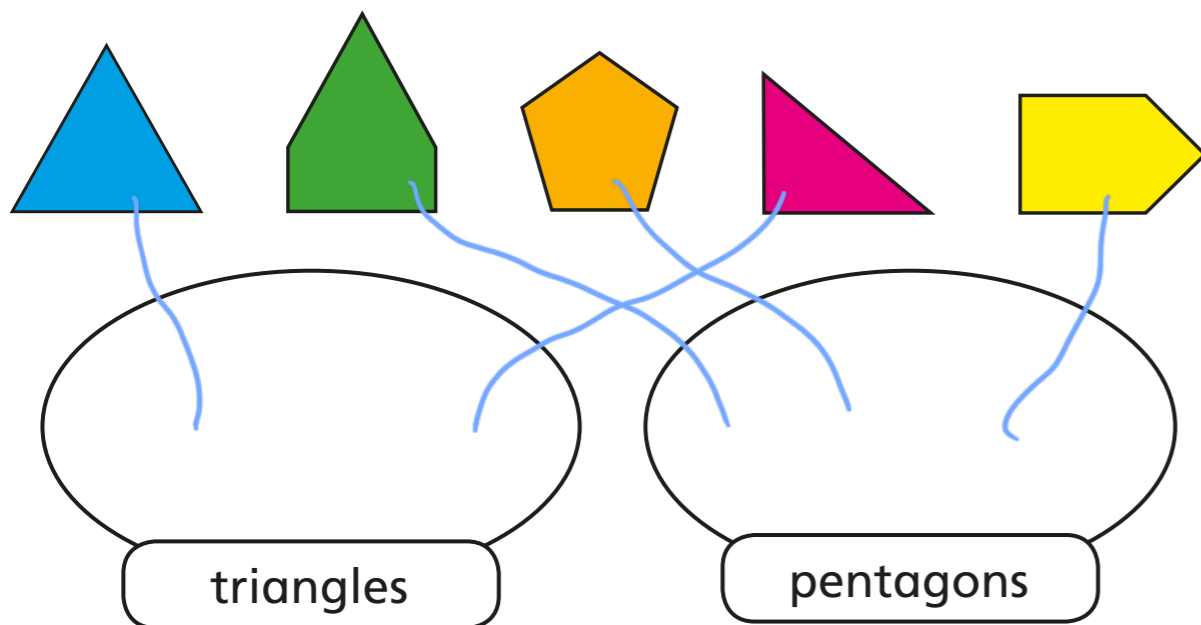
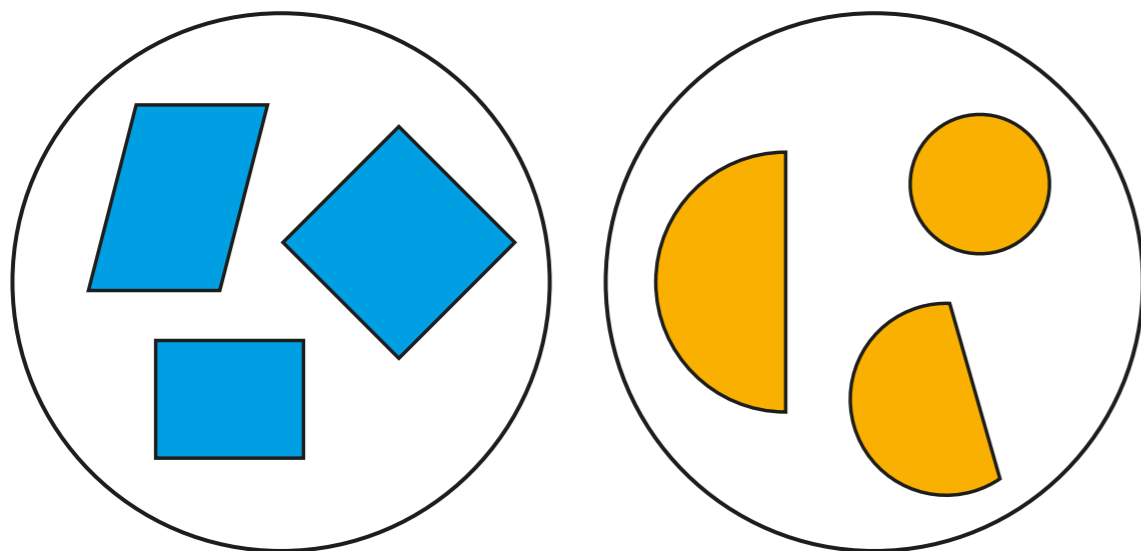


Sort 2D shapes

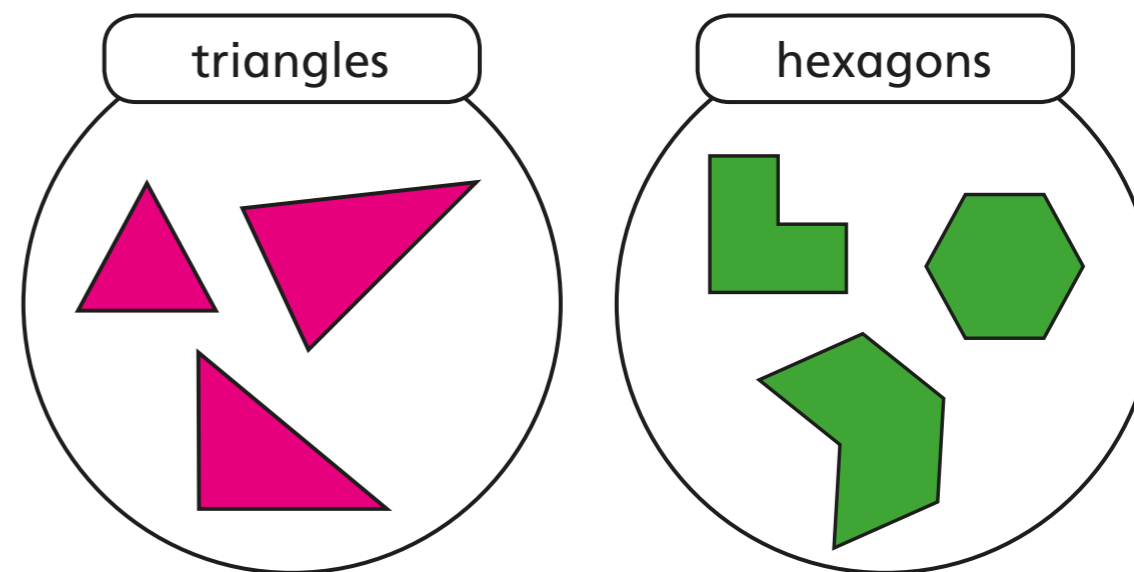
1 Draw lines to sort the shapes into groups.



2 How have the shapes been sorted?



3 Eva sorts some shapes.

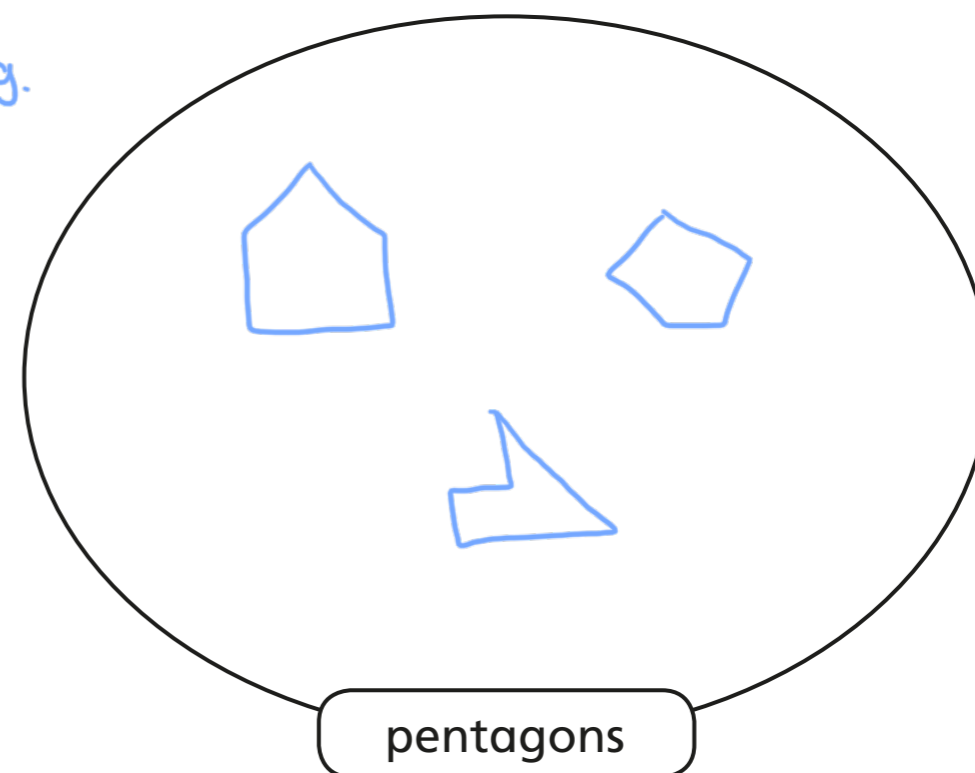


a) Is Eva correct? Yes

How do you know?

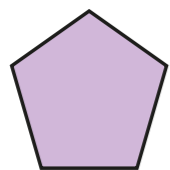
b) Draw a group of three different pentagons.

e.g.

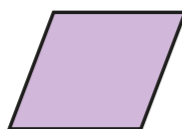


- 4 a) Sort the shapes in order of the number of sides.

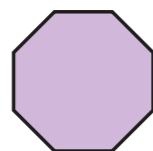
Start with the shape that has the fewest sides.



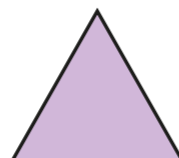
A



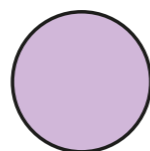
B



C



D



E

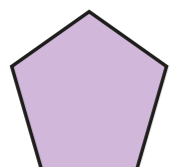
fewest

most

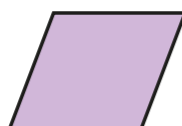
E D B A C

- b) Sort the shapes in order of the number of vertices.

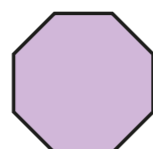
Start with the shape that has the fewest vertices.



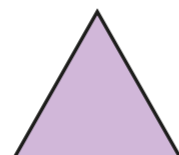
A



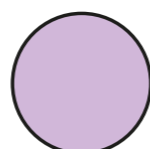
B



C



D



E

fewest

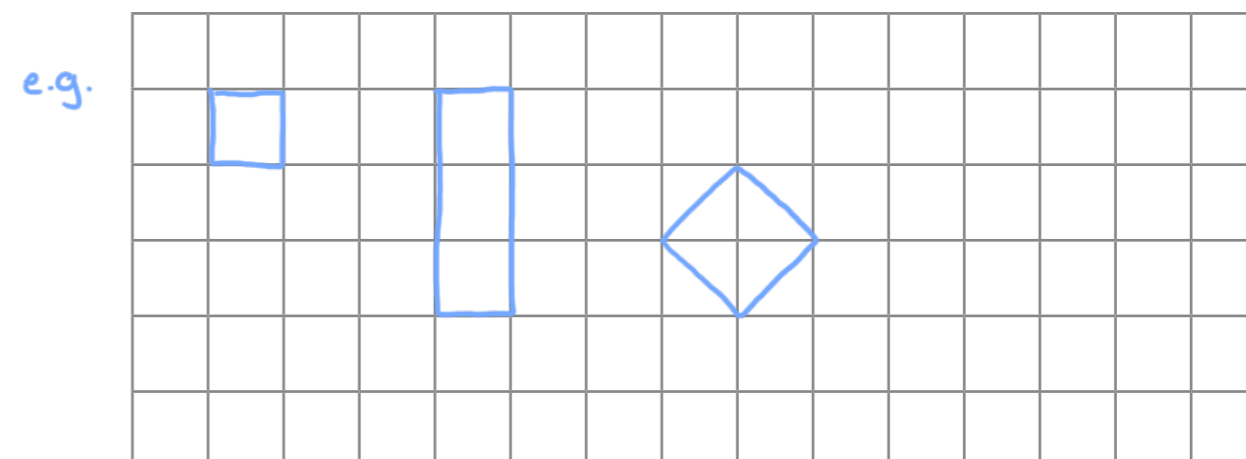
most

E D B A C

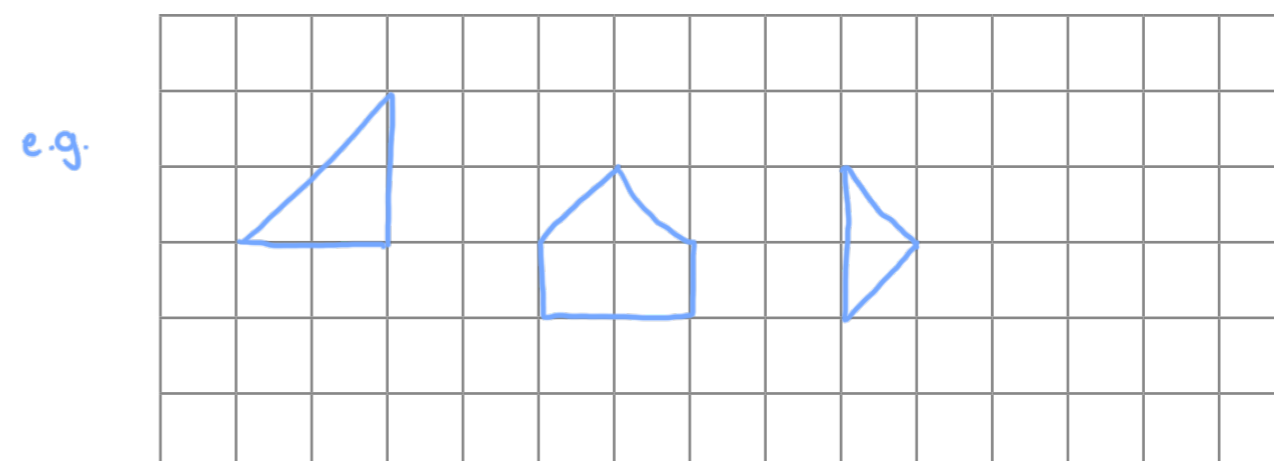
- c) What do you notice about your answers to part a) and part b)?

- 5 Draw three different shapes in each group.

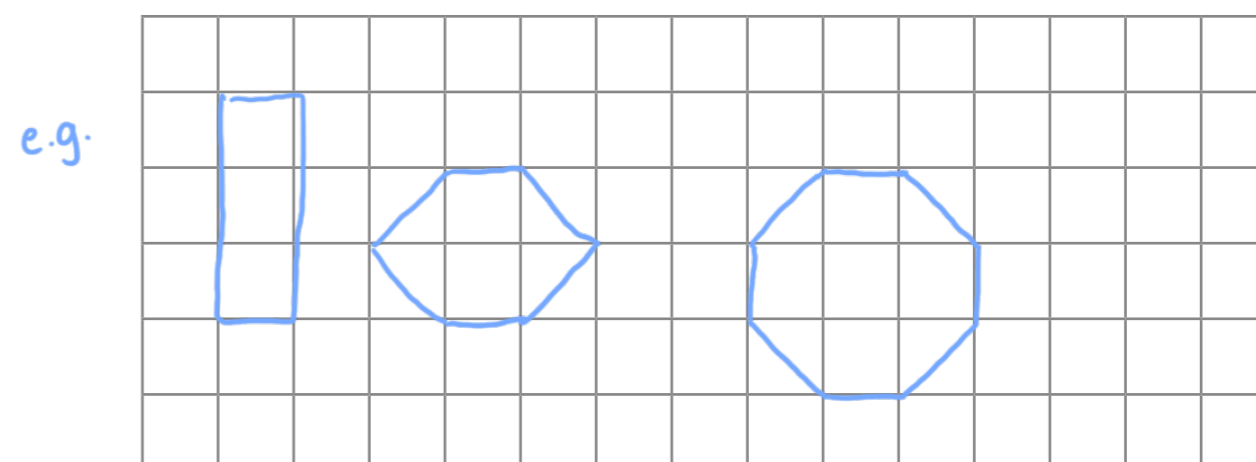
shapes with 4 sides



shapes with an odd number of vertices

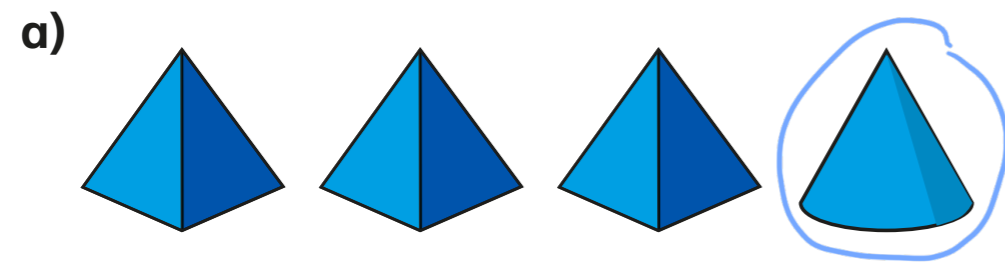


shapes with an even number of sides

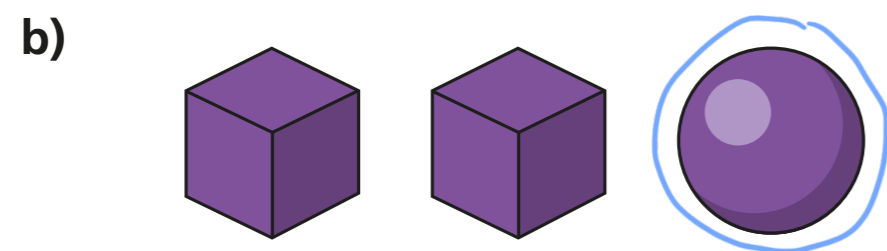


Sort 3D shapes

1 Circle the odd one out in each group and complete the sentences.



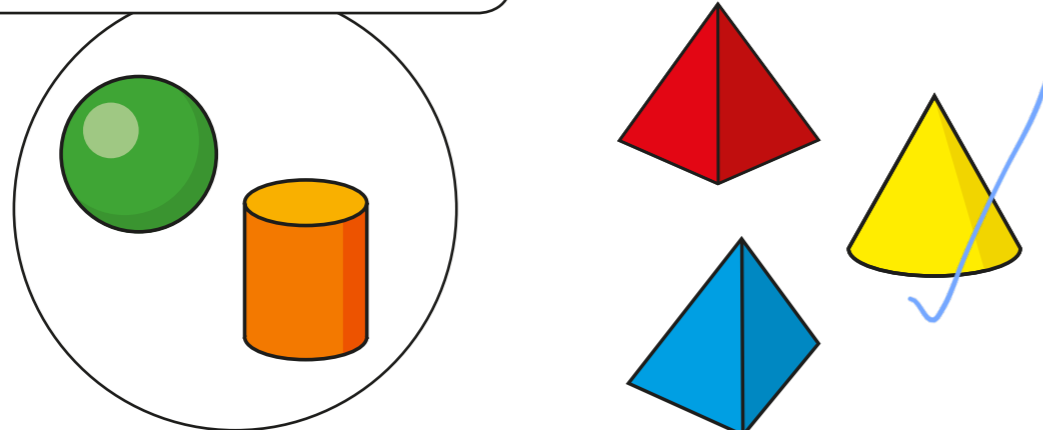
The odd one out is a cone.



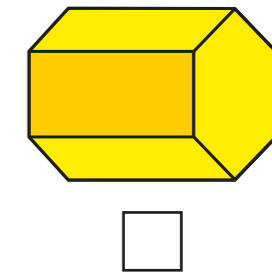
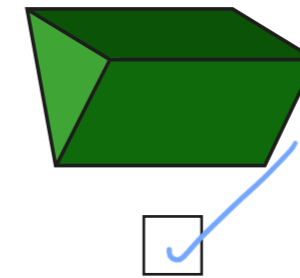
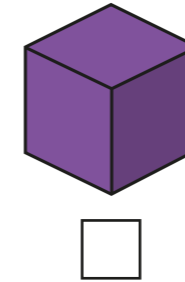
The odd one out is a sphere.

2 Tick the shape that could go in the group.

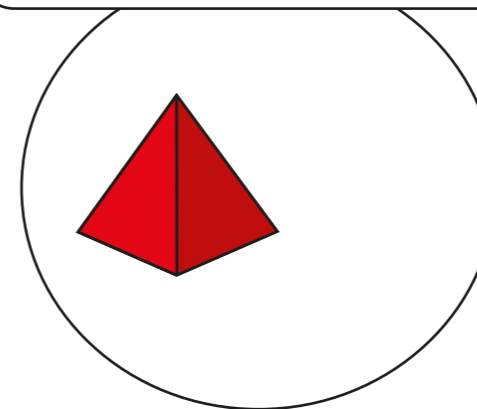
has a curved surface



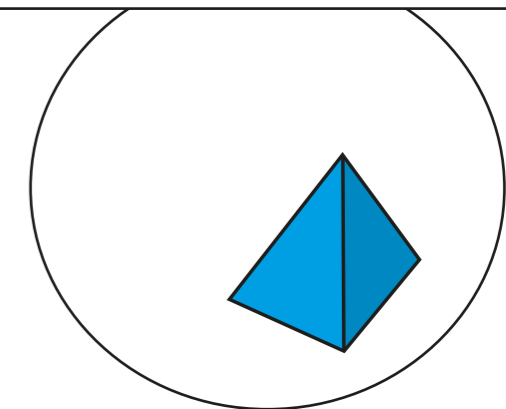
3 Tick the shape that could go in both groups.



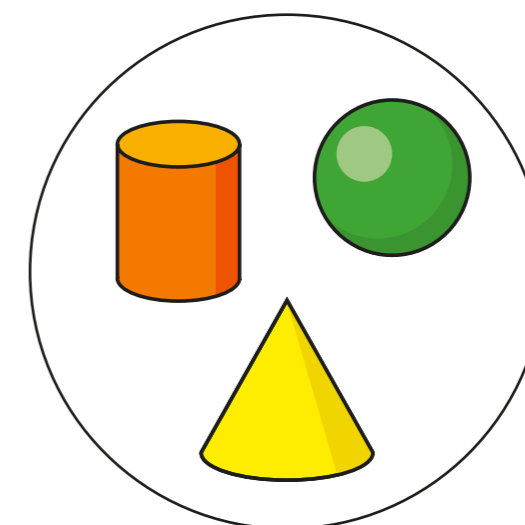
odd number of faces



even number of vertices

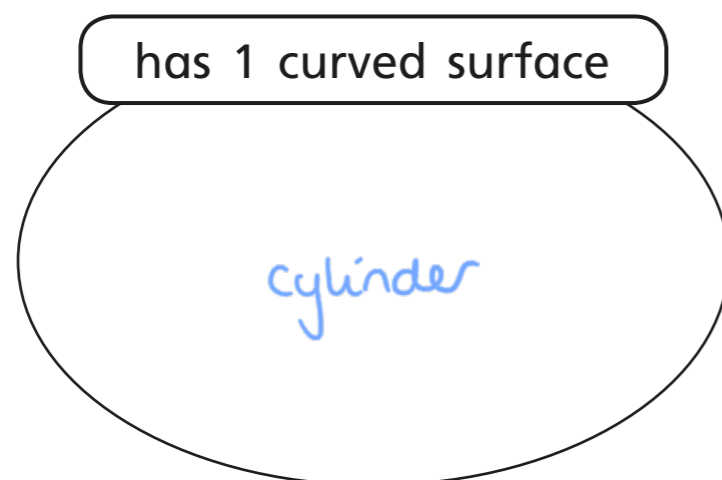
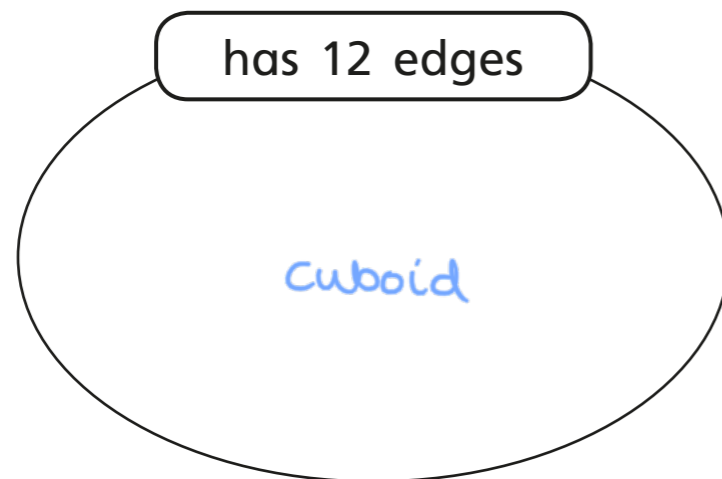
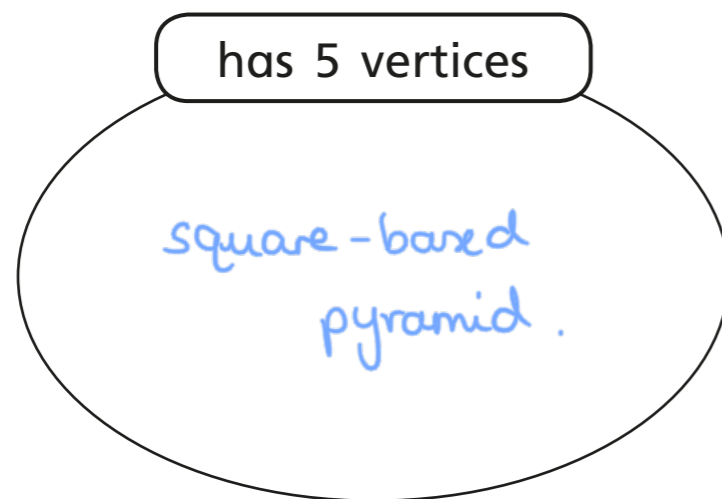


4 How have the shapes been grouped?



- 5 Write the name of a 3D shape that could go in each group.

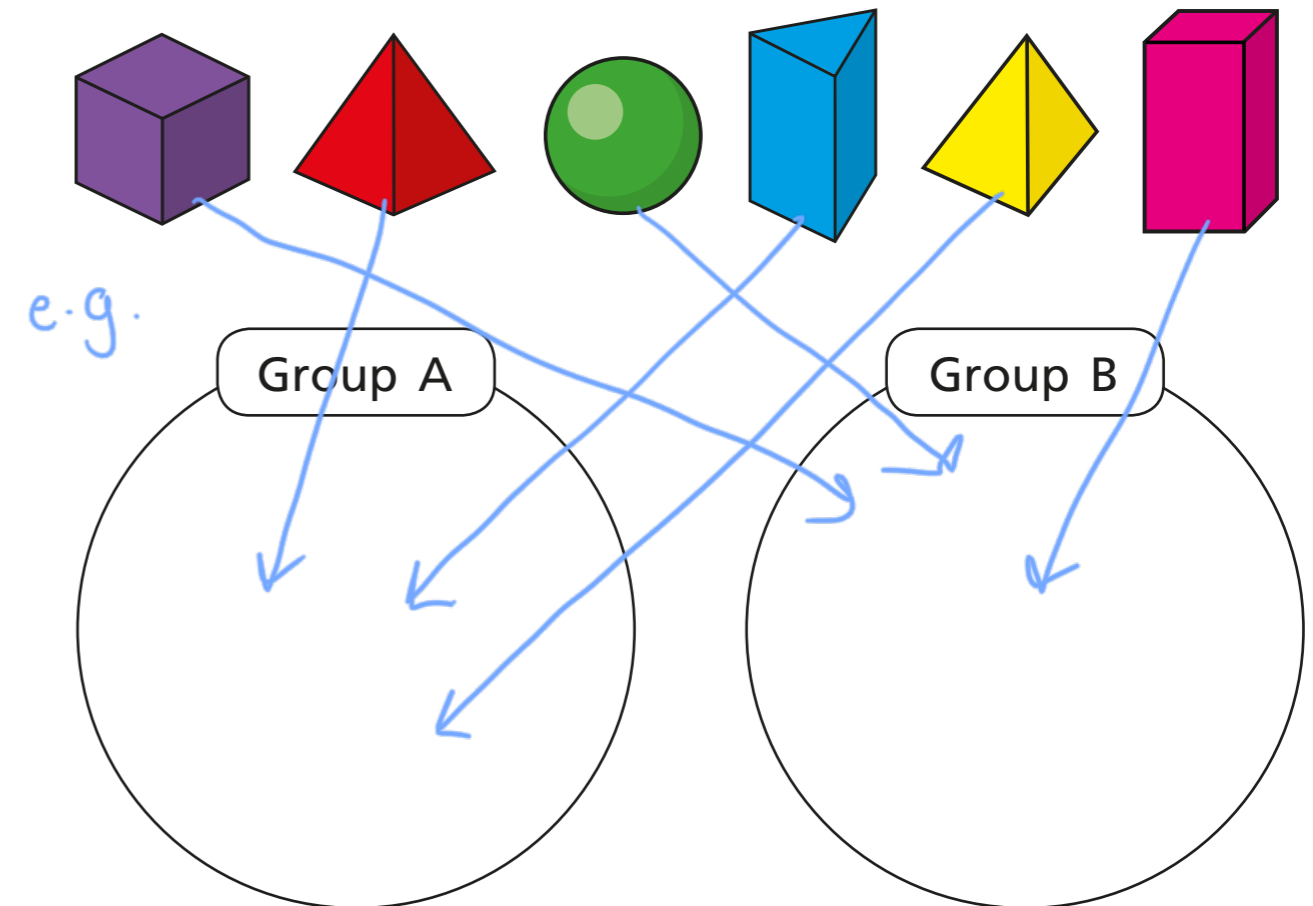
e.g.



Can you think of any other shapes to go in each group?



- 6 a) Draw lines to sort the shapes into two groups.



- b) Give each of your groups a label.

Group A: Has at least one triangular face

Group B: Has no triangular faces

Compare answers with a partner.

