Maths – Thursday 4th February

Retrieval practice:

What properties of 3D shapes have we looked at?

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What properties of 3D shapes have we looked at?

Faces, vertices and edges.

WALT: Sort 3D shapes

2D shape properties:

- Sides
- Vertices

3D shape properties:

- Faces
- Edges
- Vertices

Sort the shapes below into the table

Pyramids	Cuboids	Cylinders

A. 

B. 

C. 

D. 

E. 

Sort the shapes below into the table

Pyramids	Cuboids	Cylinders

A. 

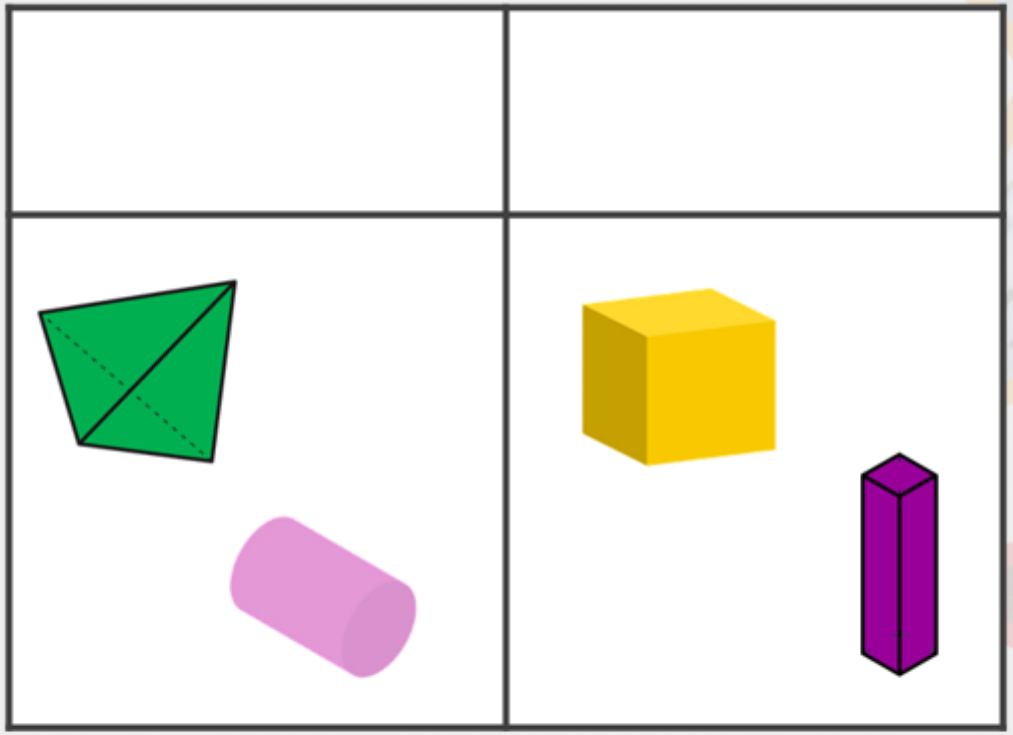
B. 

C. 

D. 

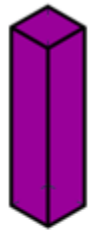
E. 

The shapes below have been sorted.
Use the word cards to label each column.



More than 5 faces	Fewer than 5 faces

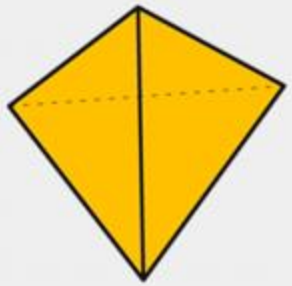
The shapes below have been sorted.
Use the word cards to label each column.

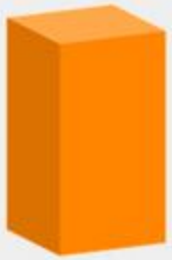
Fewer than 5 faces	More than 5 faces
 	 

More than 5 faces

Fewer than 5 faces

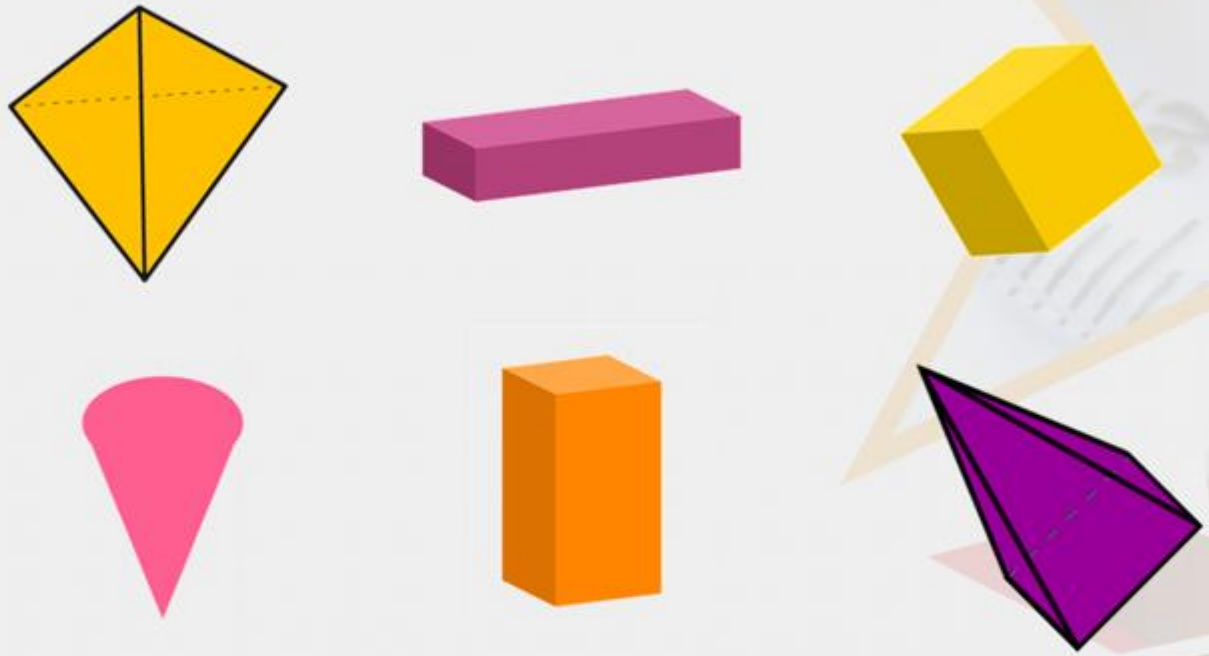
How could you sort these 3D shapes into 2 groups?





How would you label your groups?

How could you sort these 3D shapes into 2 groups?



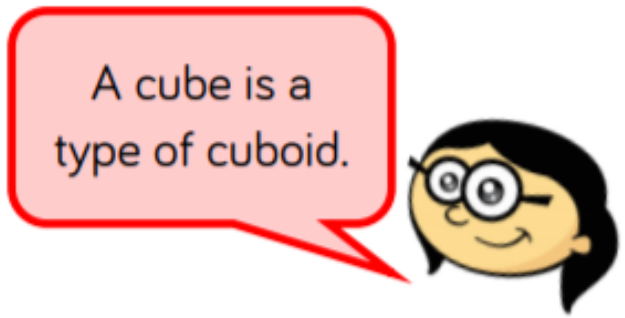
How would you label your groups?

Various answers, for example: triangular face/no triangular face; odd/even number of faces; odd/even number of vertices

One to discuss

Annie is sorting 3-D shapes.

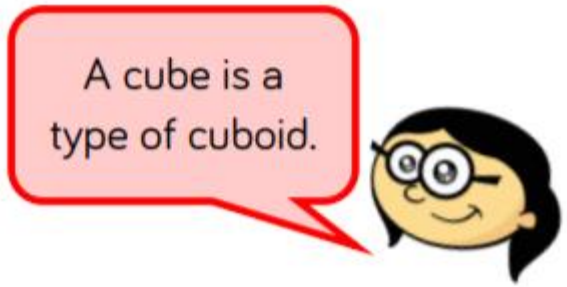
She puts a cube in the cuboid pile.



Do you agree? Why?

One to discuss

Annie is sorting 3-D shapes.
She puts a cube in the cuboid pile.



Do you agree? Why?

Annie is right.

They both have 6 faces.
They both have 12 edges.

A cube is a special kind of cuboid where all faces are squares.

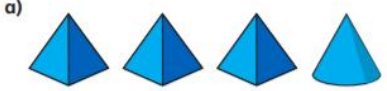
Your task today

Sort 3D shapes

White Rose Maths

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

a)



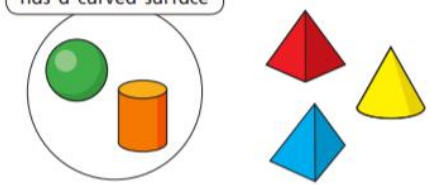
The odd one out is a _____.

b)

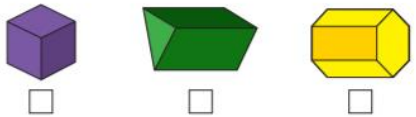
The odd one out is a _____.

2 Tick the shape that could go in the group.

has a curved surface



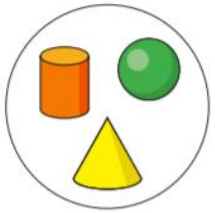
3 Tick the shape that could go in both groups.



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.

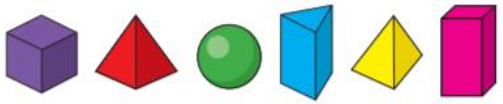
has 5 vertices

has 12 edges

has 1 curved surface

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

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



Group A

Group B

b) Give each of your groups a label.

Group A: _____

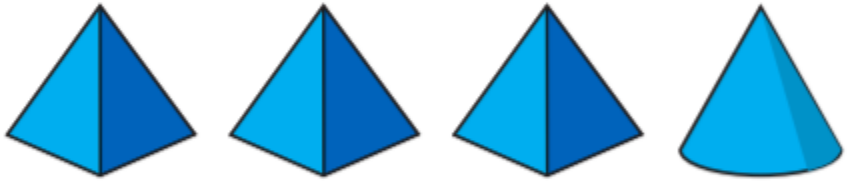
Group B: _____

Compare answers with a partner.

Sort 3D shapes

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

a)



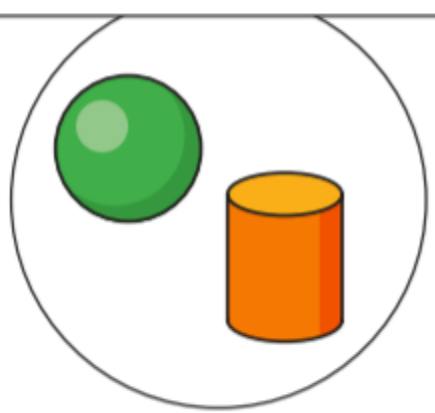
The odd one out is a _____.

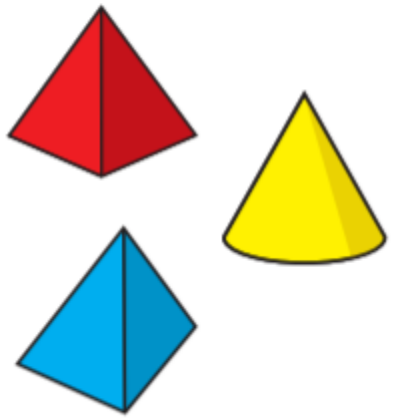
b)

The odd one out is a _____.

2 Tick the shape that could go in the group.

has a curved surface





3 Tick the shape that could go in both groups.

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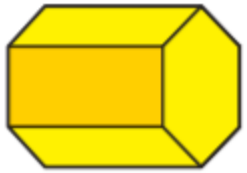

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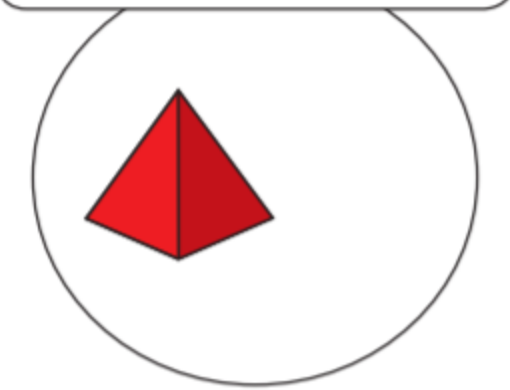
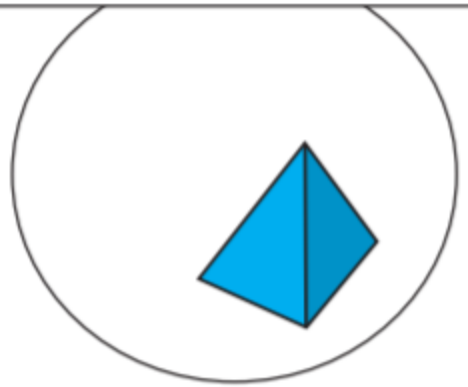
odd number of faces

even number of vertices





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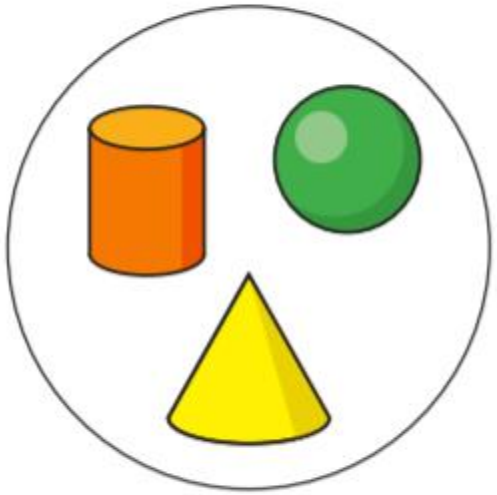
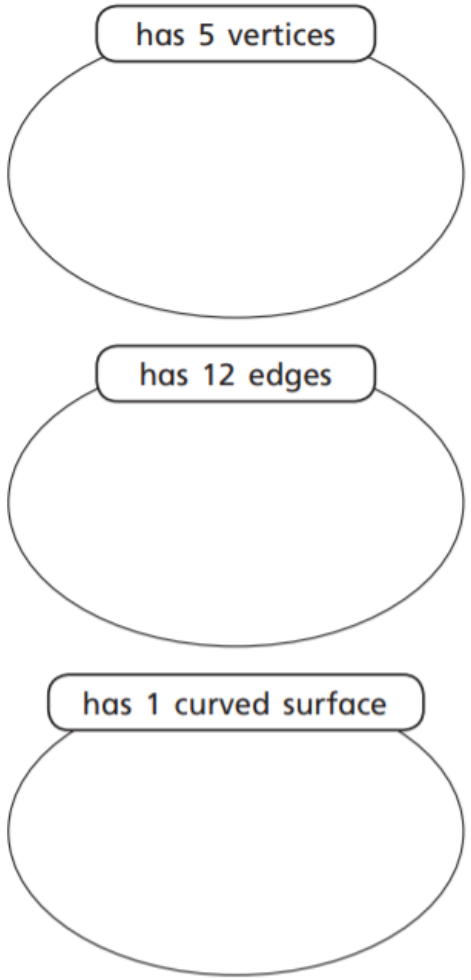
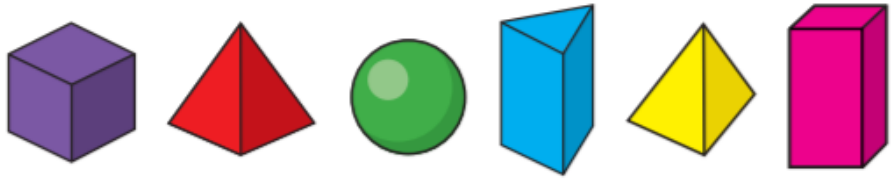


5 Write the name of a 3D shape that could go in each group.



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

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



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b) Give each of your groups a label.

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Compare answers with a partner.