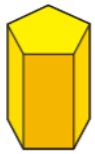
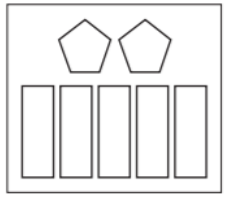
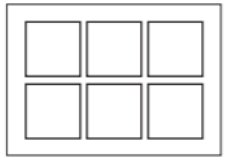
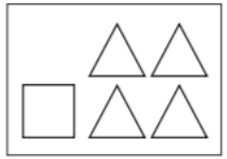
Count faces on 3D shapes

1 Match the shapes to the faces.







2 Complete the table.

Shape	Name	Number of faces
		
		
		
		

3

What shape is Jack describing?

4 Match the description to the shape.

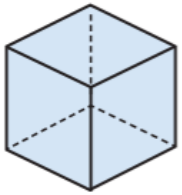
1 circular face and 1 curved surface
2 circular faces and 1 curved surface
4 triangular faces



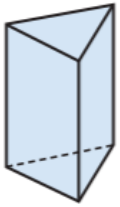
Count edges on 3D shapes

1 How many edges does each shape have?

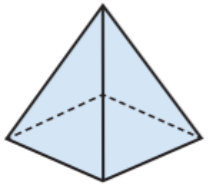
a)



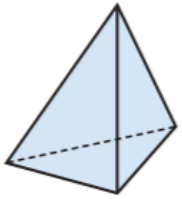
c)



b)



d)



2 Complete the table.

Shape	Name	Number of edges	Number of faces
			
			
			
			

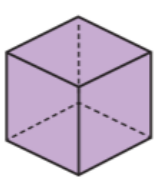
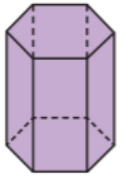
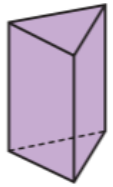
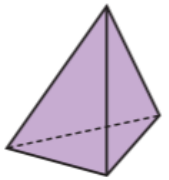
3

3D shapes always have more edges than faces.

Do you agree?

Why?

4 Use the clues to label the shape with the correct letter.

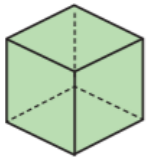





- Shape A has an odd number of edges.
- Shape B has the most edges.
- Shape C has the same number of edges as a cube has faces.
- The edges of shape D are all the same length.

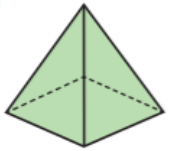
Count vertices on 3D shapes

1 How many vertices does each shape have?

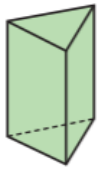
a)



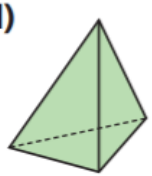
b)



c)



d)



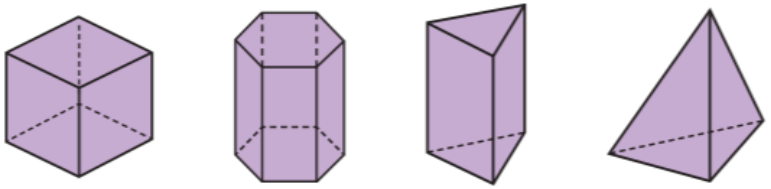
2 Complete the table.

Shape	Name	Number of vertices
		
		
		
		

Write the name of a different 3D shape with no vertices.

3 Write the shapes in order of the number of vertices.

Start with the shape that has the fewest vertices.



A B C D

4 Complete the sentences.

more fewer

a) A cube has _____ vertices than a sphere.

b) A sphere has _____ vertices than a cone.

c) A triangular prism has _____ vertices than a cuboid.