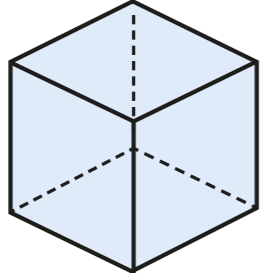
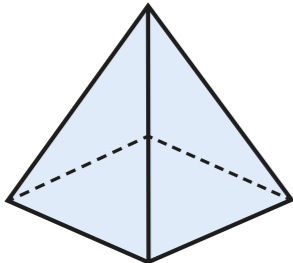
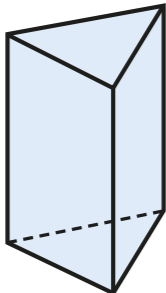


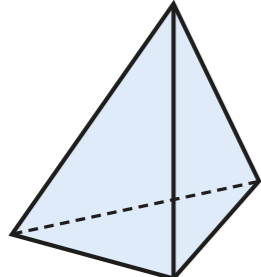
# Count edges on 3D shapes

1 How many edges does each shape have?


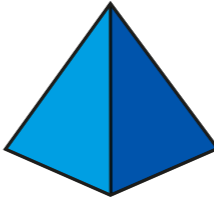
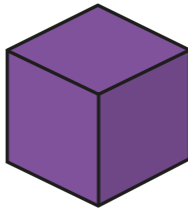
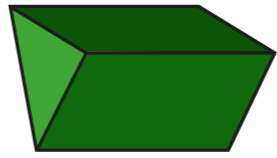
a)   edges

b)   edges

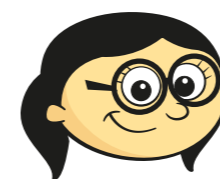
c)   edges

d)   edges

2 Complete the table.

Shape	Name	Number of edges	Number of faces
			
			
			
			

3



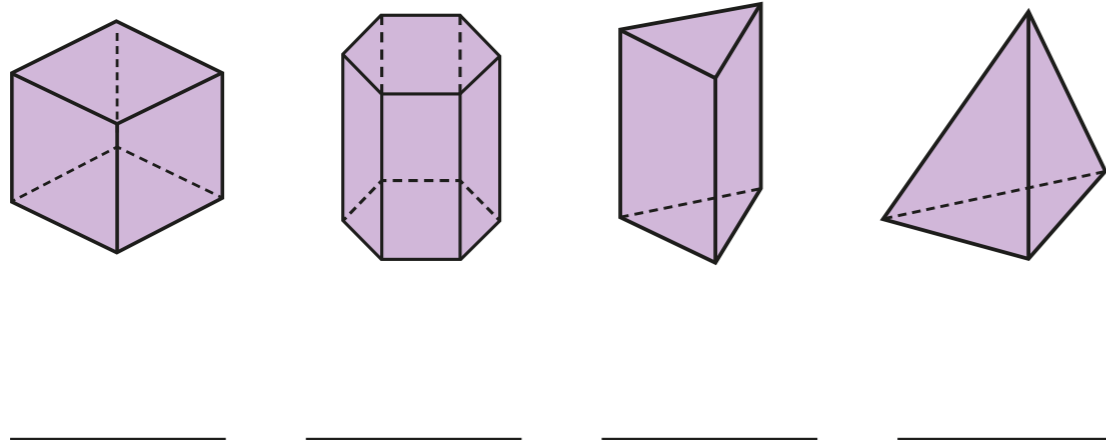
3D shapes always have more edges than faces.

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.

5 Write the name of two 3D shapes that have the same number of edges.

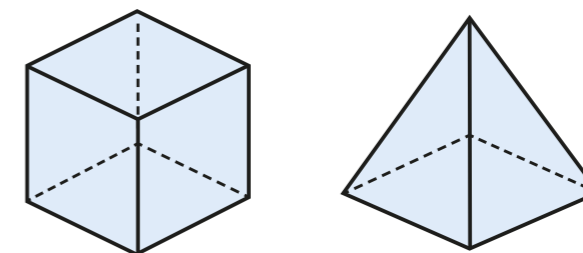
\_\_\_\_\_ and \_\_\_\_\_



6



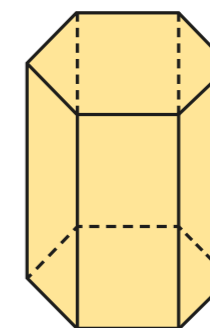
A cube has 6 faces and 12 edges, so a square-based pyramid must have 5 faces and 10 edges. The number of edges is always double the number of faces.



Do you agree with Teddy? \_\_\_\_\_

Why?

7 This hexagonal prism has 18 edges.



How many edges do you think a pentagonal prism has?

Why do you think this?

