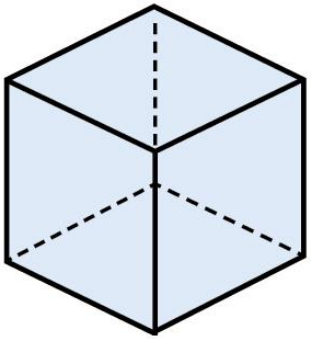
Count edges on 3D shapes

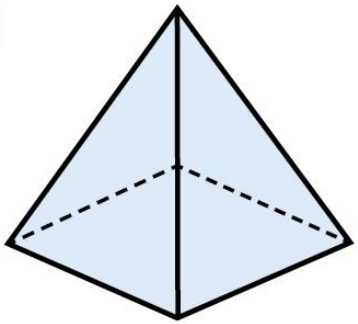
1 How many edges does each shape have?

a)



☐ edges

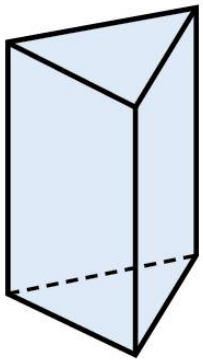
b)



☐ edges

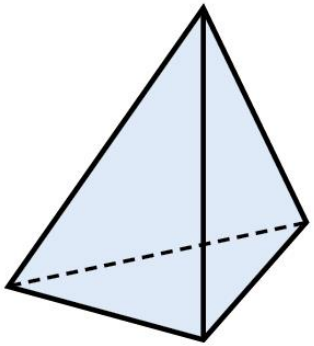
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1 c)



☐ edges

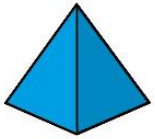
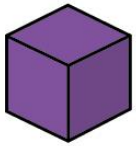
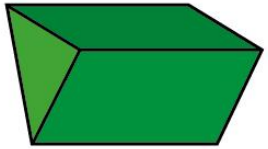
d)



☐ edges

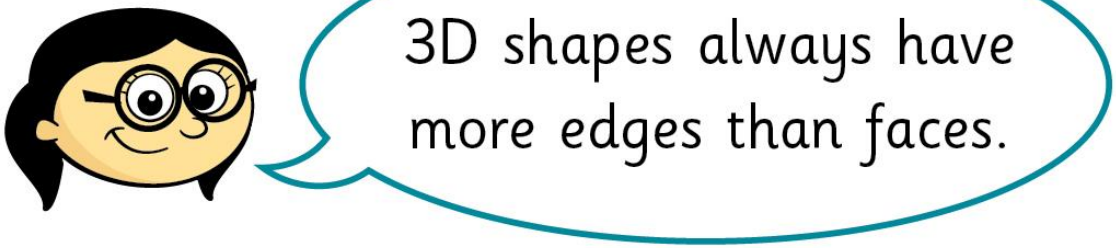
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2 Complete the table.

Shape	Name	Number of edges	Number of faces
			
			
			
			

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3

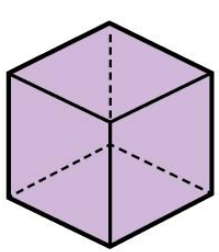


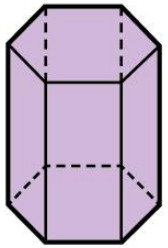
Do you agree? _____

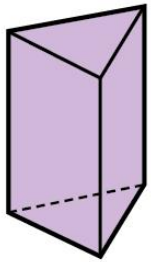
Why?

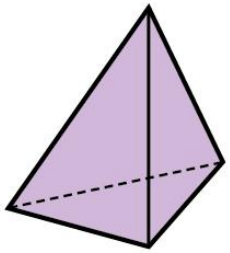
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4 Use the clues to label the shape with the correct letter.









_____ _____ _____ _____

- 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.

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

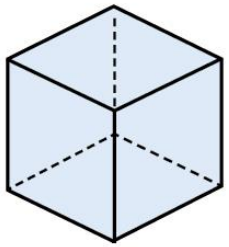
_____ and _____

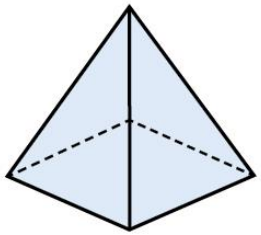
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6



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.



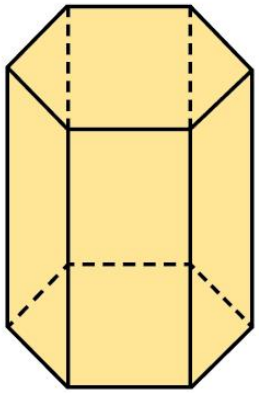


Do you agree with Teddy? _____

Why?

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7 This hexagonal prism has 18 edges.



How many edges do you think a pentagonal prism has?

Why do you think this?

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