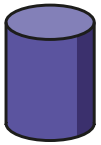
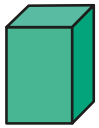
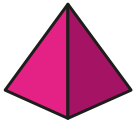
3-D shapes

1 Match each 3-D shape to its mathematical name.







cuboid

triangular prism

cube

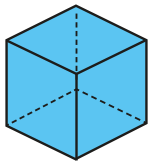
pyramid

sphere

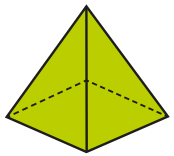
cylinder

2 How many faces, edges and vertices does each shape have?

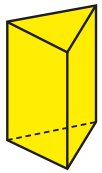
a)



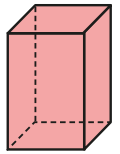
b)



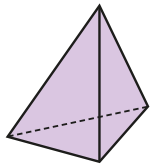
c)



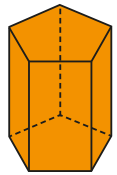
d)



e)



f)



3 Complete the sentences.

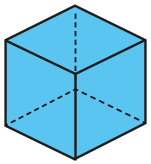
a) The faces of a _____ are all square.

b) A square-based pyramid has ☐ triangular faces and ☐ square face.

c) A _____ has 2 circular faces and a curved surface.

2 How many faces, edges and vertices does each shape have?

a)



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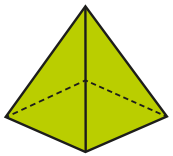

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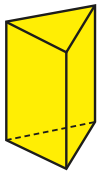

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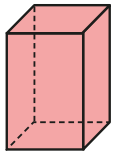

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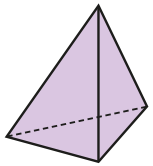

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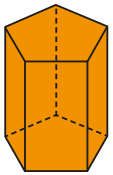


3 Complete the sentences.

a) The faces of a _____ are all square.

b) A square-based pyramid has ☐ triangular faces and ☐ square face.

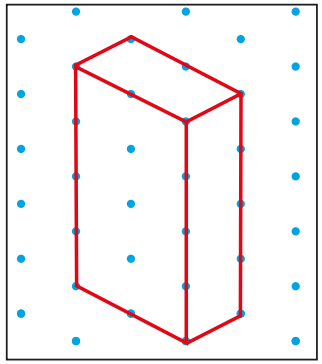
c) A _____ has 2 circular faces and a curved surface.

4 Ron has drawn some 3-D shapes on isometric paper.

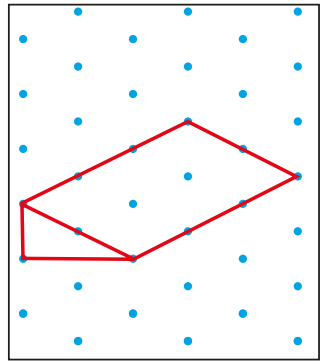
What shapes has Ron drawn?

How many faces, edges and vertices does each shape have?

a)



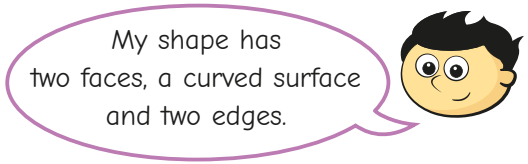
b)



5 Draw two different cuboids on isometric paper.

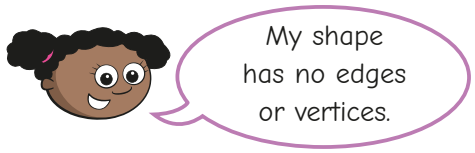
6 Jack and Whitney are thinking of 3-D shapes.

a)



What shape is Jack thinking of?

b)



What shape is Whitney thinking of?

Compare answers with a partner.