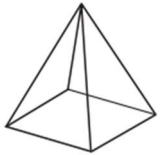


Please submit this work to your class teacher

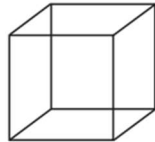
Counting edges on 3D shapes

Watch this video <https://youtu.be/UuKEf4L NtM> and have a go at these questions.

1. How many edges does each shape have?



edges



edges



edges

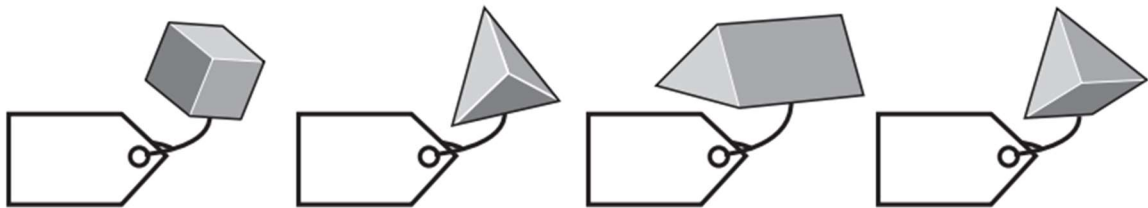
2. Use the clues to write the correct letter on each label.

Shape A has an odd number of edges.

Shape B has the most edges.

Shape C has four fewer edges than a cuboid.

Shape D is on the right of the cuboid.



3. Complete the sentences.

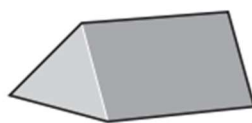
A _____ has 6 faces and 12 edges.

A _____ has 5 faces and 9 edges.

A _____ has 5 faces and 8 edges.



cube



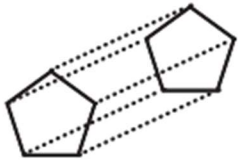
triangular prism



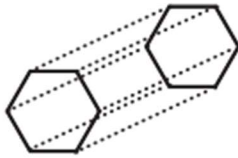
square-based
pyramid

4. Not all prisms have triangular ends.

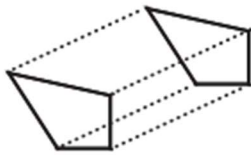
Complete the sketch and write the number of edges for each.



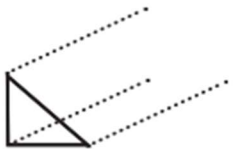
A pentagonal prism has edges.



A hexagonal prism has edges.



This prism has edges.



This prism has edges.

5. Is Amir correct?

Explain your answer.



Eva

My shape 3D shape has 12 edges.



Amir

Your shape could be a cube, cuboid or a pyramid.

Name: _____

Date: 25.2.2021



Challenge questions

6. Maddy made 5 triangular based pyramids using straws.

How many straws did she use in total?



7. Gabriel used 50 sticks to make a pentagon based pyramid.

How many did he make?

