5.5.21

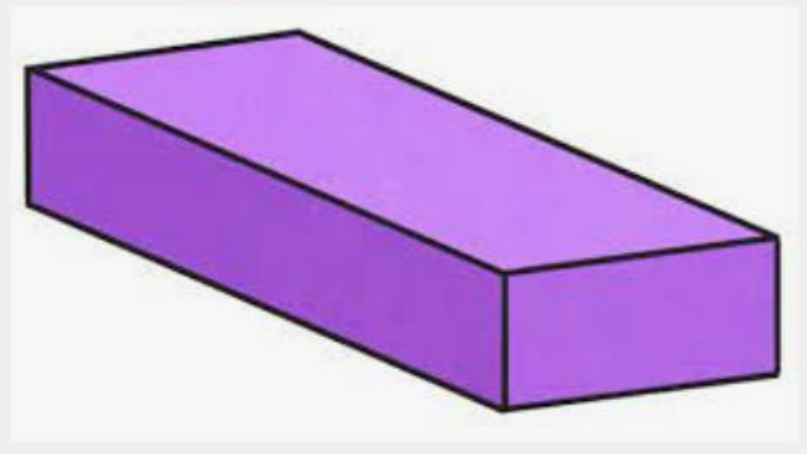
Properties of shape

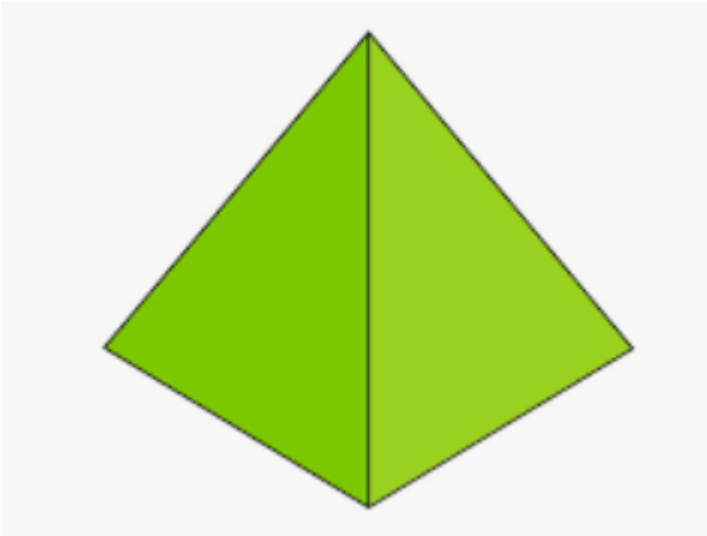
To make 3D shapes

FLUENCY

Recap

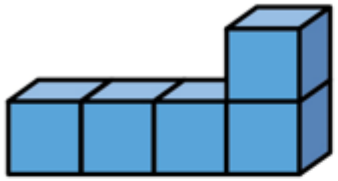
- What is a 3D shape?
- What properties do we use to describe a 3D shape?
- Describe:



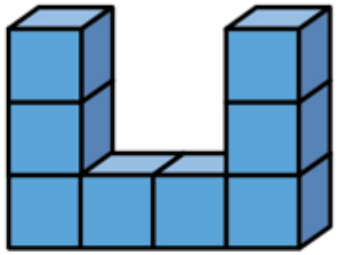


How many cubes do you need to make each 3D shape?

a)



c)



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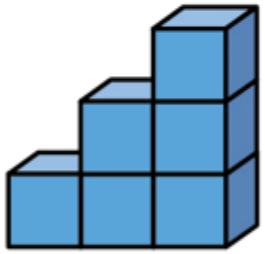
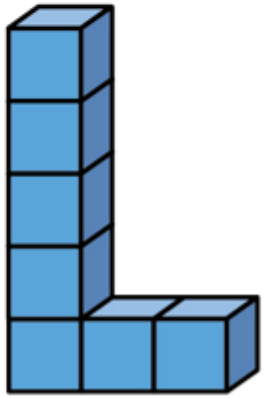


d)

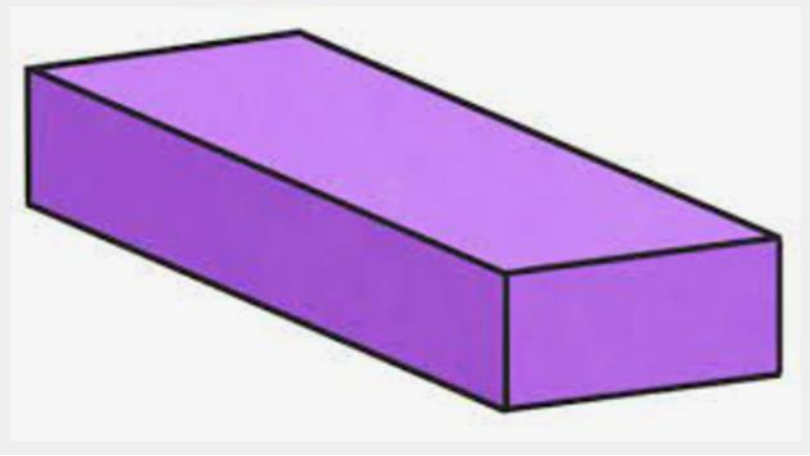


Your turn…

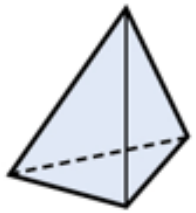
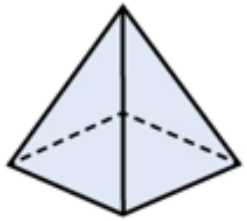
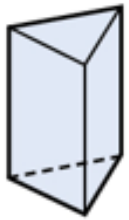
Work with a partner.

Take 6 cubes.

How many different cuboids can you make?



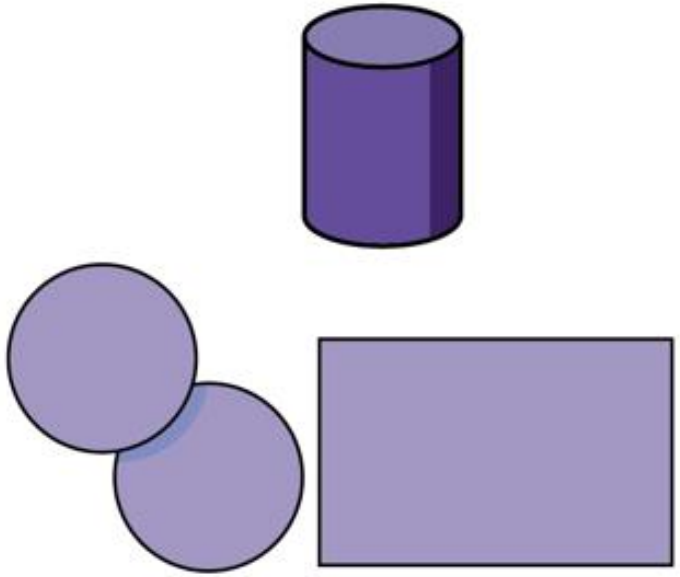
How many straws and marshmallows would you need to make each 3D shape?

3D shape	Number of edges (straws)	Number of marshmallows (vertices)
		
		
		

Mo is trying to make a cylinder.

He has some circles of paper and some rectangular card.

I do not think I can make the cylinder from these.



Show how Mo can make the shape.

Talk about it with a partner.

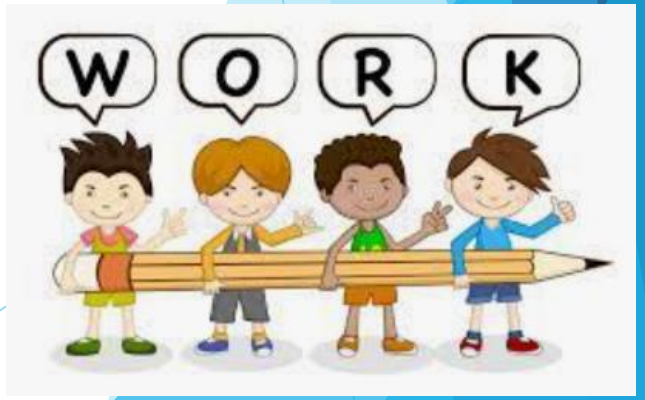
Nets of a cube

YOUR TASK

Stick the questions in your book and complete the questions.

Miss Wakefield – working with Riley Ws table

Mrs Clutton – working with Gracie's table

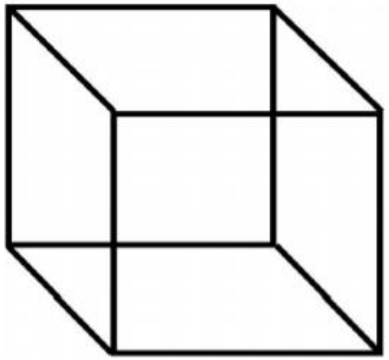


True or False?

When building a 3D shape using straws, the number of straws you need is equal to the number of edges the shape has.

TRUE

When building a 3D shape, the number of straws you need is equal to the number of edges.



A cube has 12 edges so would need 12 straws.