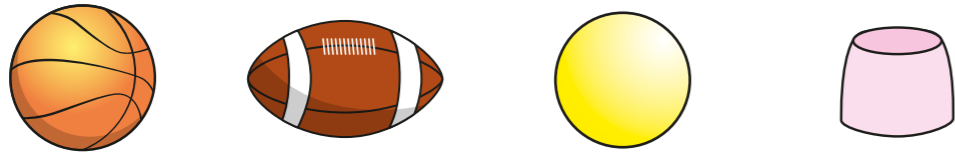
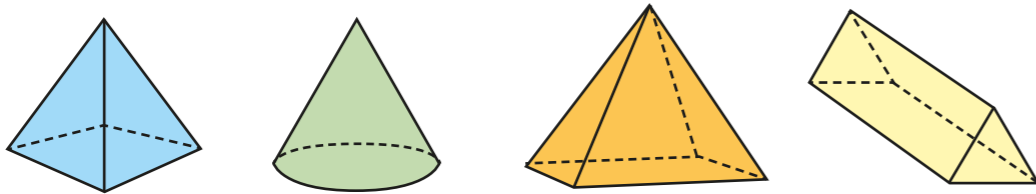


1 Here are some shapes.

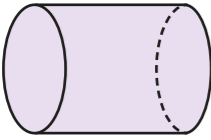
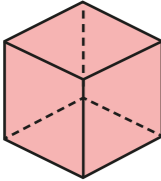
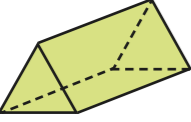
a) Tick all the spheres.



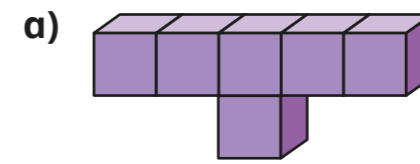
b) Tick all the pyramids.

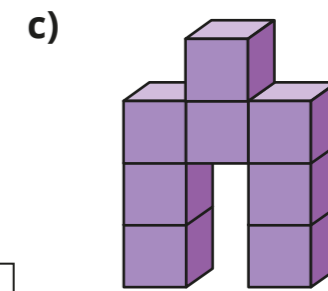


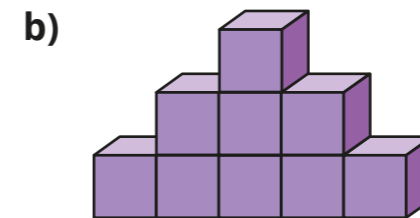
2 Complete the table.

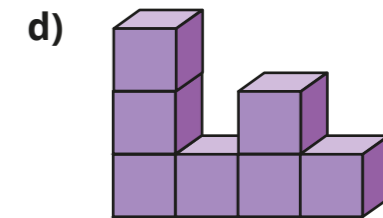
| Shape   | Number of edges | Number of vertices | Number of faces | Number of curved surfaces |
|---|-----------------|--------------------|-----------------|---------------------------|
|  |                 |                    |                 |                           |
|  |                 |                    |                 |                           |
|  |                 |                    |                 |                           |

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










4 How many different cuboids can you make with eight cubes?

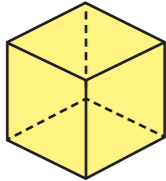
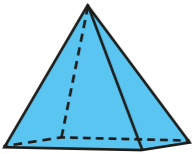
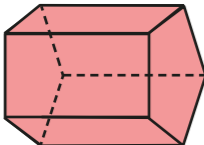
Draw your cuboids.

Compare answers with a partner.

What is the same? What is different?



- 5 Alex is making shapes using straws and marshmallows.  
How many straws and marshmallows does she need to make each 3-D shape?

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

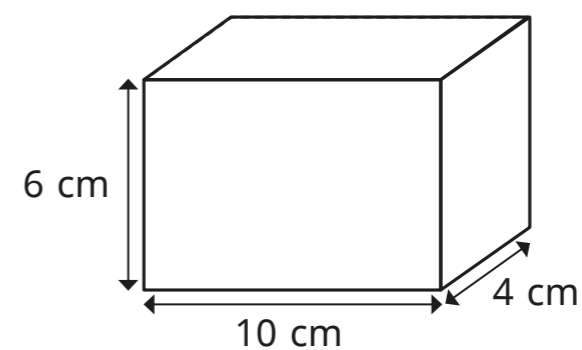
- 6 Try to make the shapes using cubes.



Is it possible? \_\_\_\_\_  
Talk about your answer with a partner.



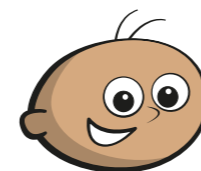
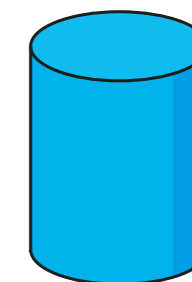
- 7 Here is a cuboid.



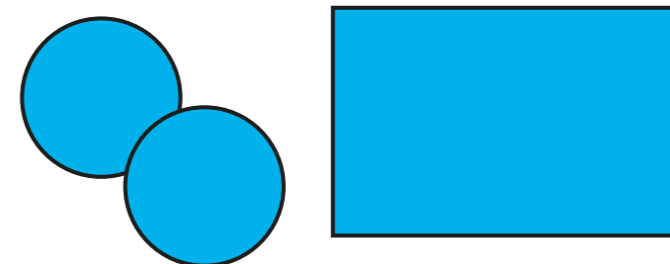
- a) Shade a face that is a 6 cm by 4 cm rectangle.  
b) What are the measurements of one of the other faces?

cm by  cm

- 8 Tommy is trying to make a cylinder.  
He has some circles of paper and some rectangular card.



I do not think that I can make a cylinder from these.



Is Tommy correct? \_\_\_\_\_  
Talk about it with a partner.

