Make 3D shapes

1 Take 8 cubes.

Make each of the 3D shapes.

a)

c)

b)

d)
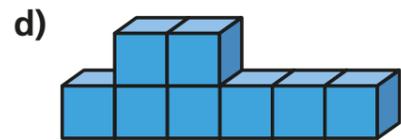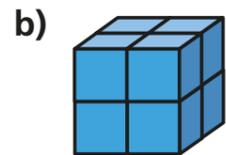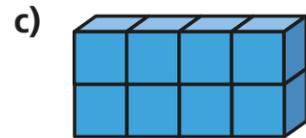
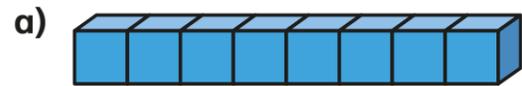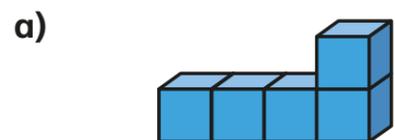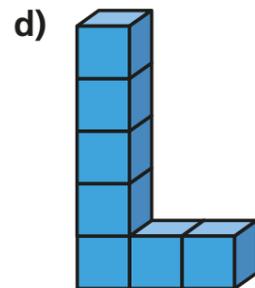**2** How many cubes do you need to make each 3D shape?
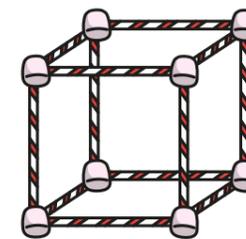
a)

c)

b)

d)
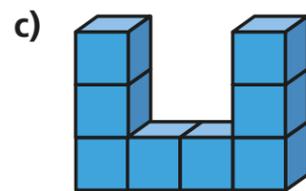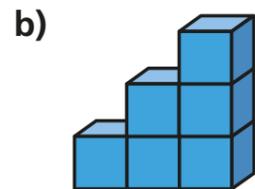
3 Take 6 cubes.

How many different cuboids can you make?

Draw them here.

Compare answers with a partner.

What is the same? What is different?

4 Annie makes a cube using some straws and marshmallows.

a) What did she use to make the edges of the cube?
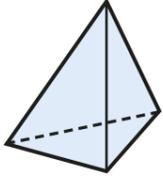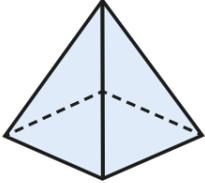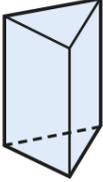
_____

b) How many edges does the cube have?
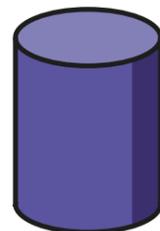
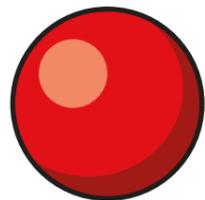c) What did she use for the vertices of the cube?

_____

d) How many vertices does the cube have?

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

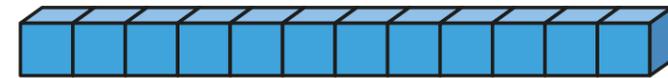| 3D shape	Number of edges (straws)	Number of marshmallows (vertices)

6 Try to make the shapes using cubes.
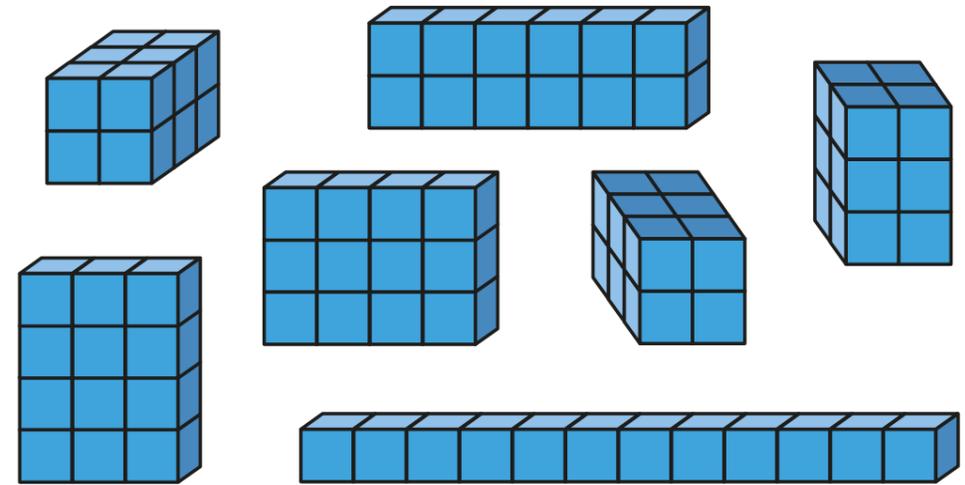

Is it possible? _____

Talk to a partner about what you found.
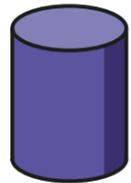
7 Filip has 12 cubes.
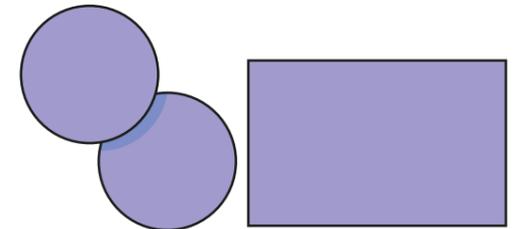

He puts them together to make cuboids.

How many **different** cuboids has Filip made?

8 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.