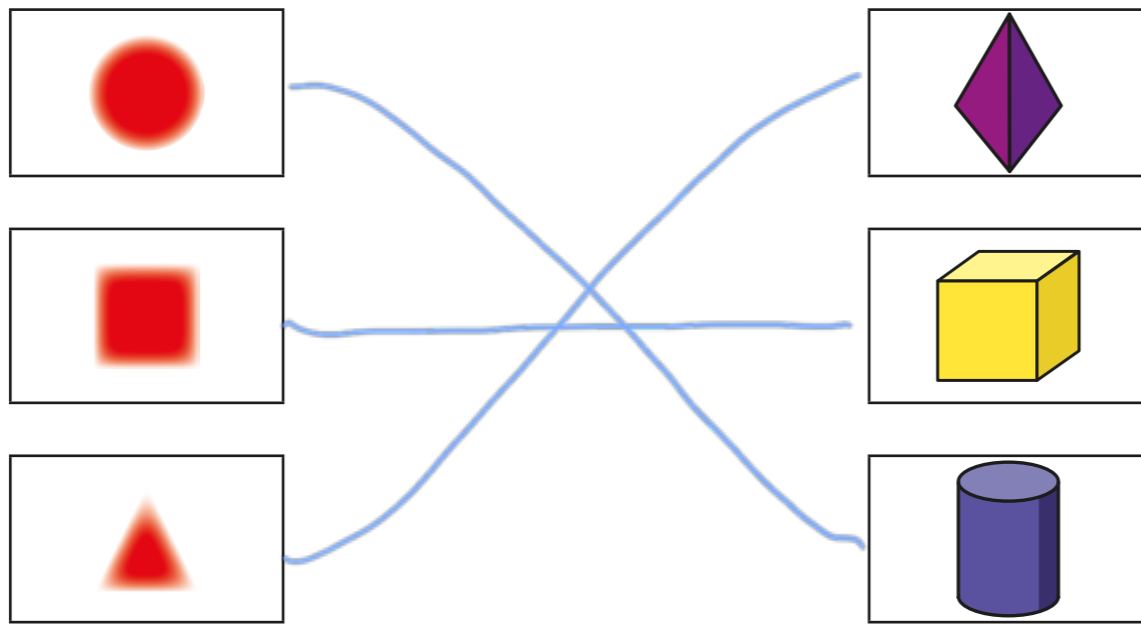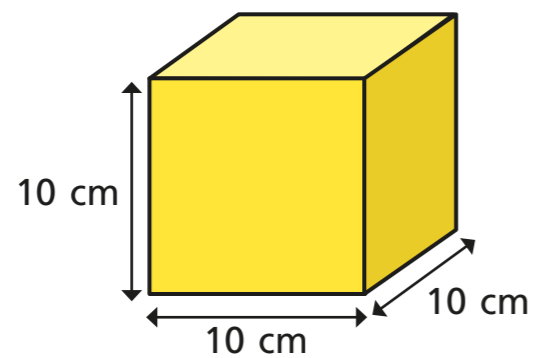# Recognise and describe 3D shapes

1 Kim paints the faces of some 3D shapes.

She stamps the faces on to a sheet of paper.

Match the stamp to the 3D shape.
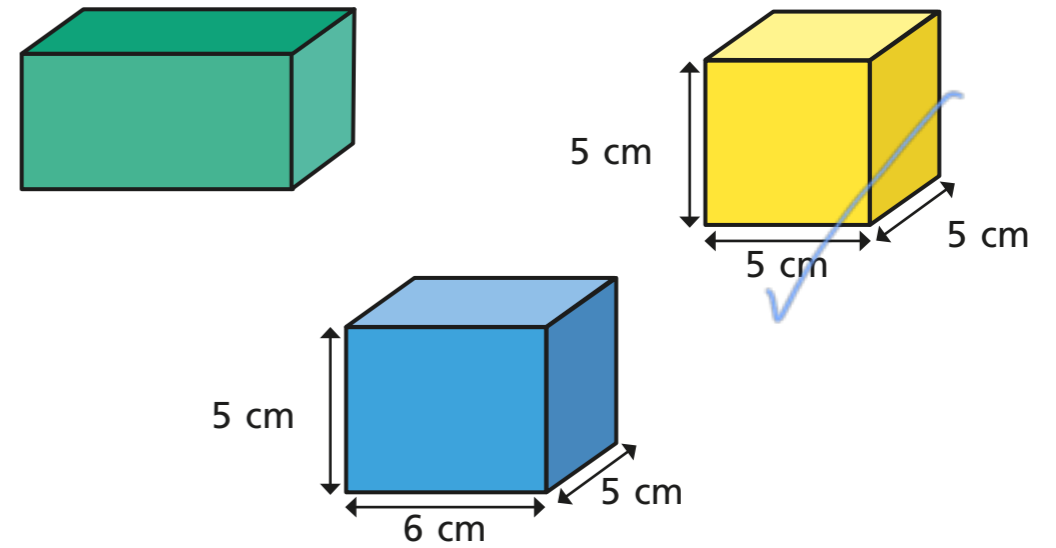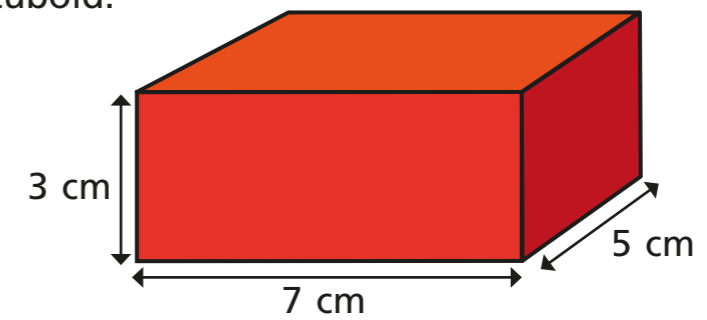
2 A cube is a special type of cuboid.

10 cm

10 cm

10 cm

What is special about each face of a cube?

Talk about it with a partner.
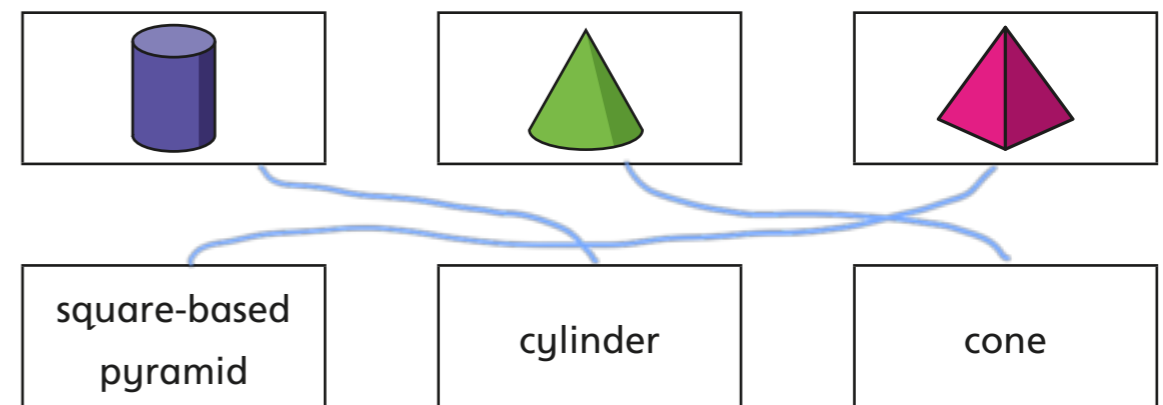
3 Which of the shapes is a cube? Tick your answer.

5 cm

5 cm

5 cm

5 cm

5 cm

6 cm

4 Here is a cuboid.

3 cm

7 cm

5 cm

What do you notice about the opposite faces of a cuboid?

They are identical.

5 Match the 3D shapes to the labels.
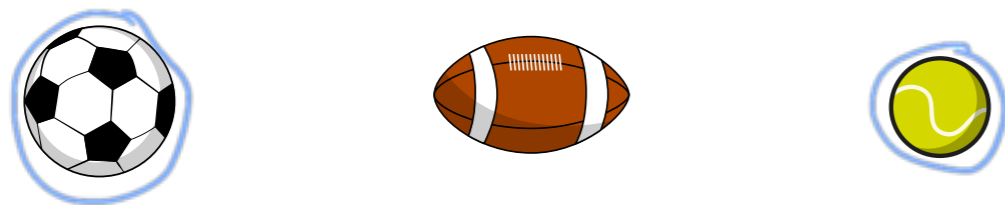
square-based pyramid

cylinder
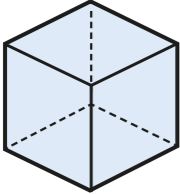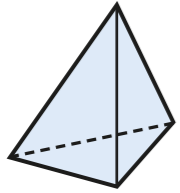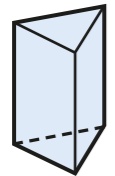
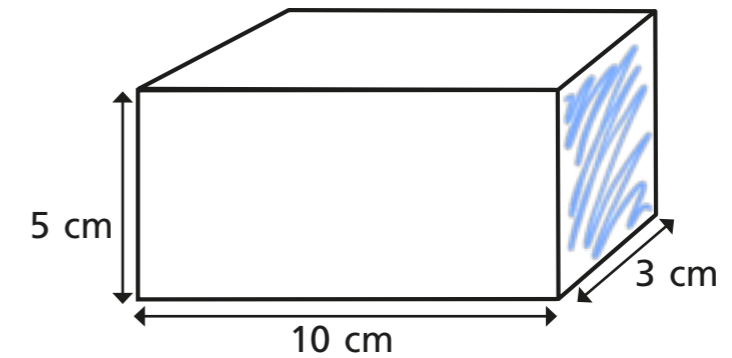cone

6 Here are some shapes.

a) Circle all the triangular prisms.
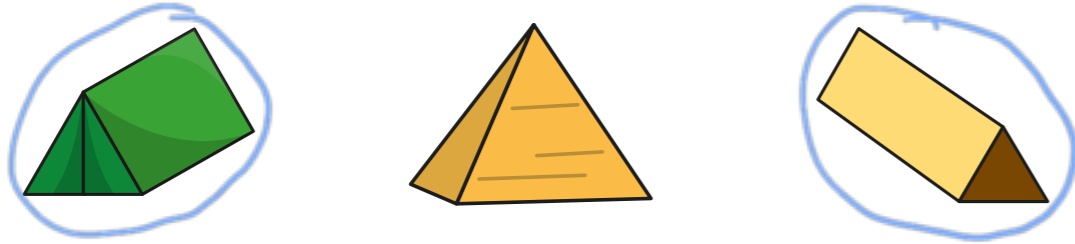
b) Circle all the spheres.

7 Complete the table.

Shape	Number of edges	Number of faces	Number of vertices
	12	6	8
	6	4	4
	9	5	6

8 Here is a cuboid.
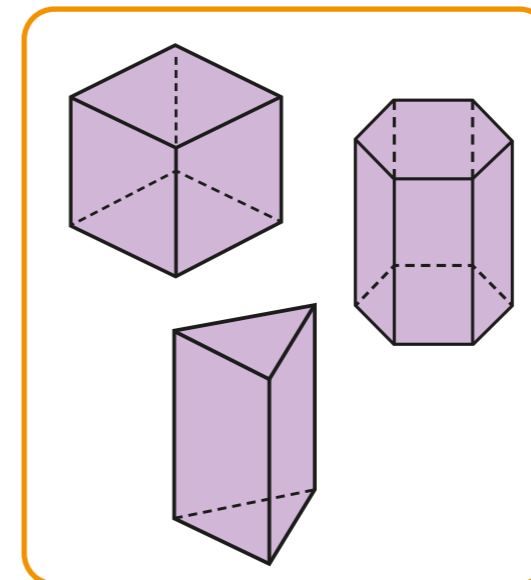

5 cm

3 cm

10 cm

a) Shade a face that is a 5 cm by 3 cm rectangle.

b) What are the measurements of one of the other faces?
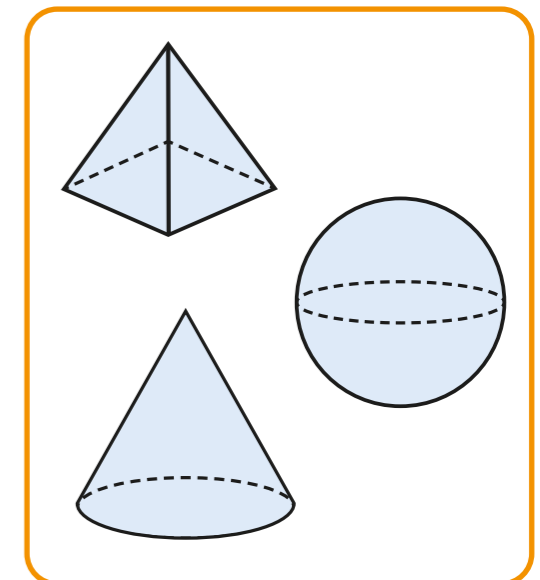
e.g. 10 cm by 5 cm

9 Huan sorts some shapes into prisms and non-prisms.

Prisms

Non-prisms

Talk to a partner about what a prism is like.

Can you find any prisms and non-prisms in your classroom?