

## Classifying three dimensional shapes

I am learning to classify cubes, cylinders and spheres.

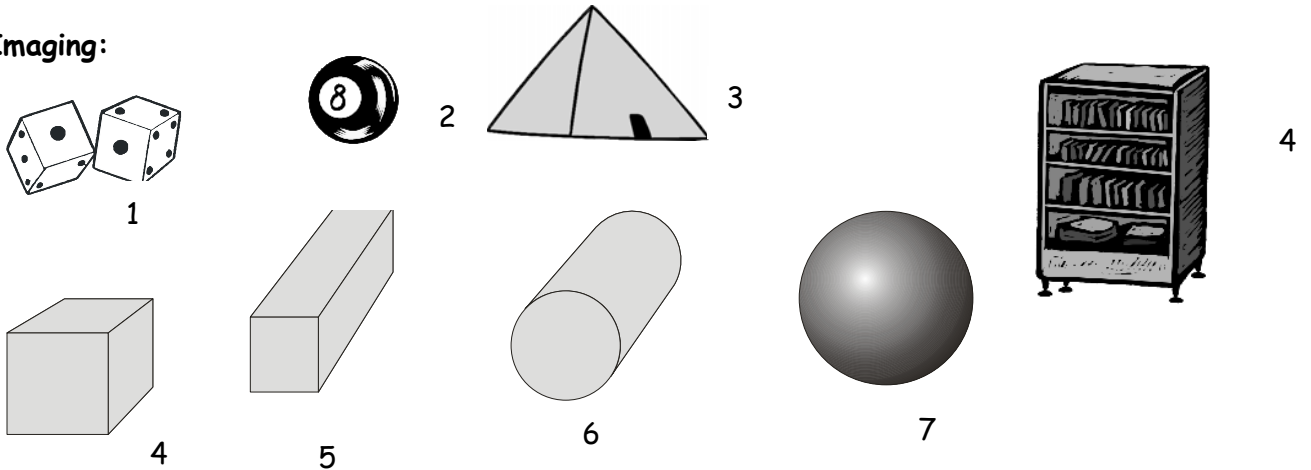
**Materials:**

Complete the sentences below:

1) A cube has ..... faces. The shape of these faces is a .....

2) A cylinder has ..... faces. Two of the faces are .....

**Imaging:**

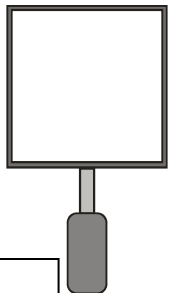


3) Put the number of the shapes above in the correct column below.

Cube	Cylinder	Other

**Extended mathematical thinking:**

Andrew made this gadget to work out whether a shape is a cube or not. If all the edges of a shape squeeze through the box whilst brushing against all the sides of the gadget it is a cube.



4) Design a gadget that can identify cylinders. Remember to explain how it works.