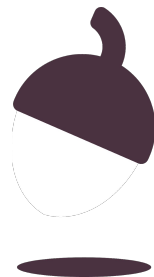Mathematics

Coordinates and shapes:
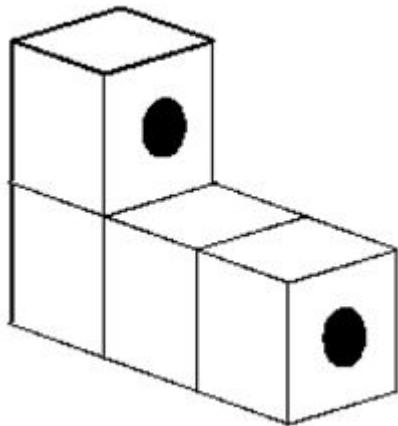# Solve problems involving 3-D shapes.

Independent Task

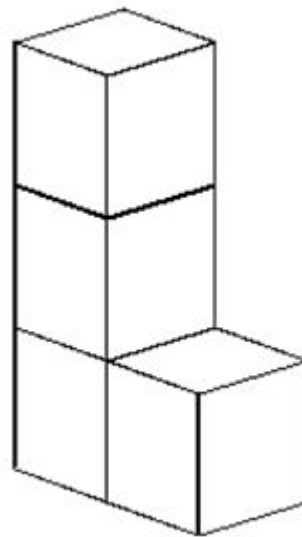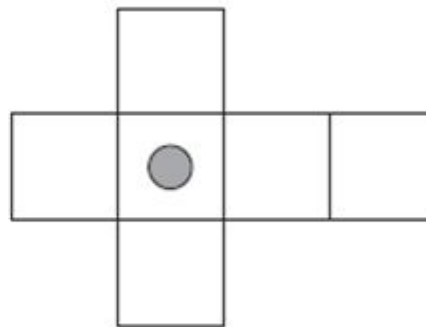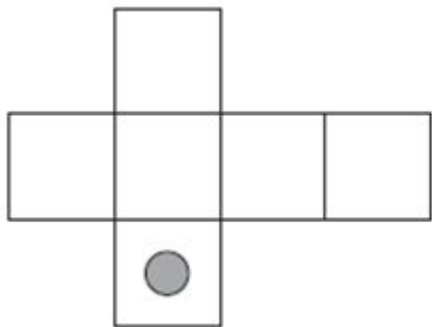Miss Parsons

OAK
NATIONAL
ACADEMY

Sope moves his shape.

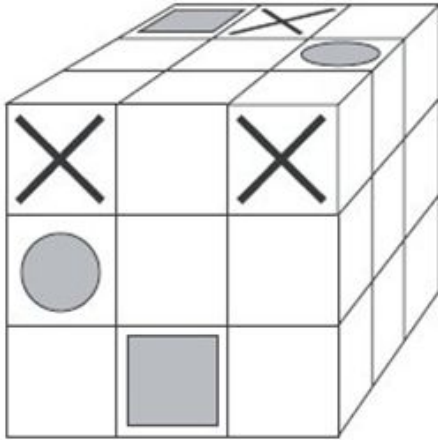Draw the circles on the shape in its new position.

On each shape, draw one more dot so that they have dots on opposite faces.
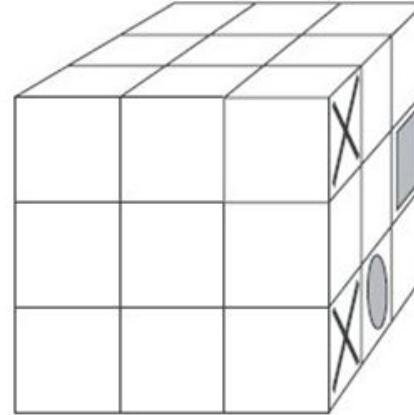
Question 3

Cubes have been stuck together to make this block.

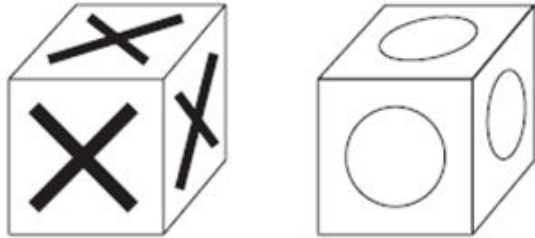The block has a pattern on two faces.

The block is turned to the position below.

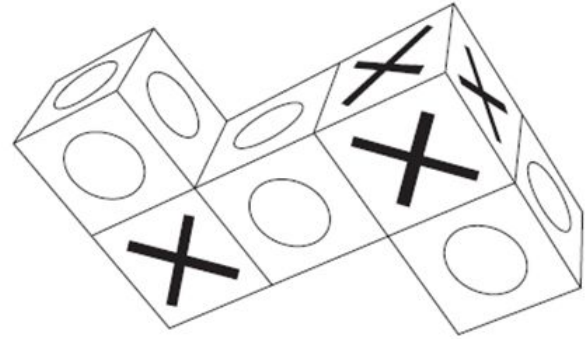Draw the missing parts of the pattern on it.

Iman has some cubes with a cross on each face and some cubes with a circle on each face.

She sticks five cubes together to make this shape.

How many crosses and how many circles are there on the **outside** of the shape?
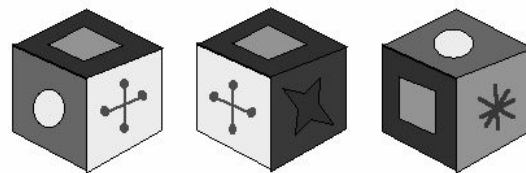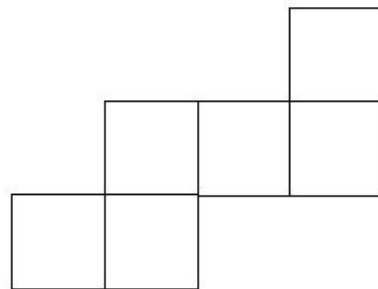
Here are the six faces of a cube, in no particular order.

Here are three views of the cube:

Can you deduce where the faces are in relation to each other and record them on the net of this cube?

Source: The Nrich Maths Project Cambridge

6