



BOOSTER WORKBOOK

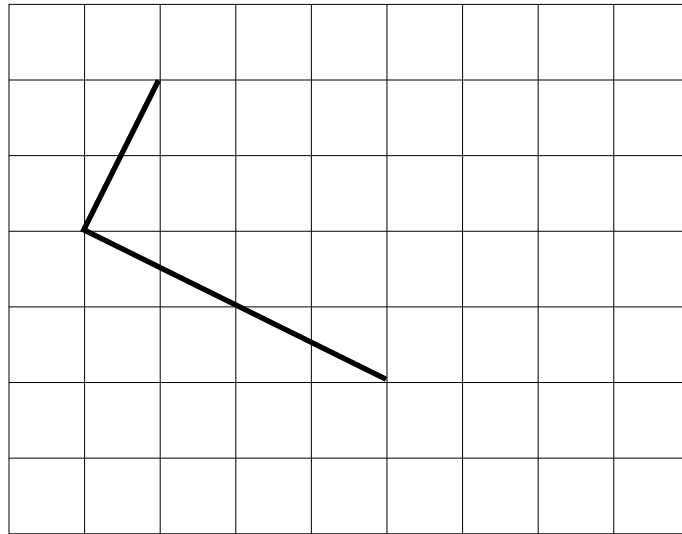
Geometry G3

**Draw and make shapes,
relate 2-D and 3-D shapes**

1

Draw **two more straight lines** to make a rectangle.

Use a ruler.

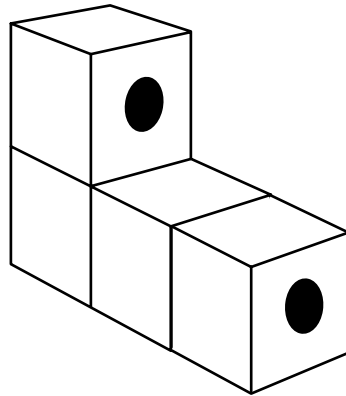


1 mark

2

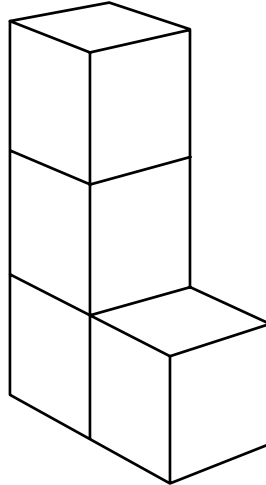
Tom makes this shape from four cubes stuck together.

Two circles are drawn on the shape.



Tom moves the shape.

Draw the **circles** on the shape in its new position.



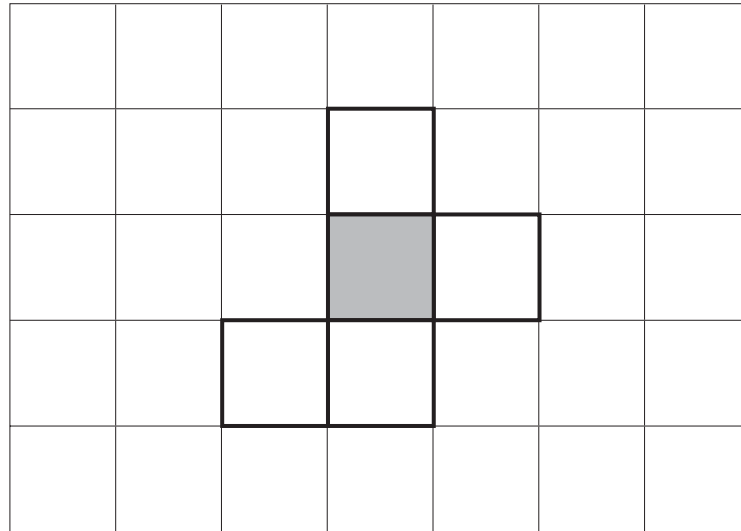
1 mark

3

Here is the net of a cube with no top.

The shaded square shows the bottom of the cube.

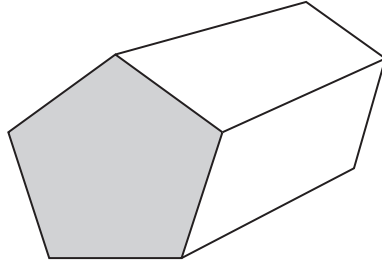
Draw an extra square to make the net of a cube which does have a top.



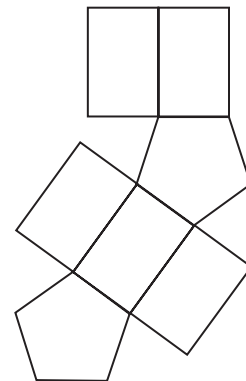
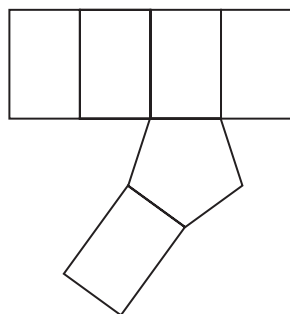
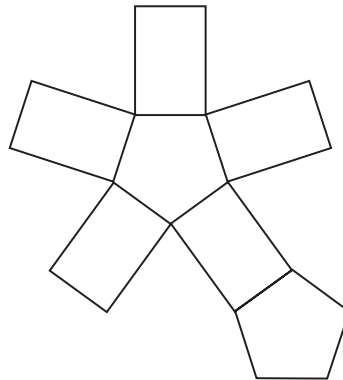
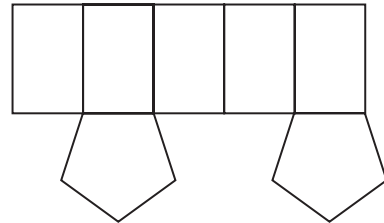
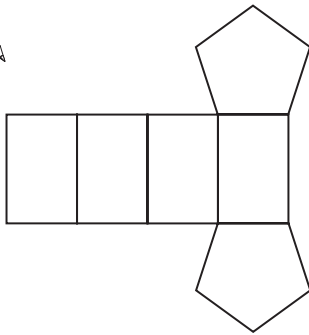
1 mark

4

This is a drawing of a pentagonal prism.



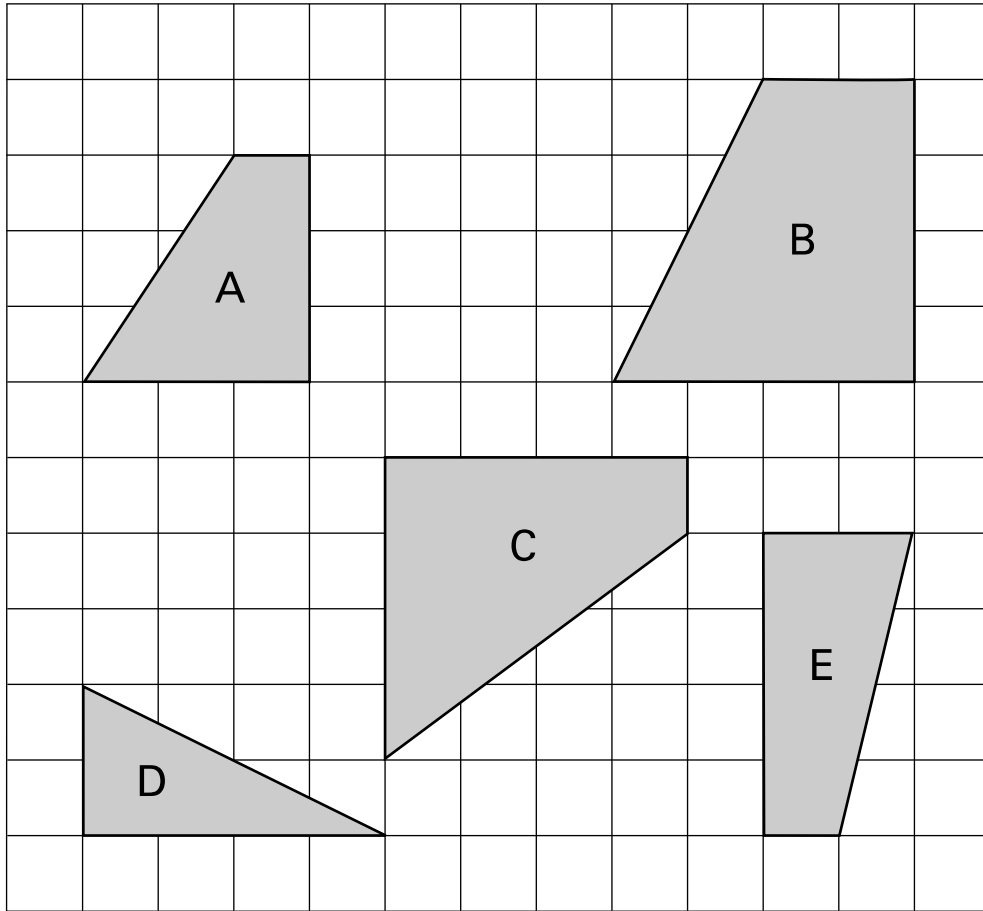
Tick (✓) the one shape that is a net for the pentagonal prism.



1 mark

5

Here are five shapes on a square grid.



Which **two** shapes fit together to make a **square**?



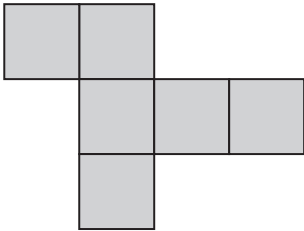
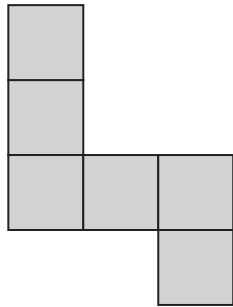
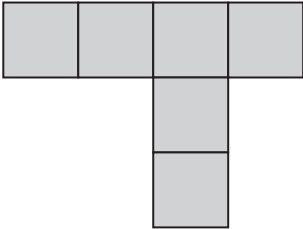
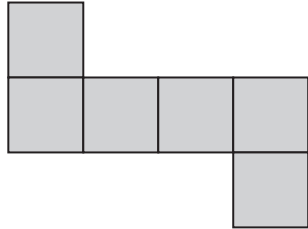
..... and

1 mark

6

Here are four diagrams.

On each one put a tick (✓) if it is a net of a cube.
Put a cross (✗) if it is not.

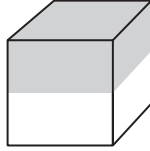


2 marks

7

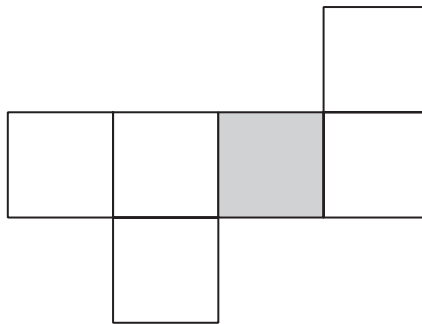
Here is a cube.

The cube is shaded all the way round so that the top half is grey and the bottom half is white.



Here is the net of the cube.

Complete the shading.



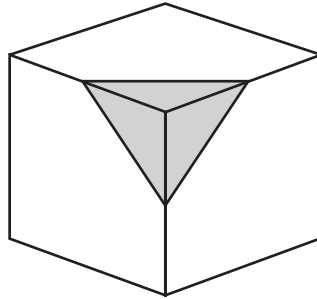
16i

16ii

2 marks

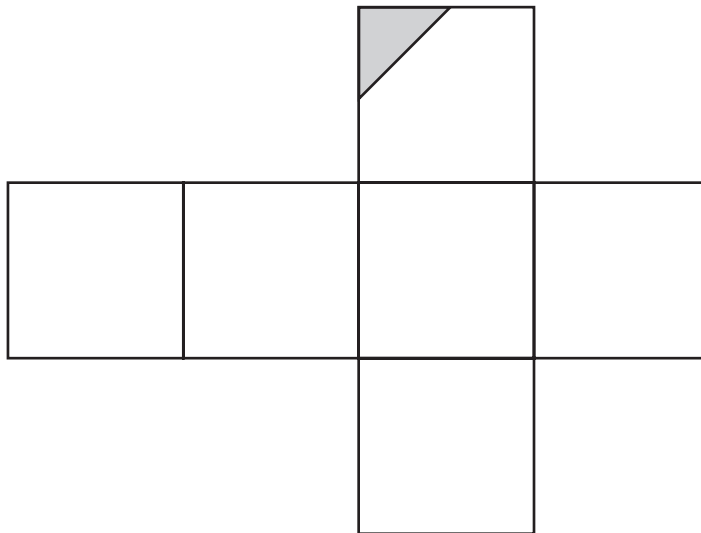
8

A cube has shaded triangles on three of its faces.



Here is the net of the cube.

Draw in the two missing shaded triangles.

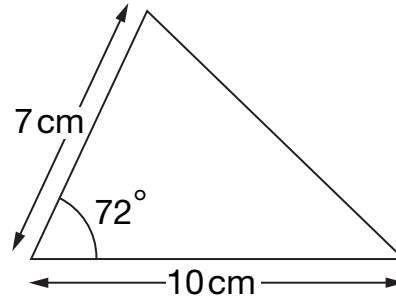


1 mark

9

Here is a sketch of a triangle.

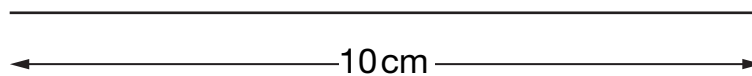
It is not drawn to scale.



Draw the full-size triangle **accurately** below.

Use a protractor (angle measurer) and a ruler.

One line has been drawn for you.



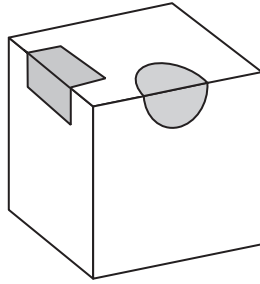
21i

21ii

2 marks

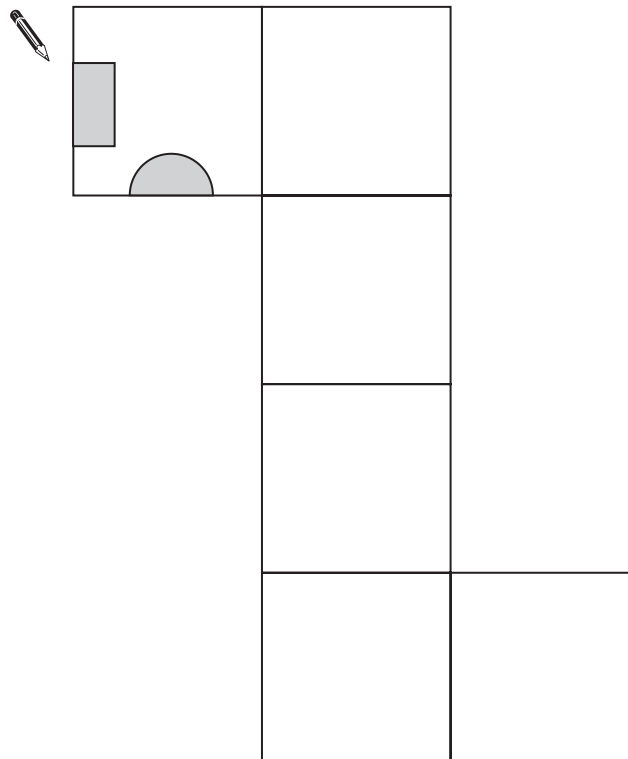
10

A cube has shaded shapes on three of its faces.



Here is a net of the cube.

Draw in the two missing shaded shapes.



1 mark