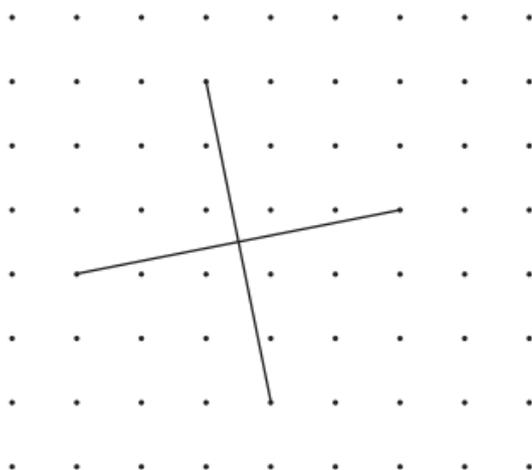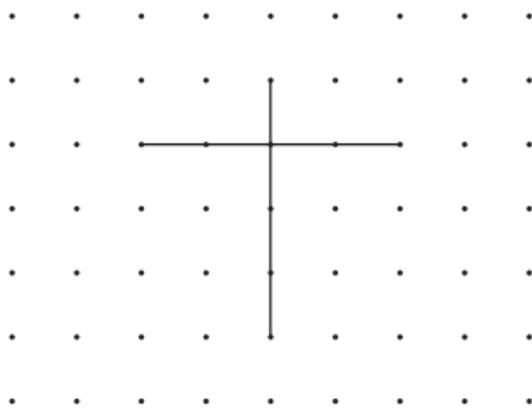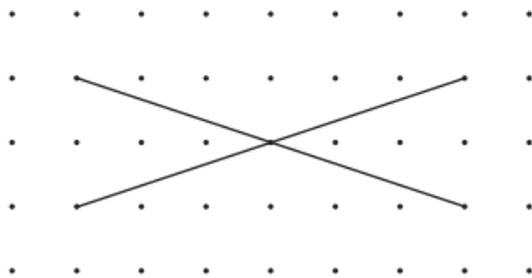# Shape Nets- Questions

Key Stage 2: 2003 Paper A

1.

15 These diagrams show the **diagonals** of three **quadrilaterals**.

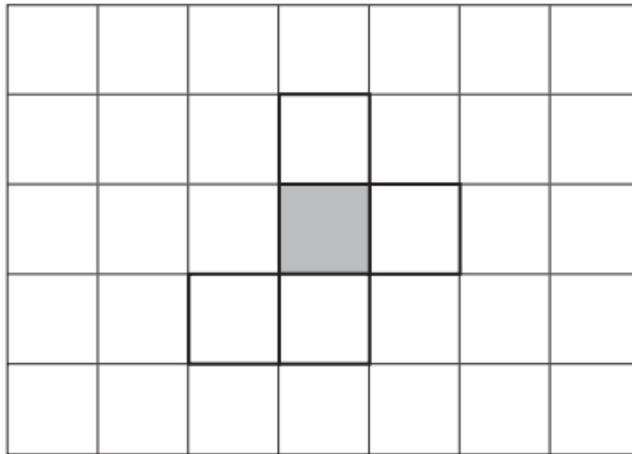Write the names of the quadrilaterals in the boxes.

1.

8 Here is the net of a cube with no top.

The shaded square shows the bottom of the cube.

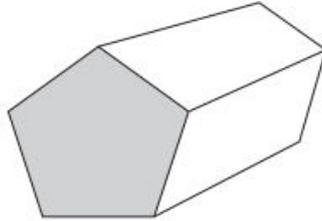Draw an extra square to make the net of a cube which does have a top.
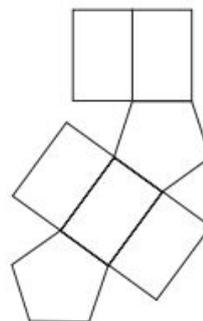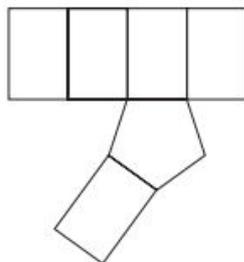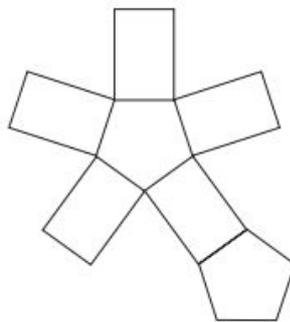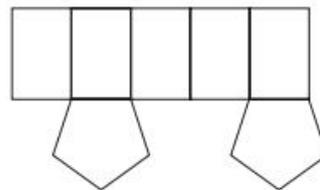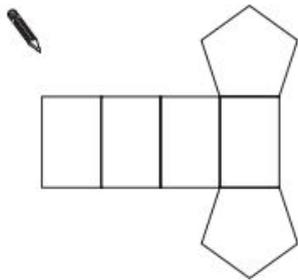
8

1 mark

Key Stage 2: 2004 Paper A

1.

13 This is a drawing of a pentagonal prism.

Tick (✓) the one shape that is a net for the pentagonal prism.
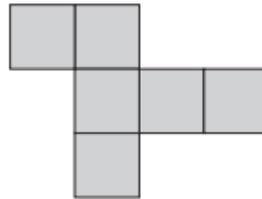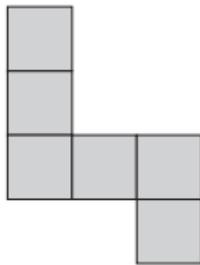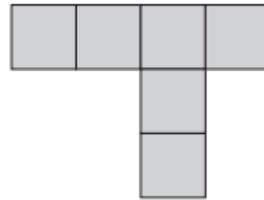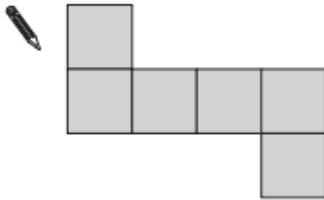
Key Stage 2: 2005 Paper A

1.

16 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.
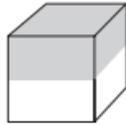

16i

16ii

2 marks

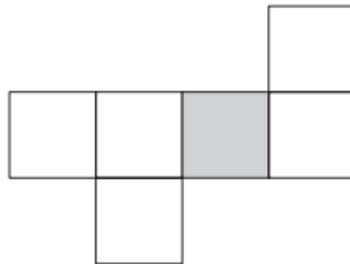Key Stage 2: 2006 Paper B

1.

16 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.

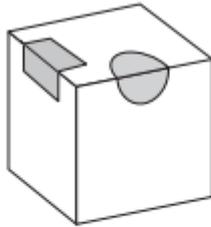Here is the net of the cube.

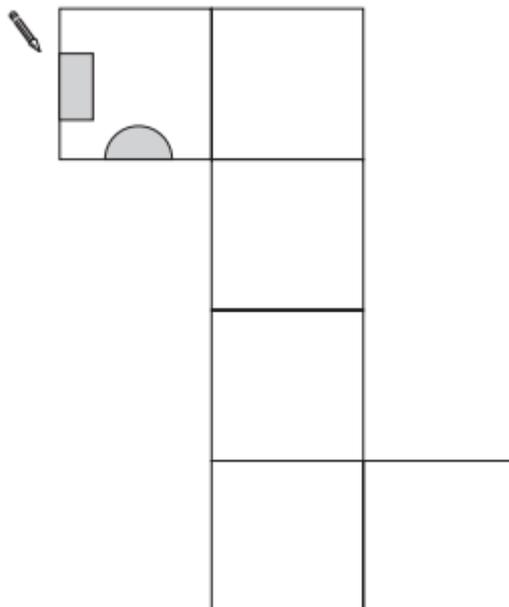Complete the shading.

16i

16ii

2 marks

Key Stage 2: 2007 Paper A

1.

22   A cube has shaded shapes on three of its faces.

Here is a net of the cube.

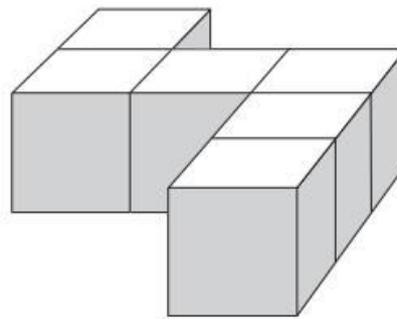Draw in the two missing shaded shapes.

22

1 mark

1.

17 Emily has 6 cubes.

She sticks them together to make this model.

She paints the sides of the model grey all the way round.

She leaves the top and the bottom of the model white.

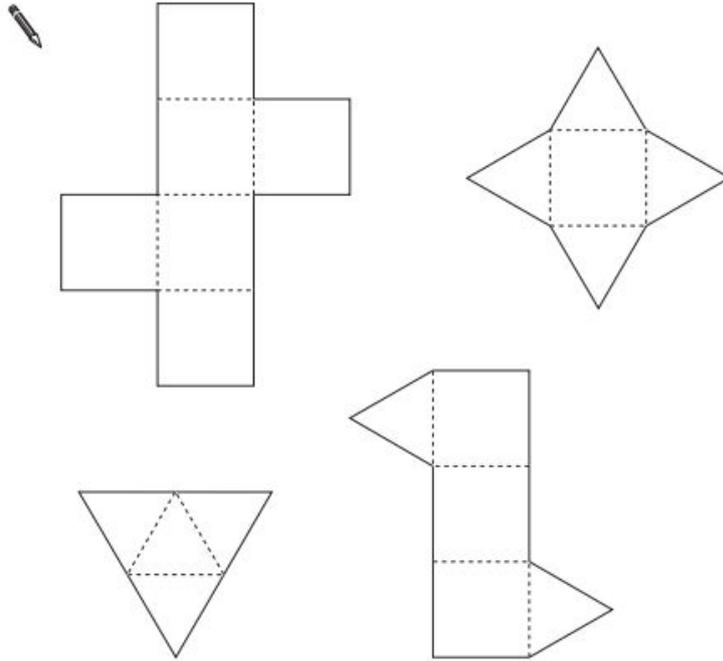How many of the cubes in the model have **exactly two** faces painted grey?

17

1 mark

Key Stage 2: 2008 Paper B

1.

5   Here are some nets of shapes.

For each net, put a tick (✓) if it folds to make a **pyramid**.
Put a cross (✗) if it does not.

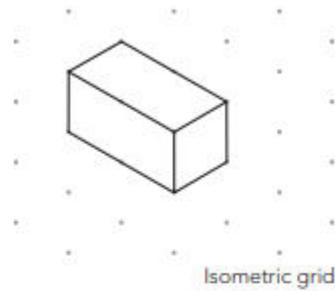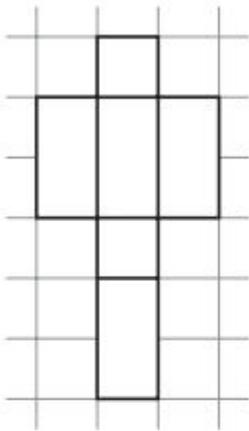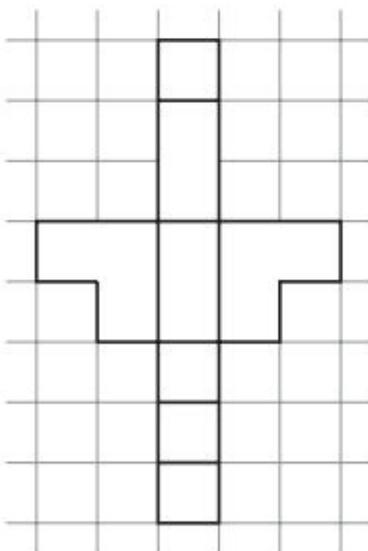Key Stage 2: 2012 Paper B L6

1.

11   Look at the net drawn on square paper.

It folds to make a prism.

Isometric grid

The net below folds to make a different prism.

Draw it on the grid.
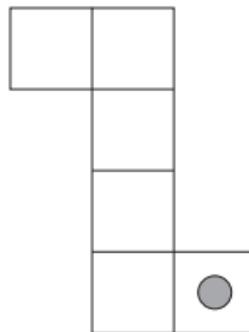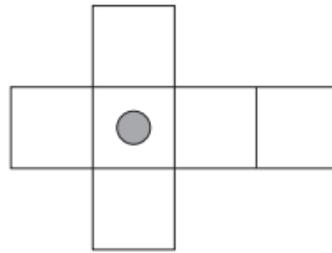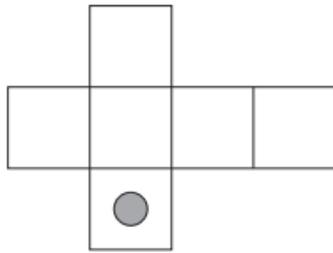

Isometric grid

(2 marks)

Key Stage 2: 2013 Paper A

1.

5 Here are three nets of a cube.

On each net draw **one more dot** so that each cube will have dots on **opposite** faces.
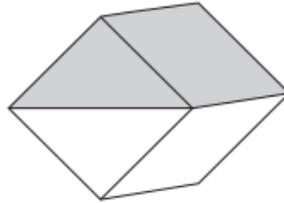
5i

5ii

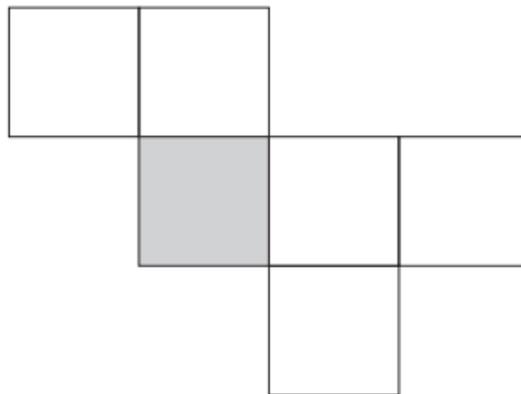2 marks

1.

9 Here is a cube.

The top half of the cube has been shaded all the way round.

Here is a net for the cube.

One square has been shaded for you.

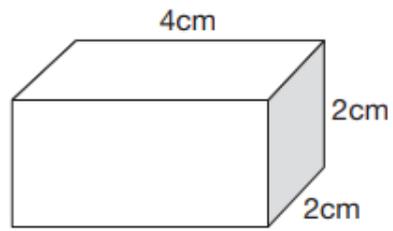Shade more of the net so that it could fold to make the cube above.

2 marks

1.

9 Look at the cuboid below.

4cm

2cm

2cm

Draw **two** more faces to complete the net of the cuboid.

9a

1 mark

9b

1 mark

Key Stage 2: 2018 Paper 2 Reasoning

1.

22   This is the net of a cube.

20 cm

**Not
actual
size**
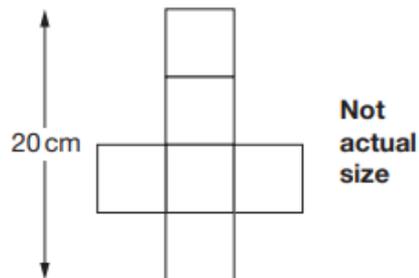
What is the **volume** of the cube?
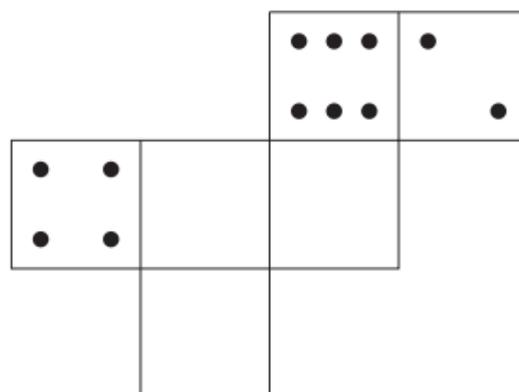
cm³

Key Stage 2: 2018 Paper 3 Reasoning

1.

17   On a dice, the sum of the dots on opposite faces is always 7

Draw dots on the three empty faces of the net so that it could fold
up to make a dice.