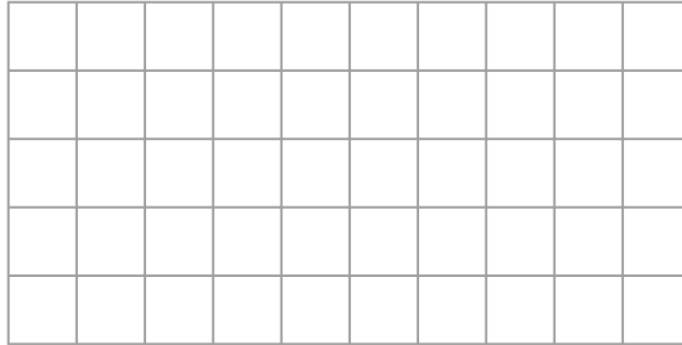


**2D AND 3D SHAPES**

**Pearson Edexcel – Specimen 2 - Paper 3 (Calculator) Foundation Tier**

1.

4 On the grid, draw a parallelogram.



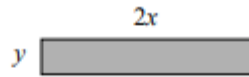
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**(Total for Question 4 is 1 mark)**

Pearson Edexcel – Sample Papers - Paper 3 (Calculator) Foundation Tier

2.

17 Here is a rectangle made of card.



The measurements in the diagram are in centimetres.

Lily fits four of these rectangles together to make a frame.



The perimeter of the inside of the frame is  $P$  cm.

(a) Show that  $P = 8x - 4y$

(2)

Magda says,

“When  $x$  and  $y$  are whole numbers,  $P$  is always a multiple of 4.”

(b) Is Magda correct?

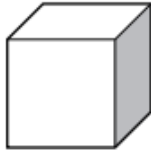
You must give a reason for your answer.

(2)

(Total for Question 17 is 4 marks)

3.

1 (a) Use one of these words to complete the sentence.

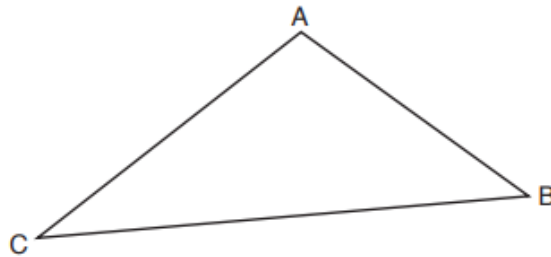


edges    vertices    faces    planes

A cube has 12 .....

[1]

(b) The diagram shows a triangle ABC.



Mark angle CAB.

[1]

(c) Use one of these terms to complete the sentence.

a circle    an angle    a straight line    the perimeter

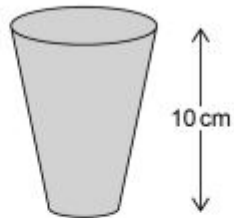
The shortest distance between two points is .....

[1]

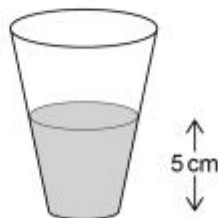
AQA Tuesday 12 June 2018 – Morning (Calculator) Foundation Tier

4.

11 Jo has a full cup of coffee.



She drinks some of it.



She says,

“Half of the coffee is still in the cup, because 5 cm is half of 10 cm”

Is she correct?

Tick a box.

Yes

No

Give a reason for your answer.

[1 mark]

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AQA Thursday 2 November 2017 – Morning (Non-Calculator) Foundation Tier

5.

**12 (a)** How many edges are there on a square-based pyramid?

Circle your answer.

**[1 mark]**

4

5

8

12

**12 (b)** How many faces of a triangular prism are triangles?

Circle your answer.

**[1 mark]**

2

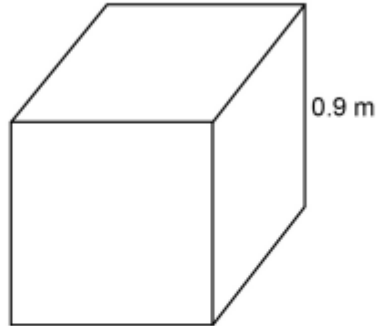
3

4

5

6.

13 A cube has edge length 0.9 metres.



Work out the **total** surface area of the cube.

Give your answer in **square centimetres**.

**[3 marks]**

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Answer \_\_\_\_\_  $\text{cm}^2$

AQA Sample Paper 1– Morning (Non-Calculator) Foundation Tier

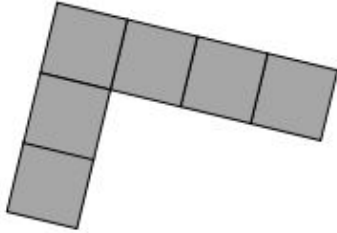
7.

2 Which of these is the **net** of a **cube**?

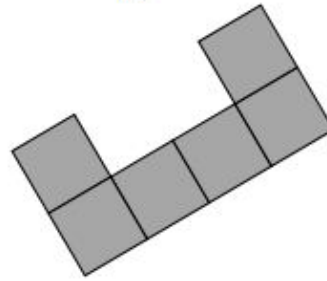
Circle the correct letter.

[1 mark]

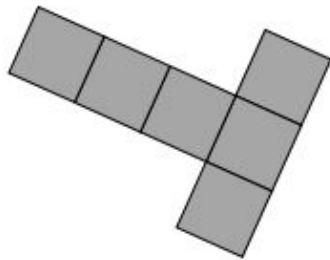
**A**



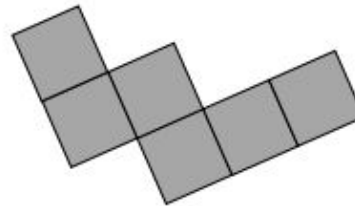
**B**



**C**



**D**



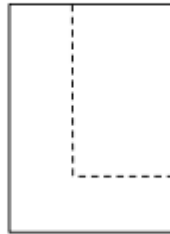
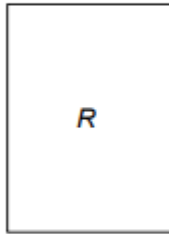
AQA Sample Paper 1– Morning (Non-Calculator) Foundation Tier

8.

14 Shape  $R$  is a rectangle.

A smaller rectangle is cut from  $R$  to form shape  $L$ .

Not drawn accurately



Which **one** of these statements is true?

Tick a box.

[1 mark]

The perimeter of  $R$  is **longer than** the perimeter of  $L$

The perimeter of  $R$  is the **same as** the perimeter of  $L$

The perimeter of  $R$  is **shorter than** the perimeter of  $L$

It is **not** possible to tell which perimeter is longer

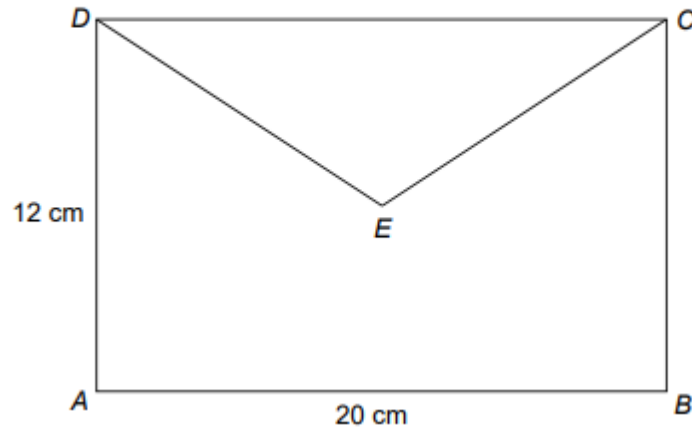


AQA Sample Paper 2– Morning (Calculator) Foundation Tier

9.

26  $E$  is the centre of rectangle  $ABCD$ .

Not drawn accurately



Work out the length  $DE$ .

[3 marks]

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Answer \_\_\_\_\_ cm