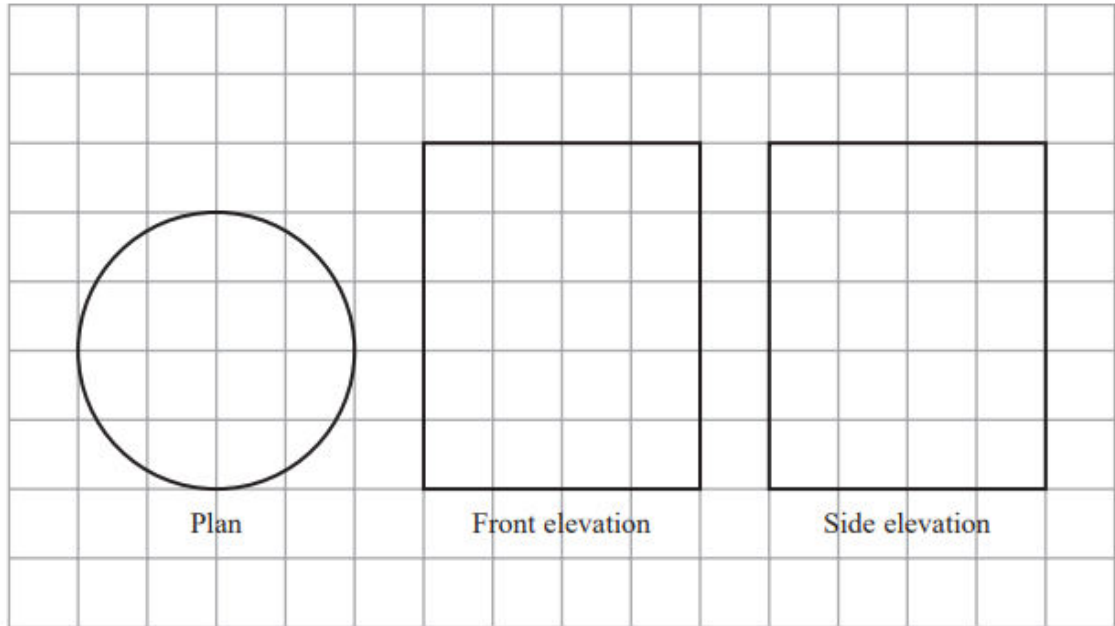


PLANS AND ELEVATIONS

Pearson Edexcel - Tuesday 21 May 2019 - Paper 1 (Non-Calculator) Foundation Tier

1.

**25** The diagram shows the plan, front elevation and side elevation of a solid shape, drawn on a centimetre grid.



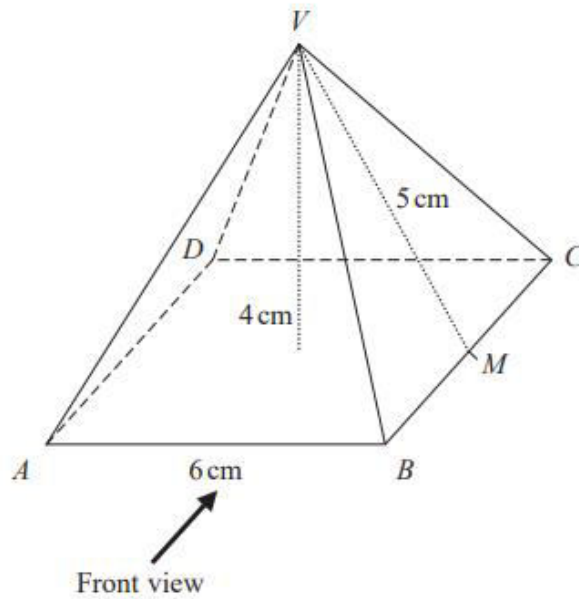
In the space below, draw a sketch of the solid shape.  
Give the dimensions of the solid on your sketch.

---

(Total for Question 25 is 2 marks)

2.

**23** Here is a solid square-based pyramid,  $VABCD$ .

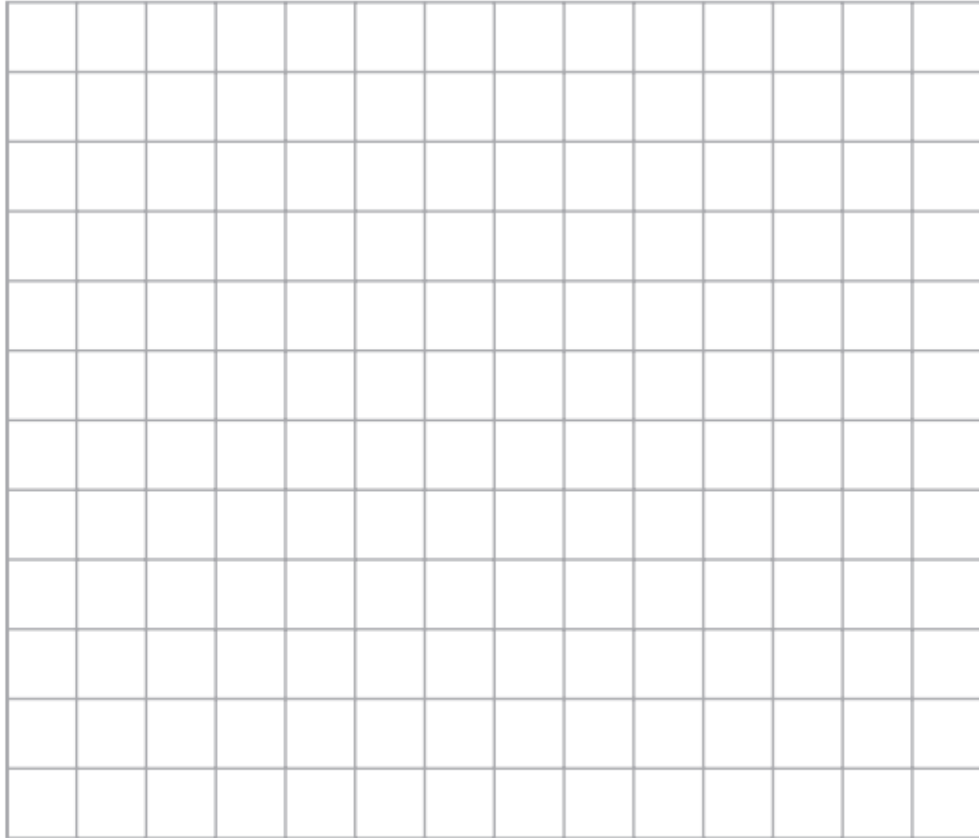


The base of the pyramid is a square of side  $6\text{ cm}$ .

The height of the pyramid is  $4\text{ cm}$ .

$M$  is the midpoint of  $BC$  and  $VM = 5\text{ cm}$ .

(a) Draw an accurate front elevation of the pyramid from the direction of the arrow.



(2)

(b) Work out the total surface area of the pyramid.

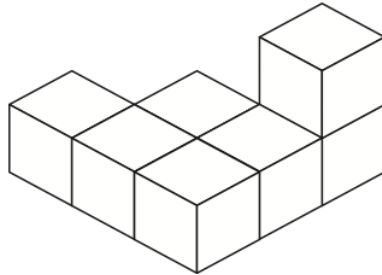
.....  
(4)

---

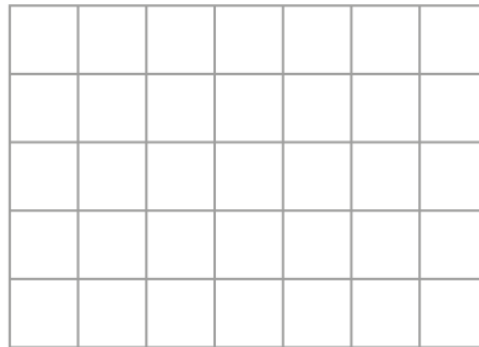
**(Total for Question 23 is 6 marks)**

3.

23 The diagram represents a solid made from seven centimetre cubes.



On the centimetre grid below, draw a plan of the solid.



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**(Total for Question 23 is 2 marks)**

OCR November 09 November 2020- Morning (Calculator) Foundation Tier

4.

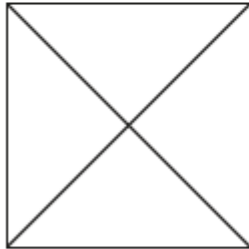
5 (a) The curved surface of a solid is made from this flat shape.



Write down the mathematical name of the solid.

(a) ..... [1]

(b) This is the plan view of a different solid.



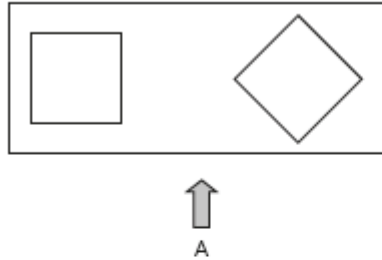
Write down the mathematical name of the solid.

(b) ..... [1]

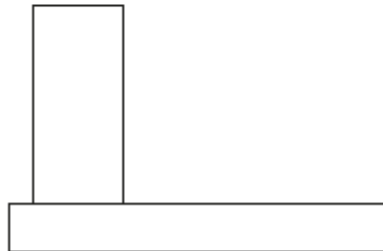
OCR Tuesday 11 June 2019 – Morning (Calculator) Foundation Tier

5.

16 This is the plan view of a 3D object.



Complete the diagram below to show the front view of the 3D object from A.

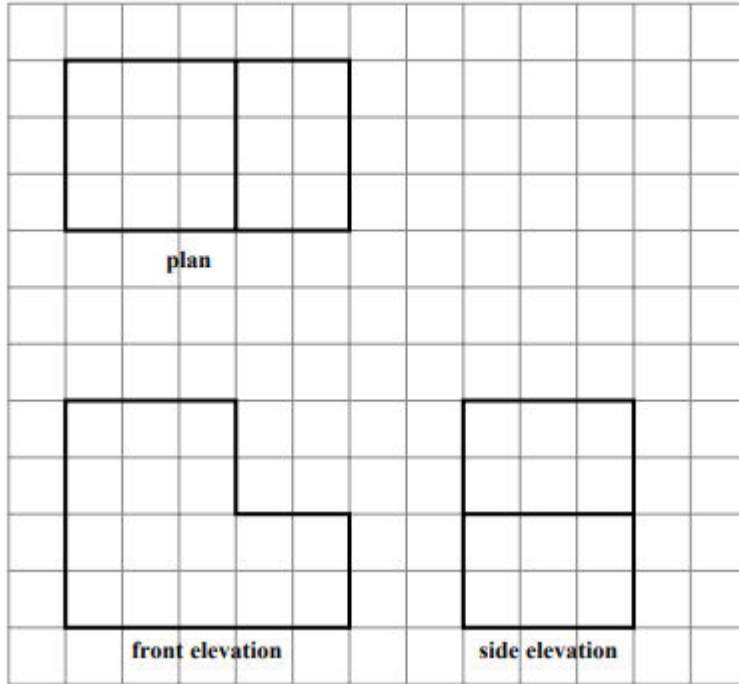


[2]

Pearson Edexcel – Sample Papers - Paper 1 (Non-Calculator) Foundation Tier

6.

26 The plan, front elevation and side elevation of a solid prism are drawn on a centimetre grid.



In the space below, draw a sketch of the solid prism.  
Write the dimensions of the prism on your sketch.

---

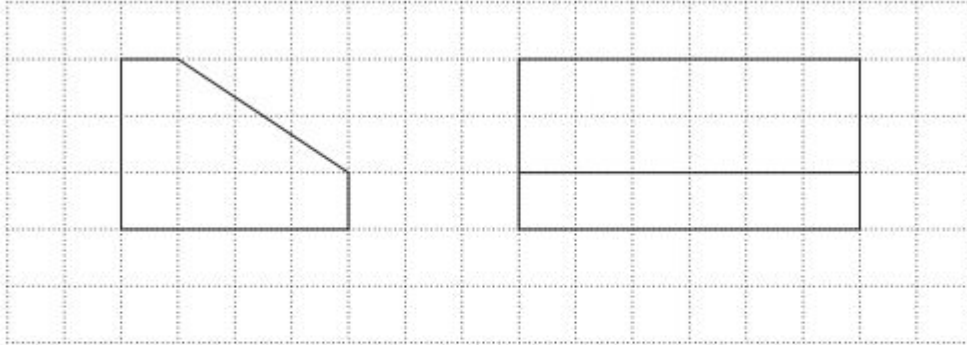
(Total for Question 26 is 2 marks)



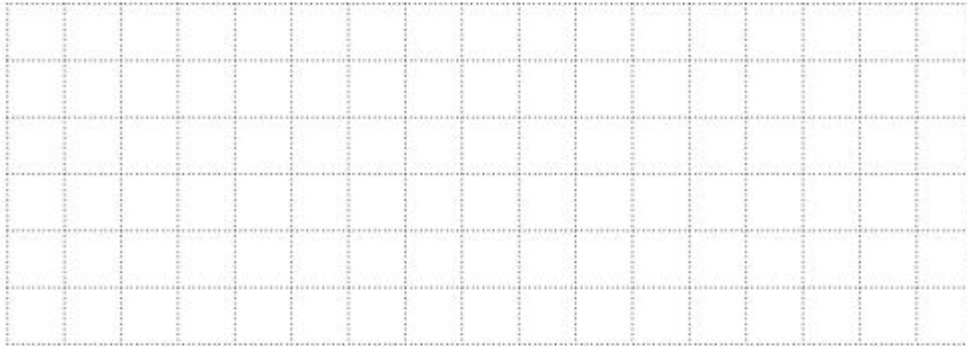
OCR Thursday 8 June 2017 – Morning (Non - Calculator) Foundation Tier

7.

- 13 The front and side elevations of a prism, with a pentagon as its cross section, are drawn on this one-centimetre square grid.



- (a) Draw accurately the plan of the prism on the grid below.



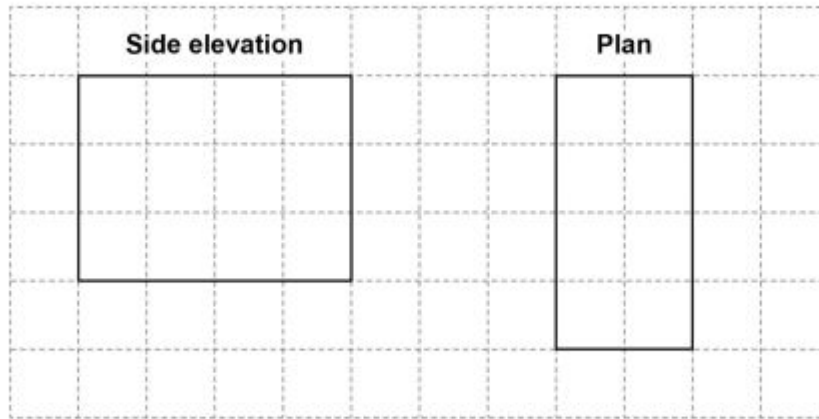
[2]

- (b) Calculate the volume of the prism.

(b) ..... cm<sup>3</sup> [3]

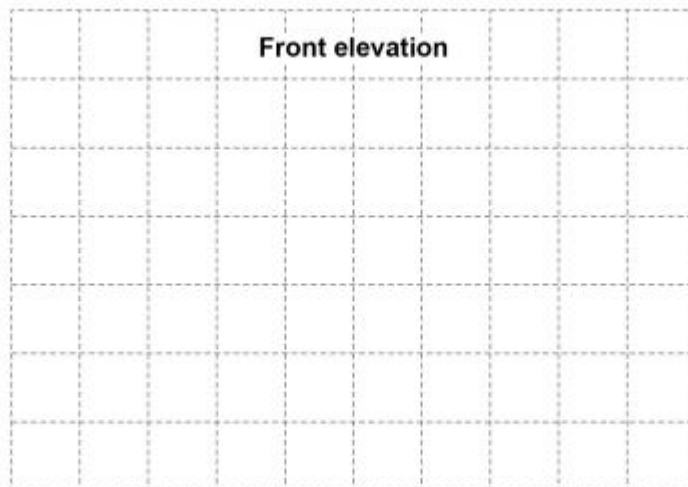
8.

19 The side elevation and plan of a cuboid are shown on the centimetre grid.



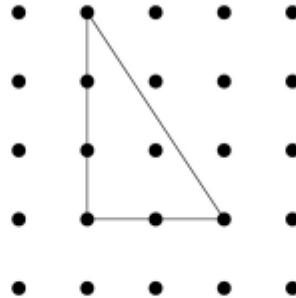
Draw the front elevation of the cuboid on this centimetre grid.

[2 marks]



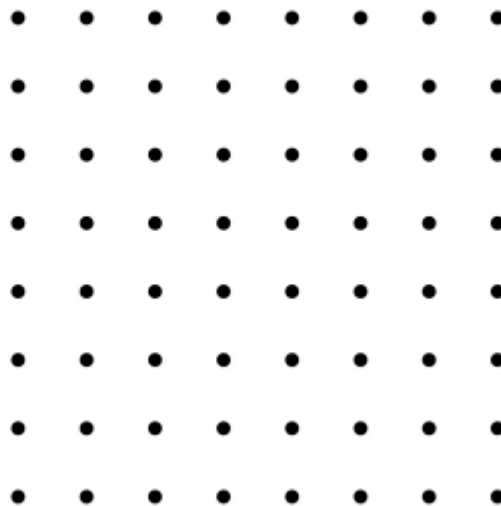
9.

11 Here is a triangle on a square dotted grid.



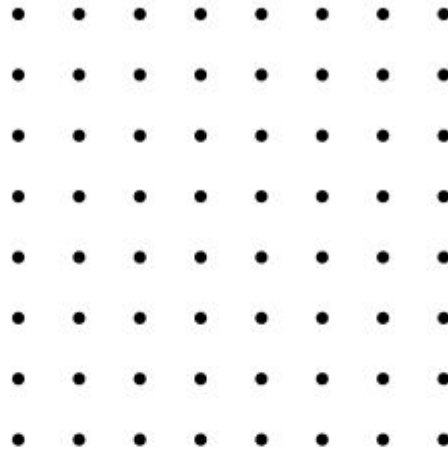
11 (a) On the grid below, show how you can make a parallelogram with **two** of these triangles.

[1 mark]



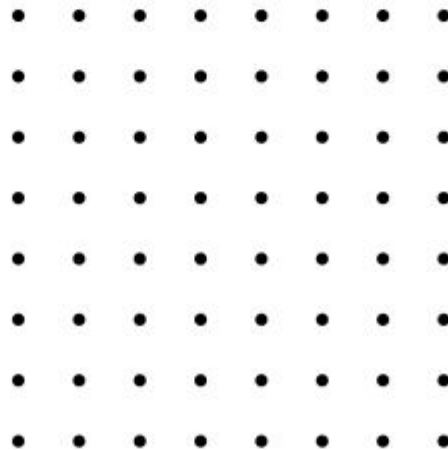
11 (b) On the grid below, show how you can make a trapezium with **three** of these triangles.

[1 mark]



11 (c) On the grid below, show how you can make a rhombus with **four** of these triangles.

[1 mark]

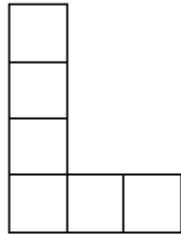


AQA Thursday 24 May 2018 – Morning (Non-Calculator) Foundation Tier

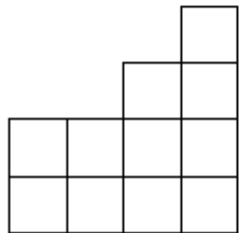
10.

- 23 A solid shape is made from centimetre cubes.  
Here are the plan, side elevation and front elevation of the shape.

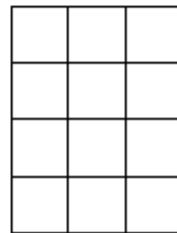
Plan



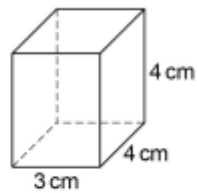
Side elevation



Front elevation



Centimetre cubes are added to make this cuboid.



How many cubes are added?

[3 marks]

Answer \_\_\_\_\_

AQA Tuesday 13 June 2017 Morning– Morning (Calculator) Foundation Tier

11.

**14 (a)** The front elevation, side elevation and plan of a solid are all the same, as shown.

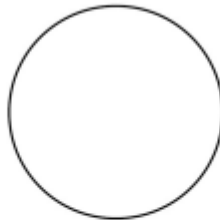


Write down the name of the solid.

**[1 mark]**

Answer \_\_\_\_\_

**14 (b)** The front elevation, side elevation and plan of a solid are all the same, as shown.



Write down the name of the solid.

**[1 mark]**

Answer \_\_\_\_\_