Name:_____

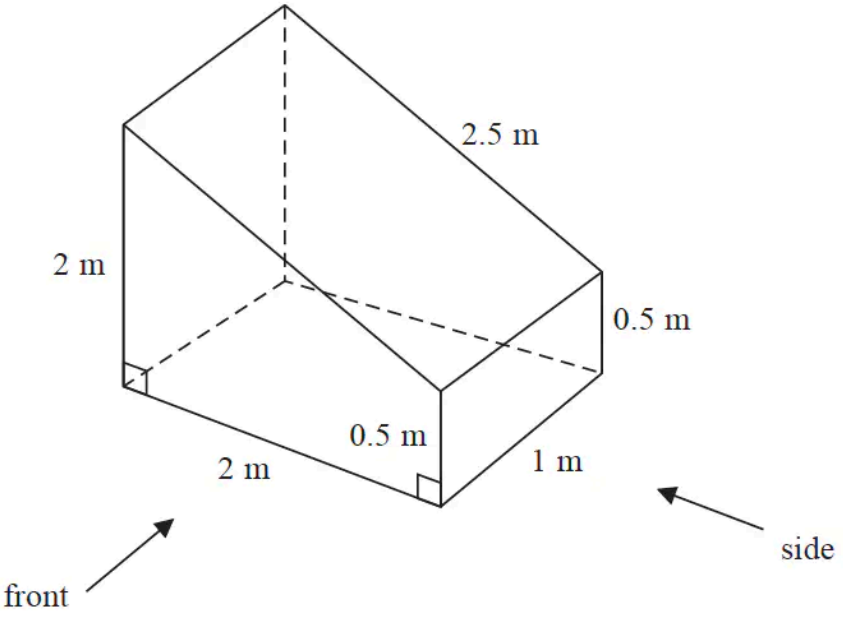
GCSE (1 - 9) Plans and Elevations	Solutions:

These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***Summer 2023*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Summer 2017, Paper 2F, Q19
2	Edexcel, GCSE, Summer 2018, Paper 1F, Q23
3	Edexcel, GCSE, Summer 2019, Paper 1F, Q25
4	Edexcel, GCSE, Autumn 2020, Paper 3F, Q22
5	Edexcel, GCSE, November 2022, Paper 2F, Q19
6	Edexcel, GCSE, Summer 2022, Paper 1F, Q22

1

The diagram shows a prism with a cross section in the shape of a trapezium.



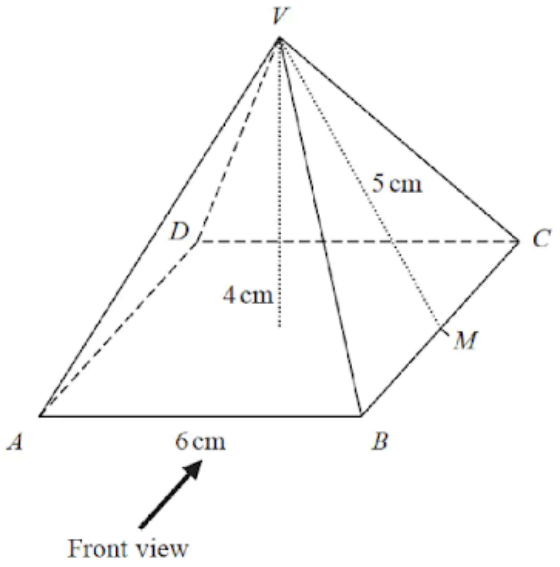
On the centimetre grid below, draw the front elevation and the side elevation of the prism.
Use a scale of 2 cm to 1 m.

(Total for Question 19 is 4 marks)

[Edexcel, GCSE, Summer 2017, Paper 2F, Q19]

2

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



The base of the pyramid is a square of side 6 cm.
The height of the pyramid is 4 cm.
M is the midpoint of BC and $VM = 5$ 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.

.....

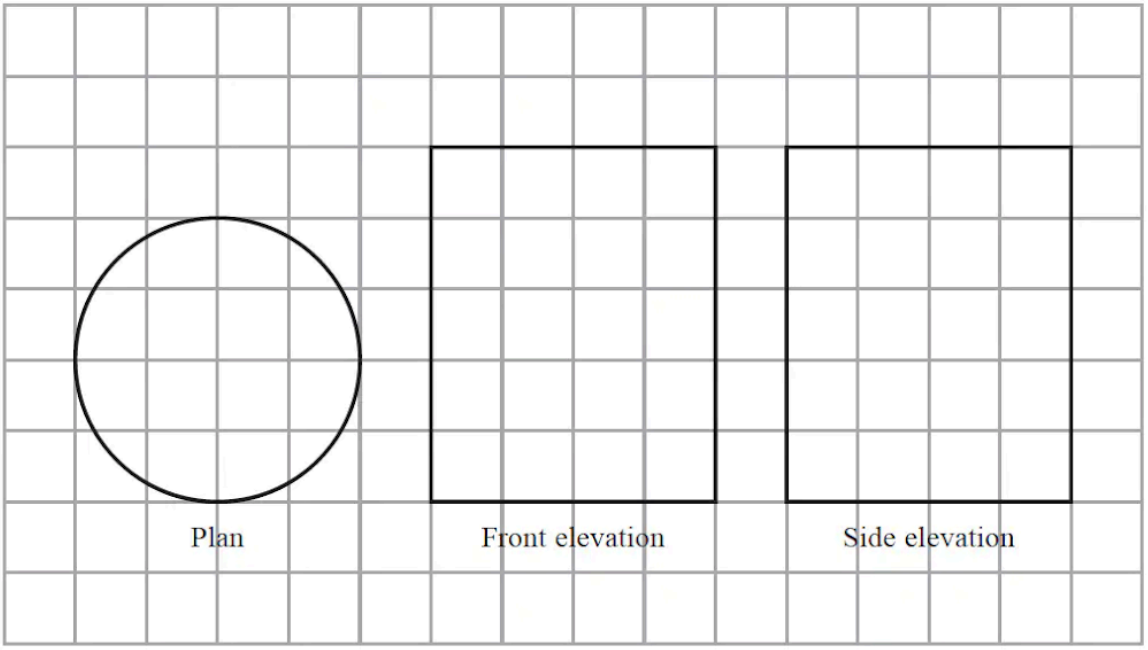
(4)

(Total for Question 23 is 6 marks)

[Edexcel, GCSE, Summer 2018, Paper 1F, Q23]

3

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



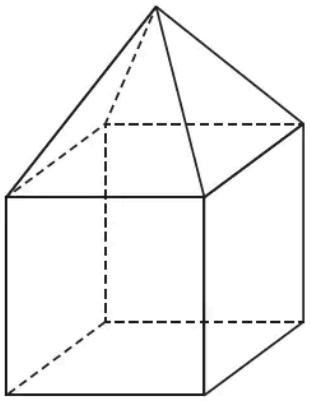
In the space below, draw a sketch of the solid shape.
Give the dimensions of the solid on your sketch.

(Total for Question 25 is 2 marks)

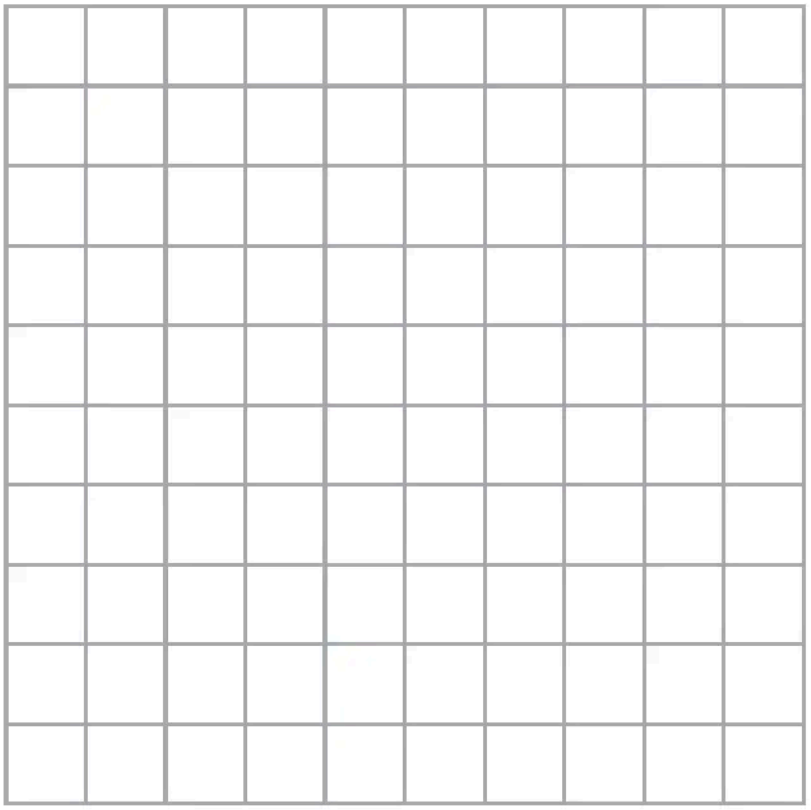
[Edexcel, GCSE, Summer 2019, Paper 1F, Q25]

4

Here is a solid made from a square-based pyramid and a cube.
Each edge of the solid has length 6 cm.



On the centimetre grid, draw the plan of this solid.



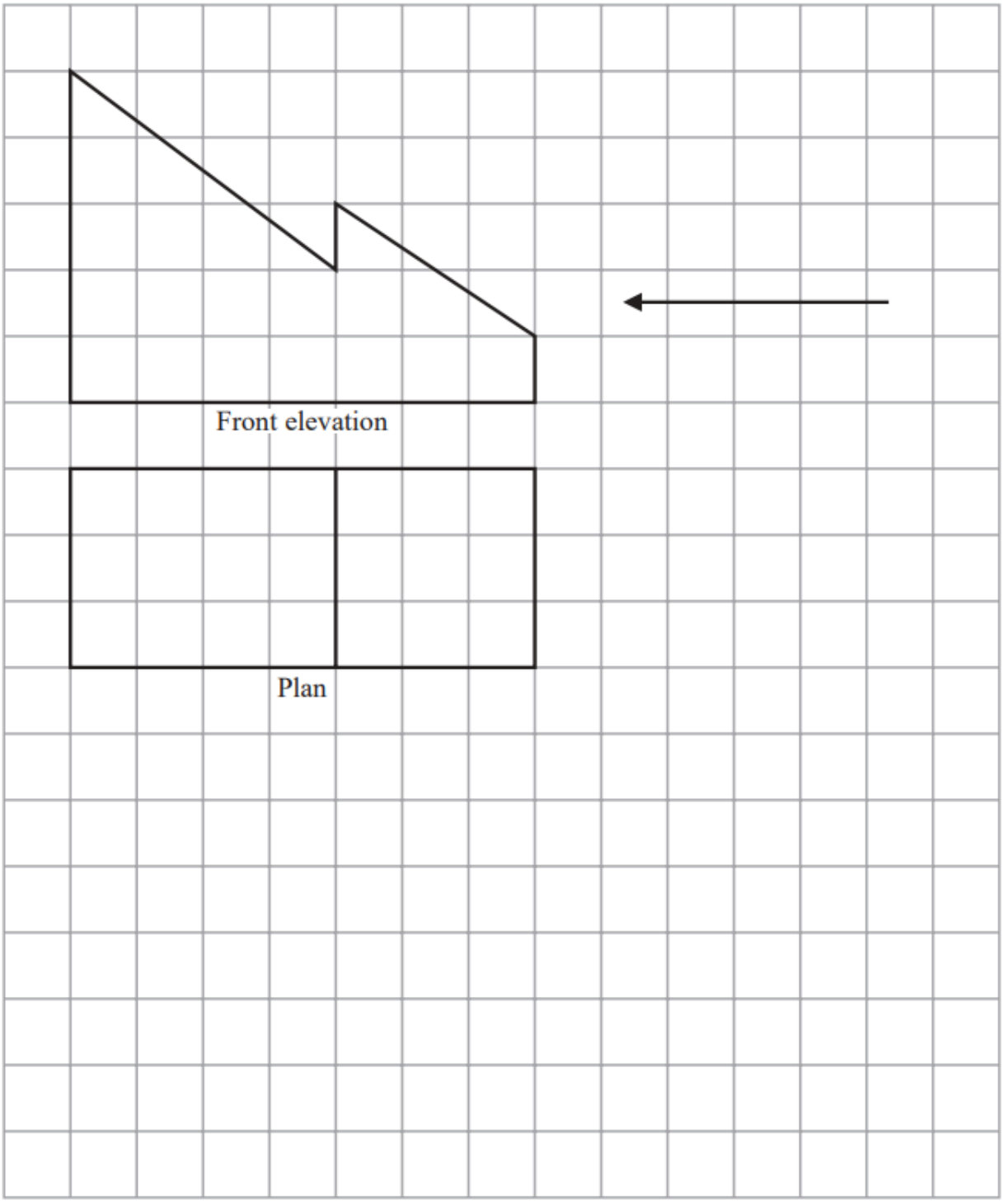
(Total for Question 22 is 2 marks)

[Edexcel, GCSE, Autumn 2020, Paper 3F, Q22]

5

The front elevation and the plan of a solid are shown on the grid.

On the grid, draw the side elevation of the solid from the direction of the arrow.

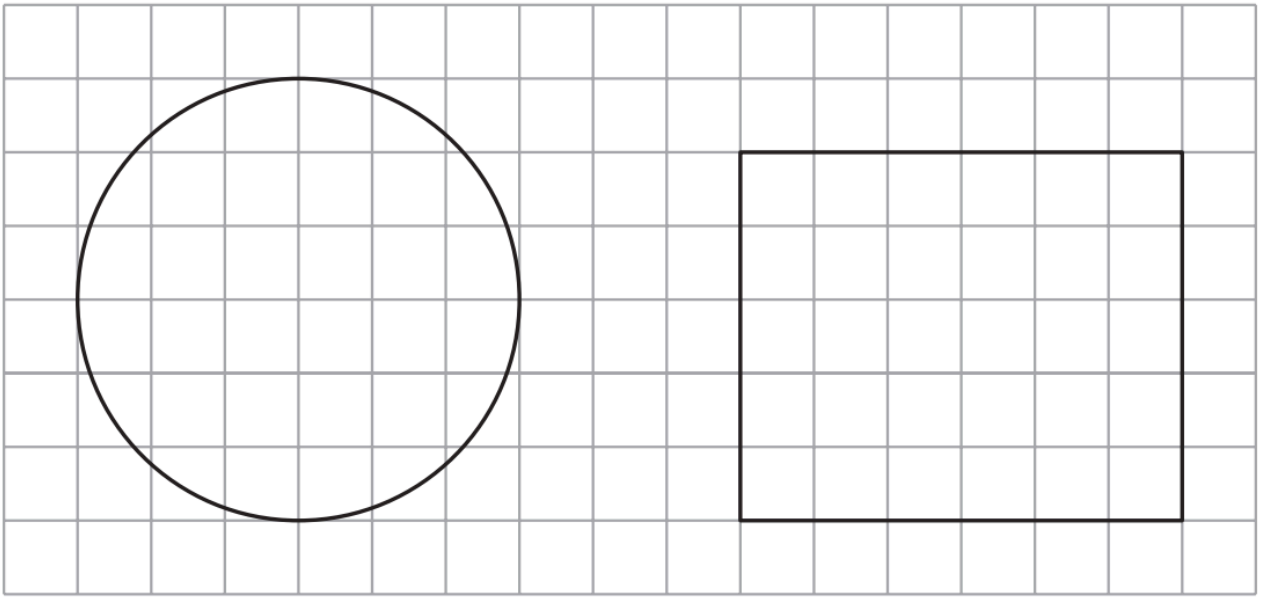


(Total for Question 19 is 2 marks)

[Edexcel, GCSE, November 2022, Paper 2F, Q19]

6

The centimetre grid shows the plan and the front elevation of a cylinder.



Plan

Front elevation

Work out the volume of the cylinder.
Give your answer in terms of π

..... cm^3

(Total for Question 22 is 3 marks)

[Edexcel, GCSE, Summer 2022, Paper 1F, Q22]