

Projections and Elevations

Please write clearly in block capitals

Forename:

Surname:

Materials

For this paper you must have:

- mathematical instruments



You must **not** use a calculator.

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

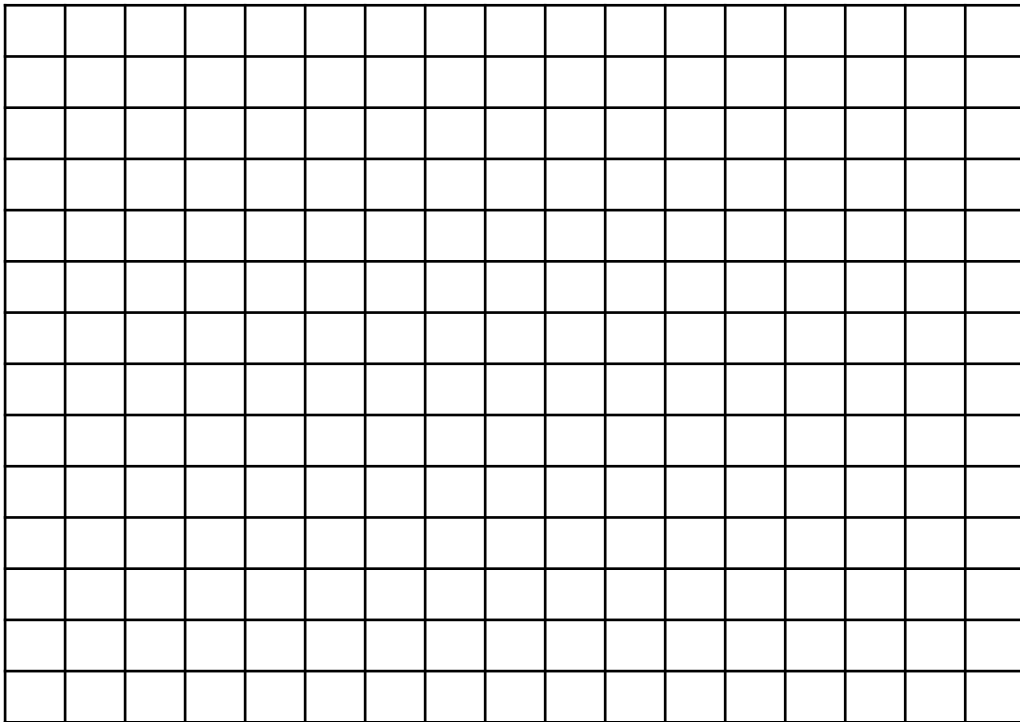
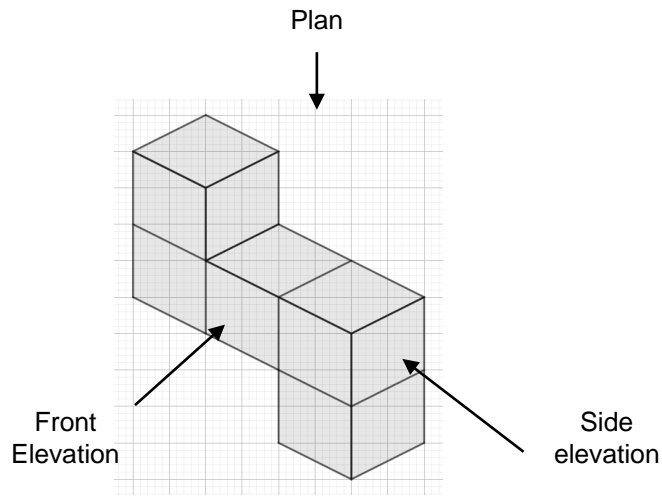
Advice

- In all calculations, show clearly how you work out your answer.

1 On the grid, draw the plan, front and side elevations of the shape below.

(Level 3)

[3 marks]



Turn over for next question

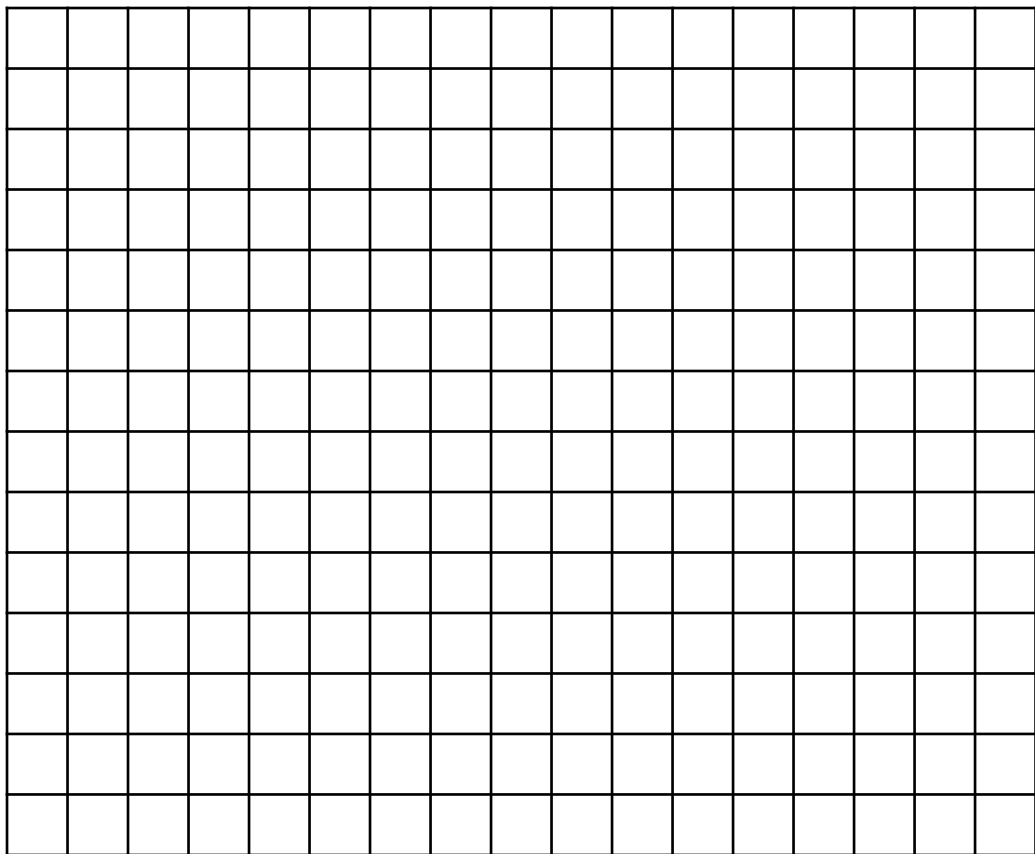
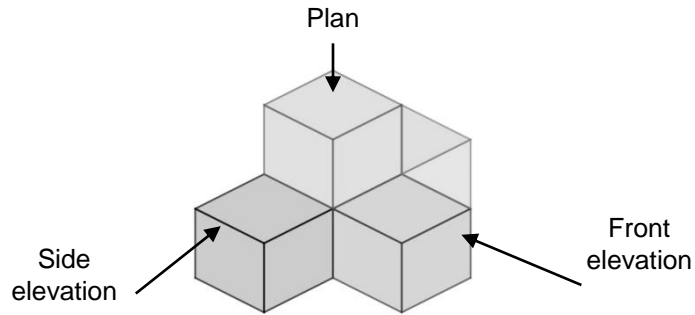
2

A 3D shape is shown below.

(Level 3)

Draw the plan, front elevation and side elevation of this shape.

[3 marks]



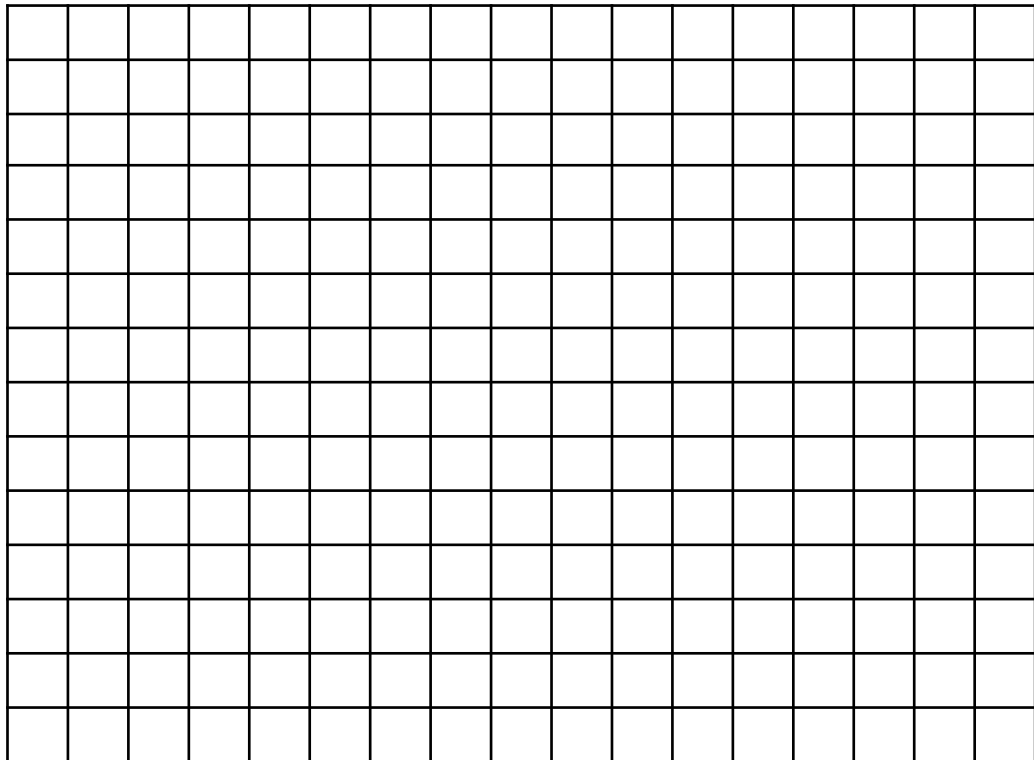
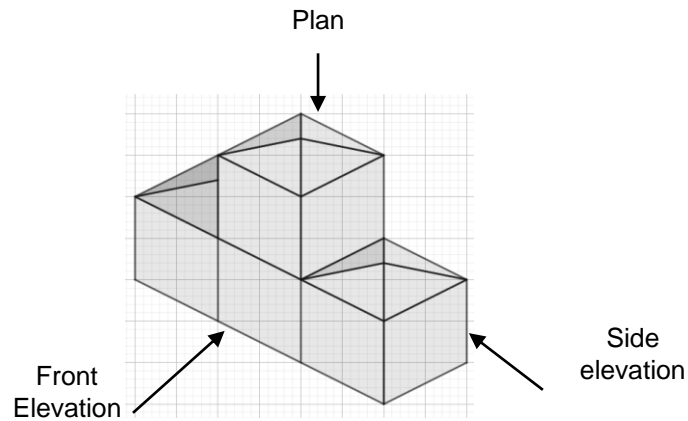
Turn over for next question

- 3 A shape is formed by placing three identical square based pyramids on top of a set of cubes. (Level 3)
cubes.

The height of each pyramid is **half the height of a cube**.

On the grid, draw the plan, front and side elevations of the shape.

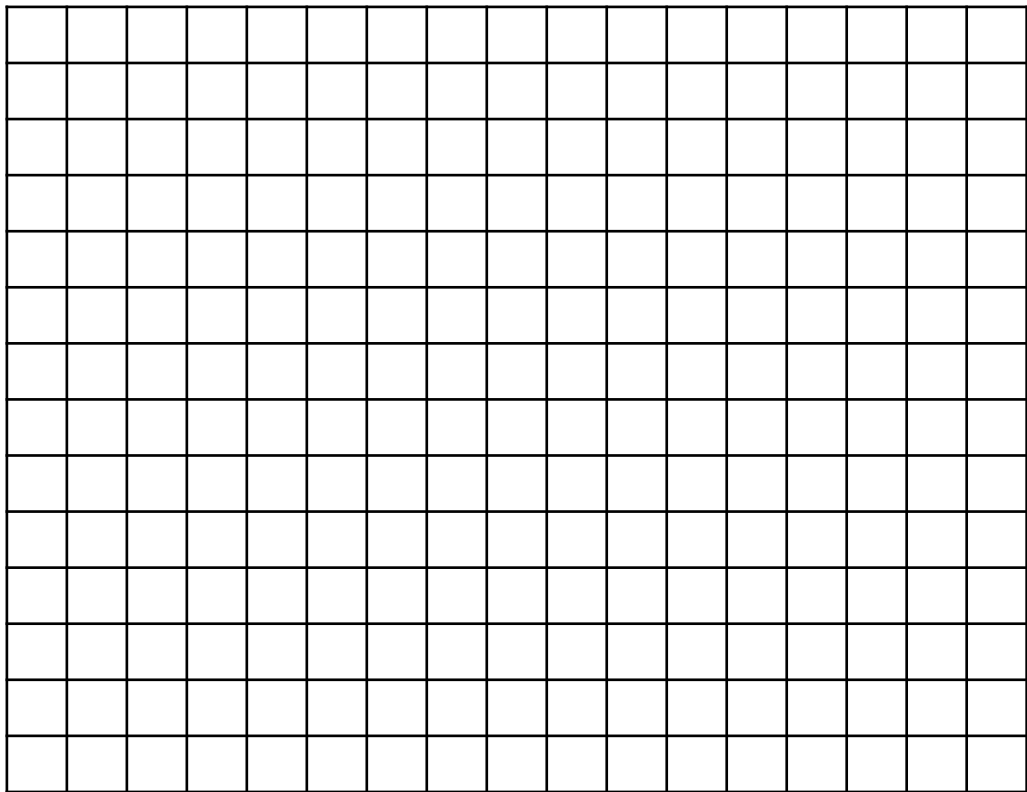
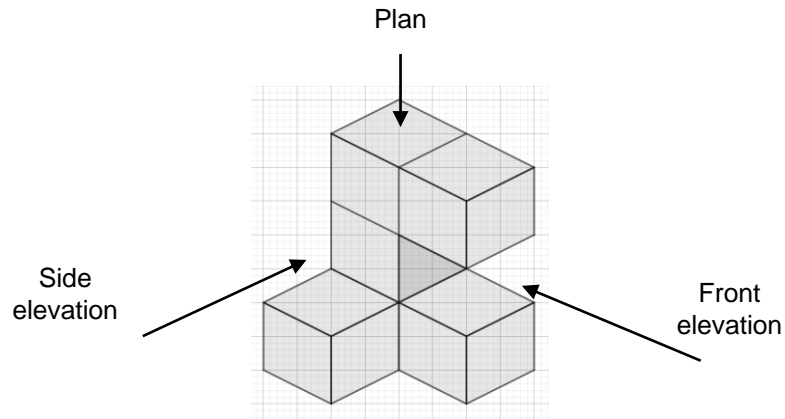
[3 marks]



4 On the grid, draw the plan, front and side elevations of the shape shown below

(Level 3)

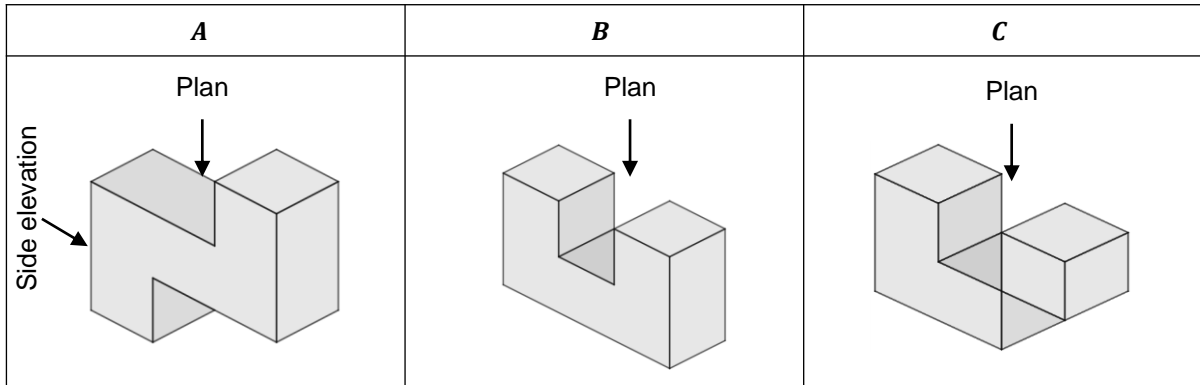
[3 marks]



Turn over for next question




5 Three shapes *A*, *B* and *C* are shown below.

(Level 4)






5(a) For each of the three plans, label the shape which correctly corresponds with the plan

[3 marks]

Plans	Shape:
	
	
	

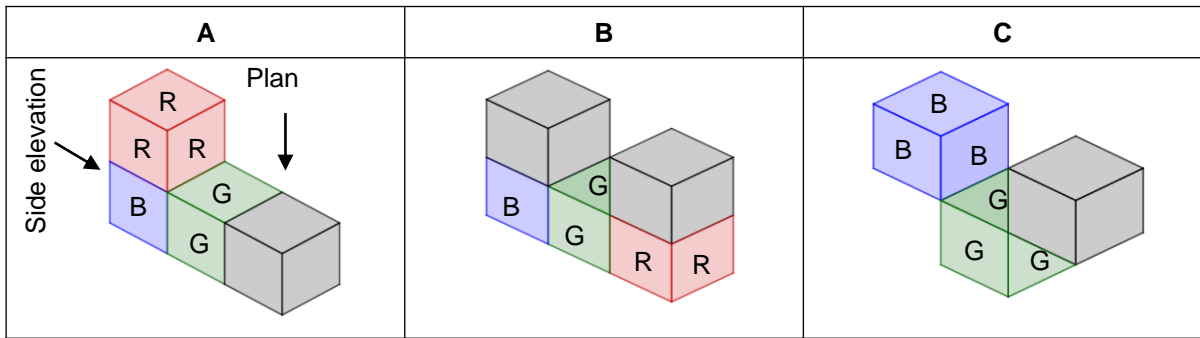
5(b) For each of the three side elevations, label the shape which correctly corresponds to each side elevation.

[3 marks]

Side Elevations			
Shape			

6 Three shapes, A, B and C are shown below.

(Level 4)



6(a) For each of the three plans, label the shape which correctly corresponds with the plan

[3 marks]

Plans	Shape:

6(b) For each of the three side elevations, label the shape which correctly corresponds to each side elevation.

[3 marks]

Side Elevations						
Shape						

END