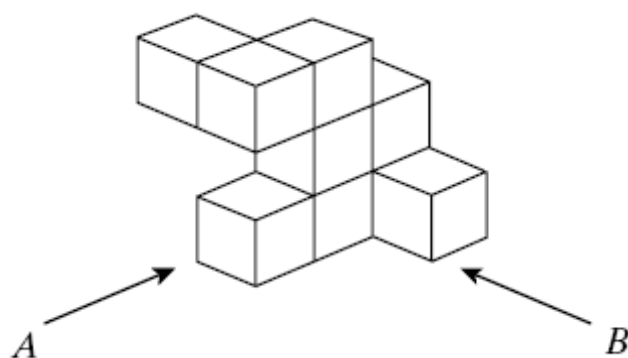
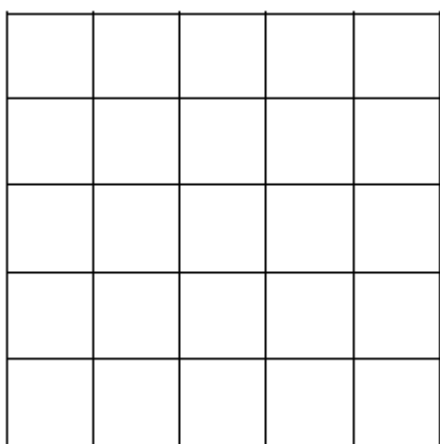


Question 1. (AQA June 2003 Intermediate Paper 1)

The diagram represents a solid made from 9 small cubes

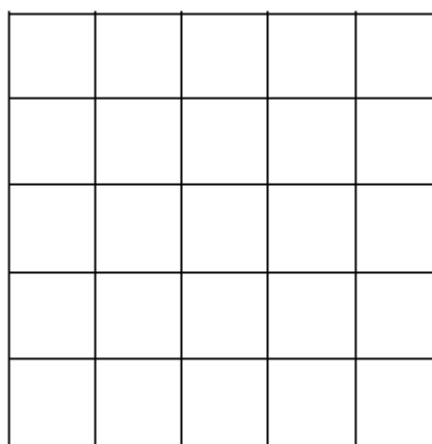


(a) On the grid below, draw the solid from direction A



[2 marks]

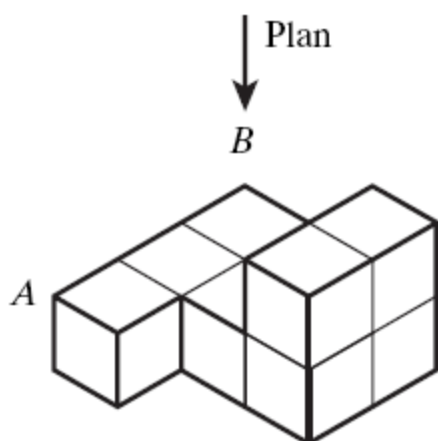
(b) On the grid below, draw the solid from direction B



[2 marks]

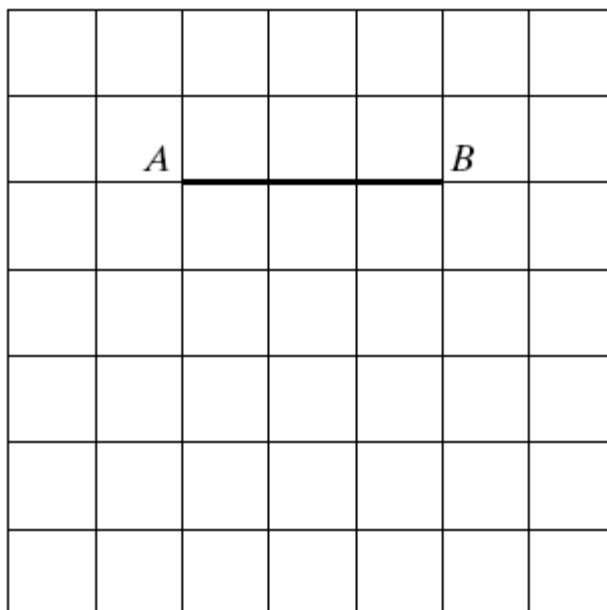
Question 2 (AQA November 2003 Intermediate Paper 1)

The diagram shows a solid shape made from 8 cubes.



[2 marks]

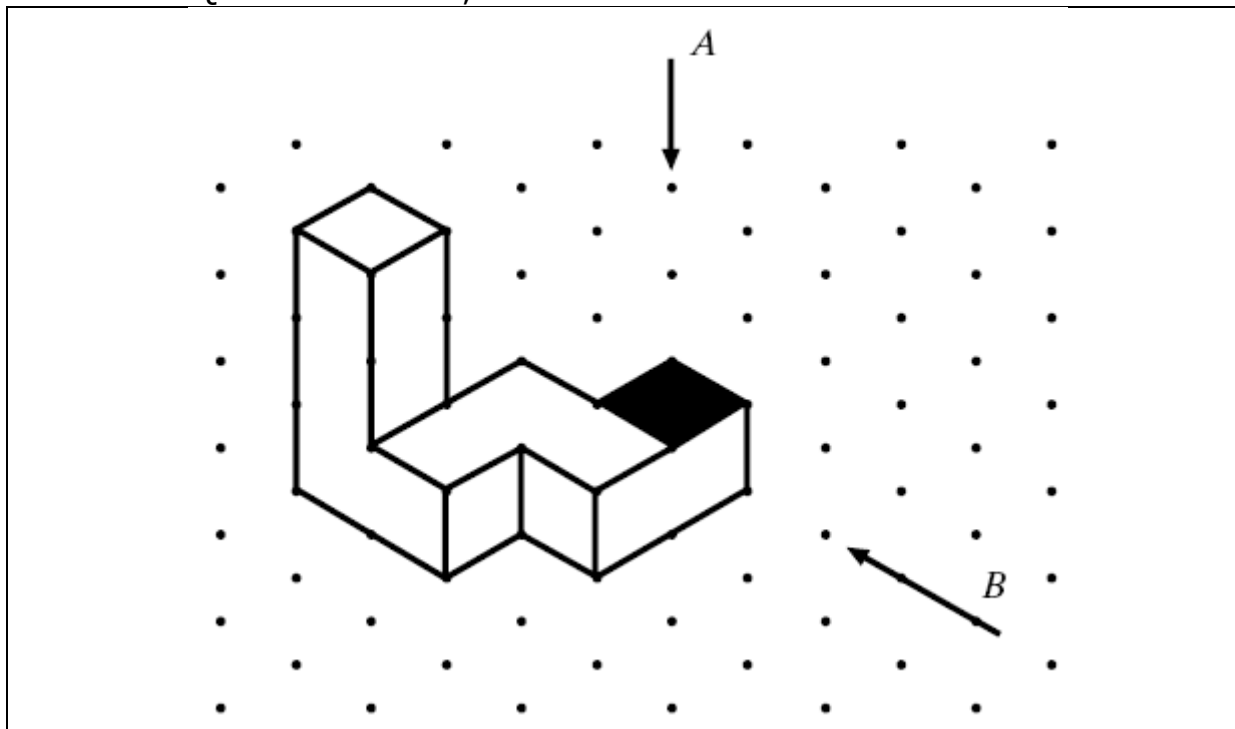
Complete the plan view of the solid on the grid below.



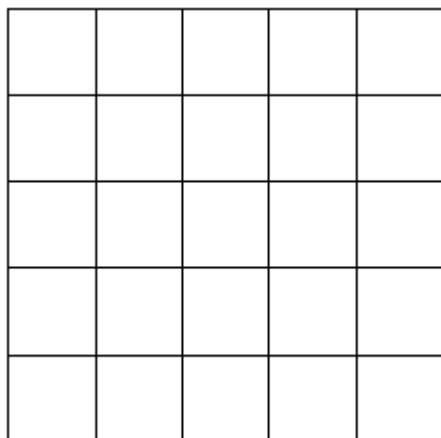
Question 3 (AQA November 2005 Intermediate Paper 1)

This 3-D solid is made from seven cubes. It is drawn on an isometric grid.

GCSE Exam Questions on Plans, Elevations and Isometric Grids

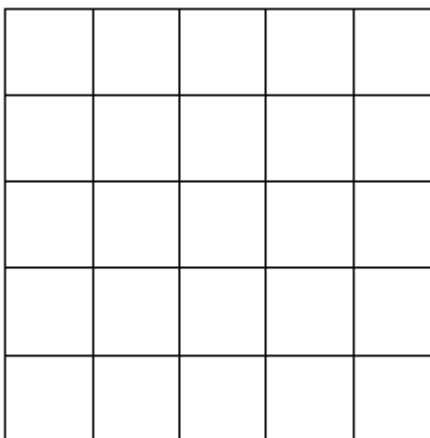


(a) On the grid below, draw the plan from A.



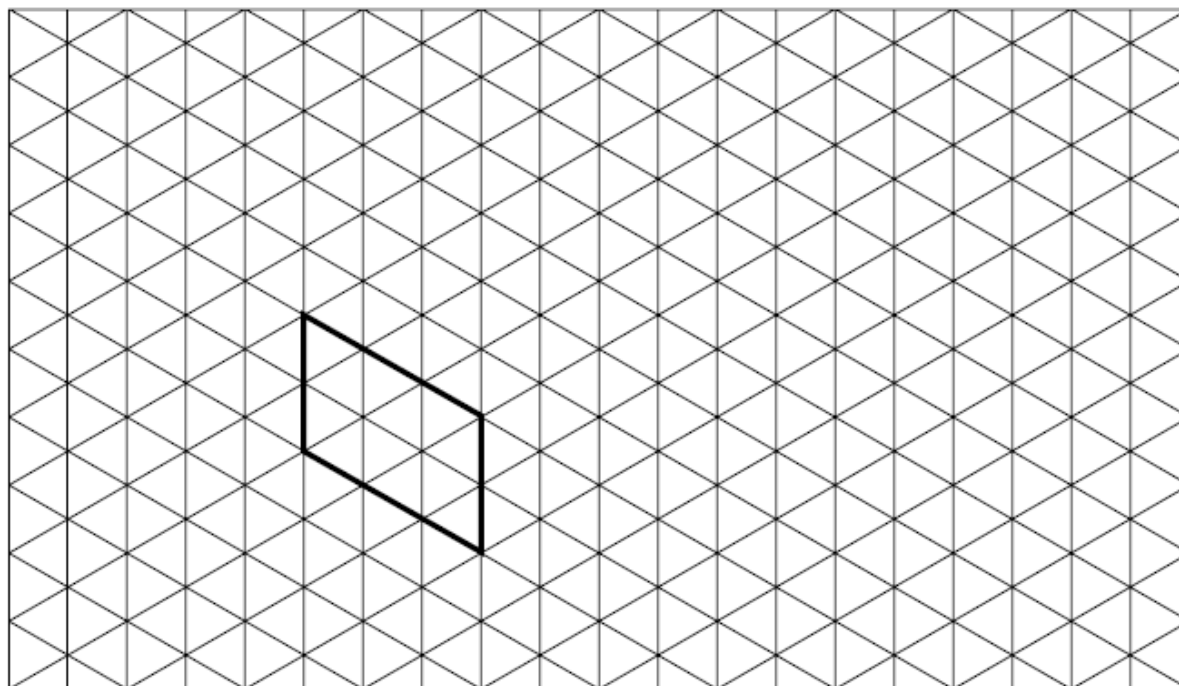
[1 mark]

(b) On the grid below, draw the elevation from B.



[1 mark]

(a) On the isometric grid complete the drawing of a cuboid 4 cm by 3 cm by 2 cm

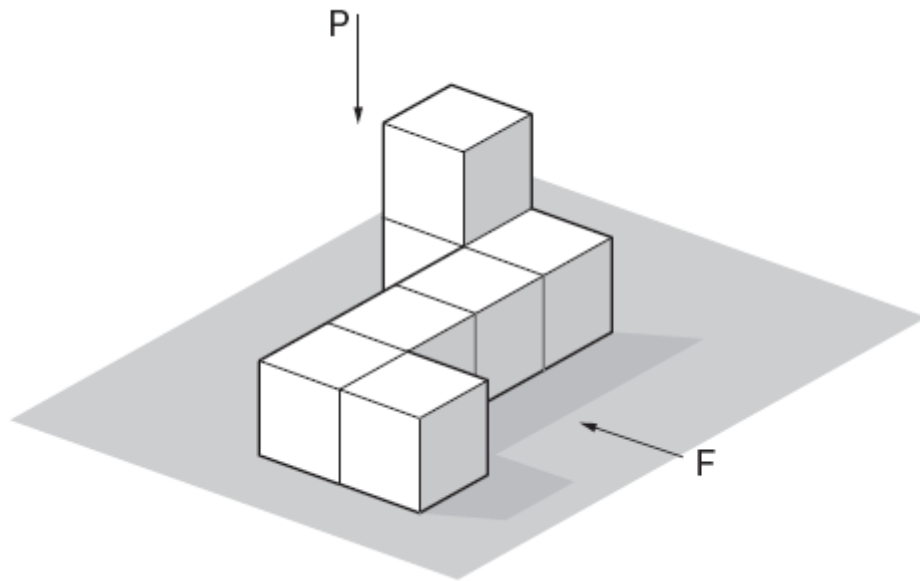


[2 marks]

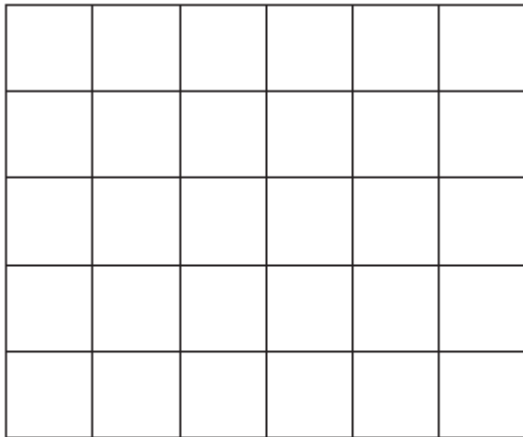
(b) Calculate the volume of the cuboid.

[2 marks]

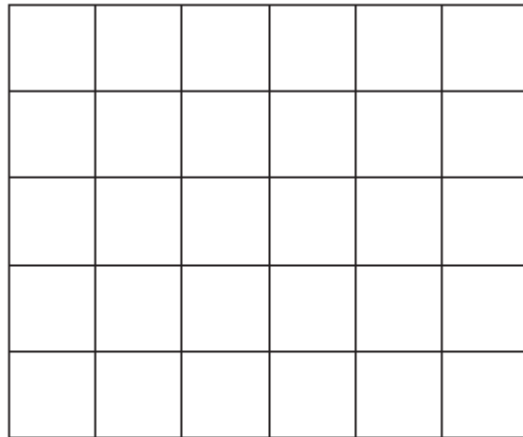
This solid shape is made using seven centimetre cubes.



On the grids below, draw the front elevation and plan of this shape.



Front elevation
(view from F)



Plan
(view from P)

[4 marks]

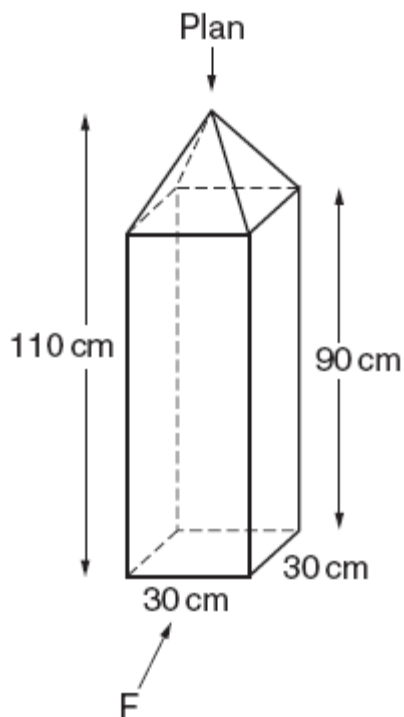
Question 6. (OCR June 2005 Intermediate Paper 1)

A gate-post is a cuboid topped by a pyramid, as illustrated on the right.

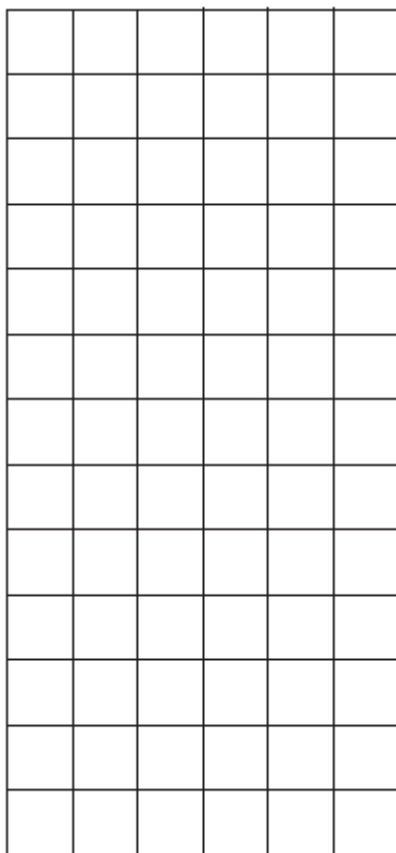
The cuboid has a square base of side 30 cm and height 90 cm.

The total height of the gate-post is 110 cm.

Use a scale of 1 square below to represent each 10 cm.

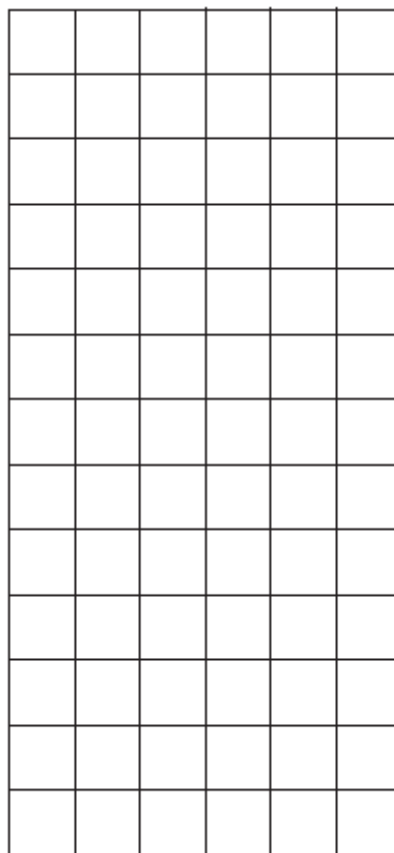


(a) Draw the plan of the gate post.



[2 marks]

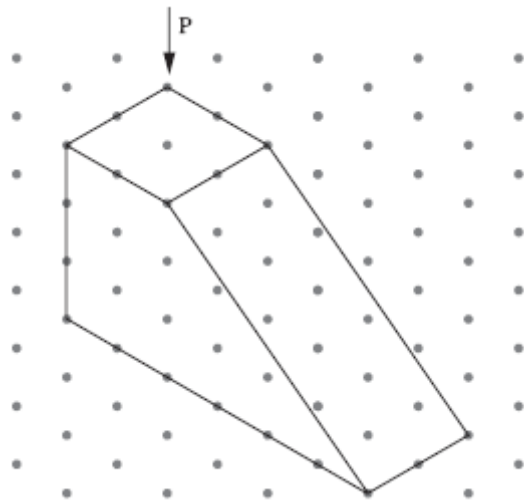
(b) Draw the elevation of the gate post viewed from F.



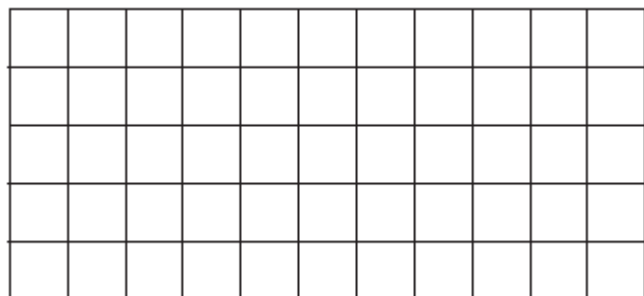
[2 marks]

Question 7 (OCR June 2007 Higher Paper 1)

The diagram shows a prism drawn on 1 cm isometric paper.



(a) On the grid, draw an accurate plan of the prism viewed from direction P.



[2 marks]

(b) How many vertices does the prism have?

[1 mark]

(c) The prism has a surface area of 56 cm^2 . Convert 56 cm^2 into square millimetres.

[2 marks]