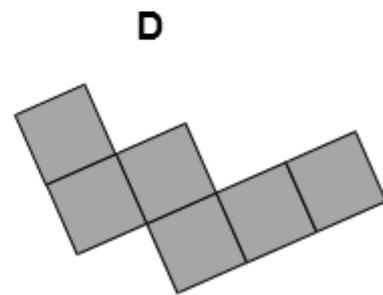
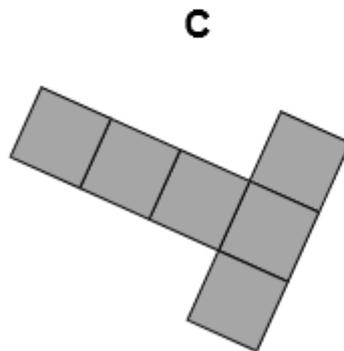
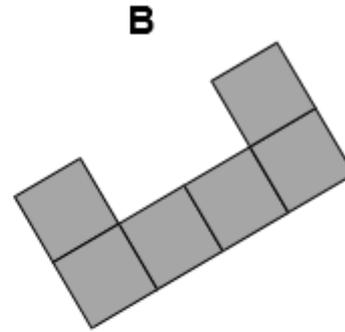
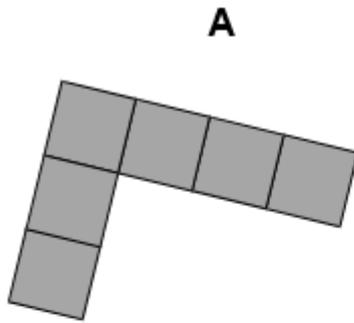


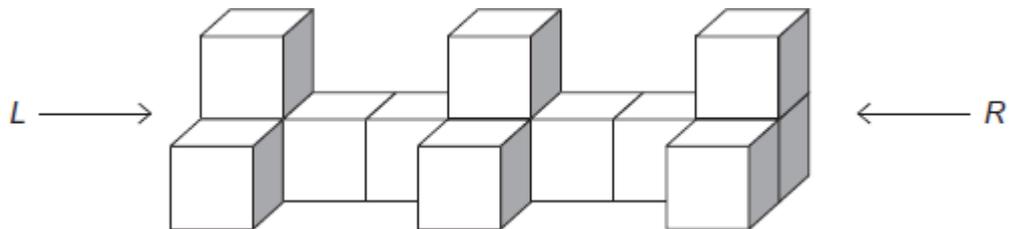
Q1. Which of these is the **net** of a **cube**?

Circle the correct letter.



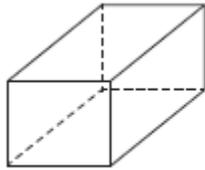
(Total 1 mark)

Q2. This solid shape is made from identical cubes.

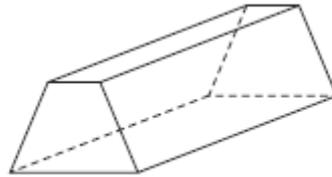


(a) On the grids draw the side elevations *L* and *R*.

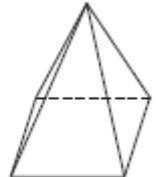
(b)



shape A



shape B



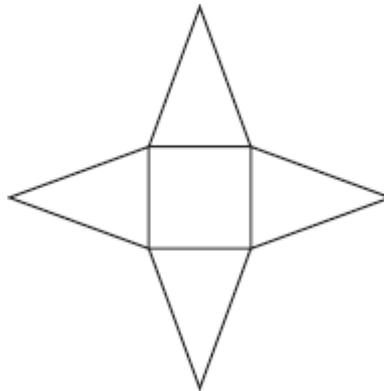
shape C

shape A
C

shape B

shape

Here is a net for one of these shapes.

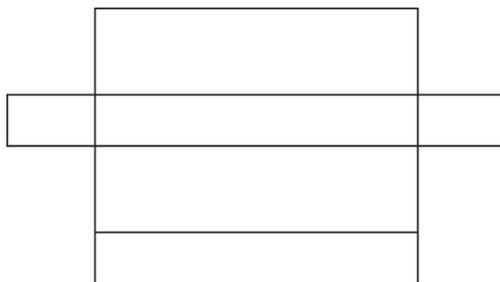


Which shape is it?

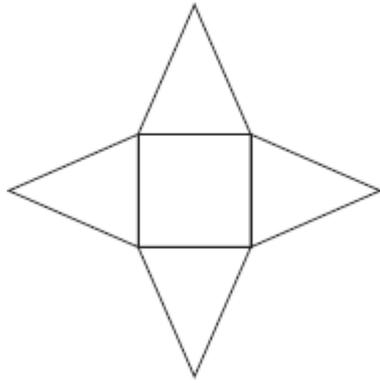
Answer

(1)
(Total 4 marks)

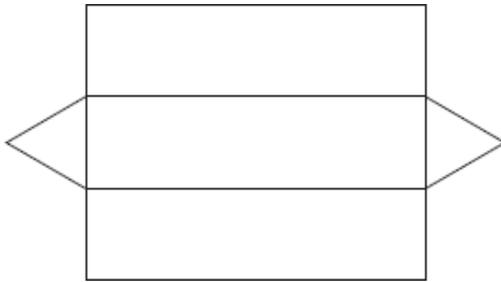
Q4. Write down the mathematical name of the shape made by each net.



.....



.....

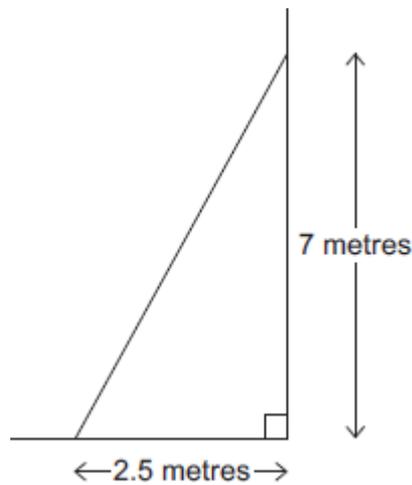


.....

(Total 3 marks)

Q5.(a) The diagram shows a sketch of a ladder on horizontal ground against a vertical wall.

Not drawn accurately



Make an accurate scale drawing.
The horizontal ground has been drawn for you.

Use a scale of 1 cm to represent 1 metre.



(2)

(b) Use your drawing to work out the actual length of the ladder.

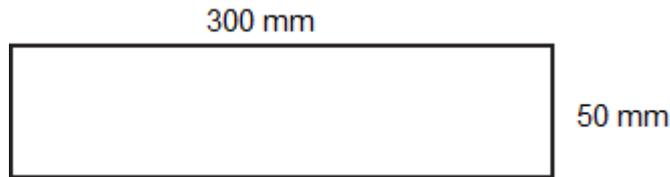
Answer metres

(1)

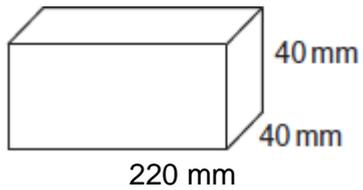
(Total 3 marks)

Q6.(a) The diagram shows a letterbox.

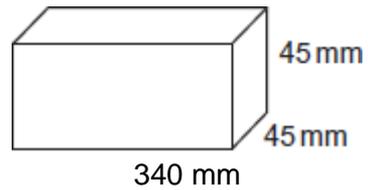
Not drawn
accurately



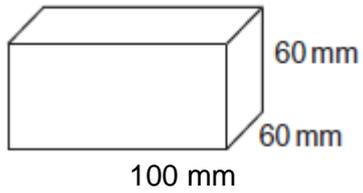
Which of these parcels will fit through the letterbox?
Circle Yes or No for each parcel.



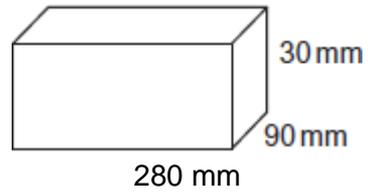
Yes No



Yes No



Yes No



Yes No

(4)

(b) Pat wants a letterbox that all four of the parcels will fit through.

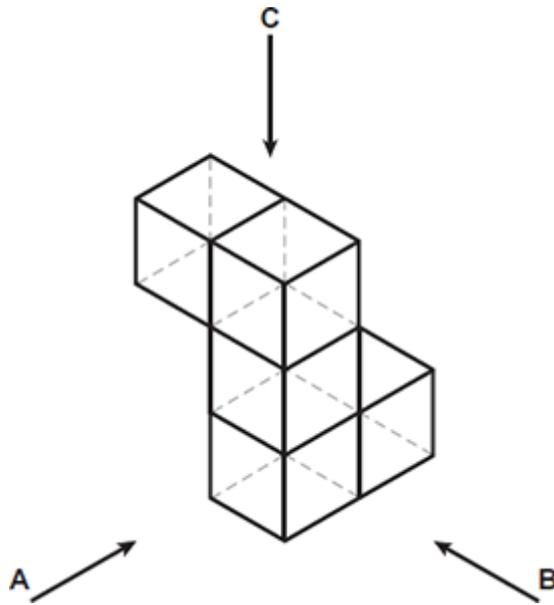
What is the width and height of the smallest letterbox possible?

Width = mm

Height = mm

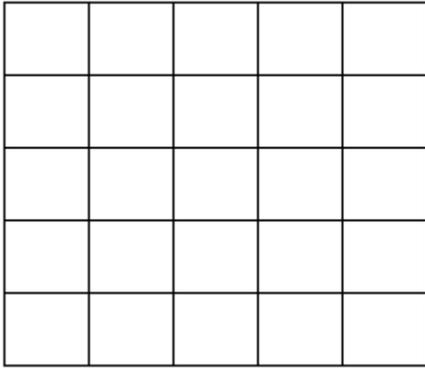
(3)
(Total 7 marks)

Q7. This shape is made from **five** cubes.

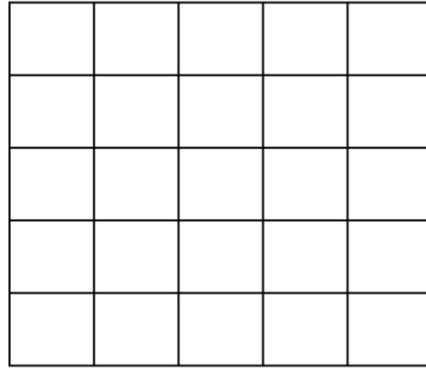


Draw what the shape looks like when seen from A, B and C.

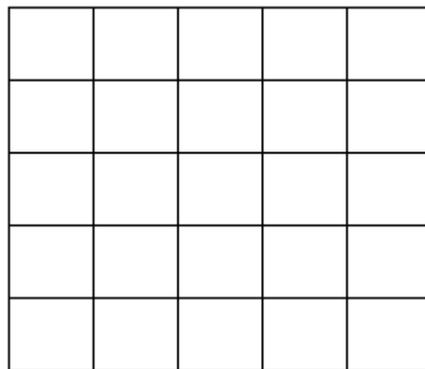
From A



From B

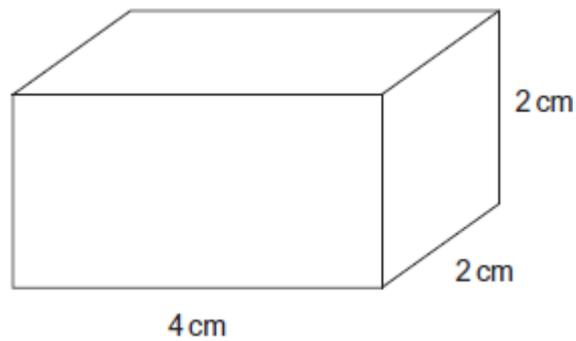


From C

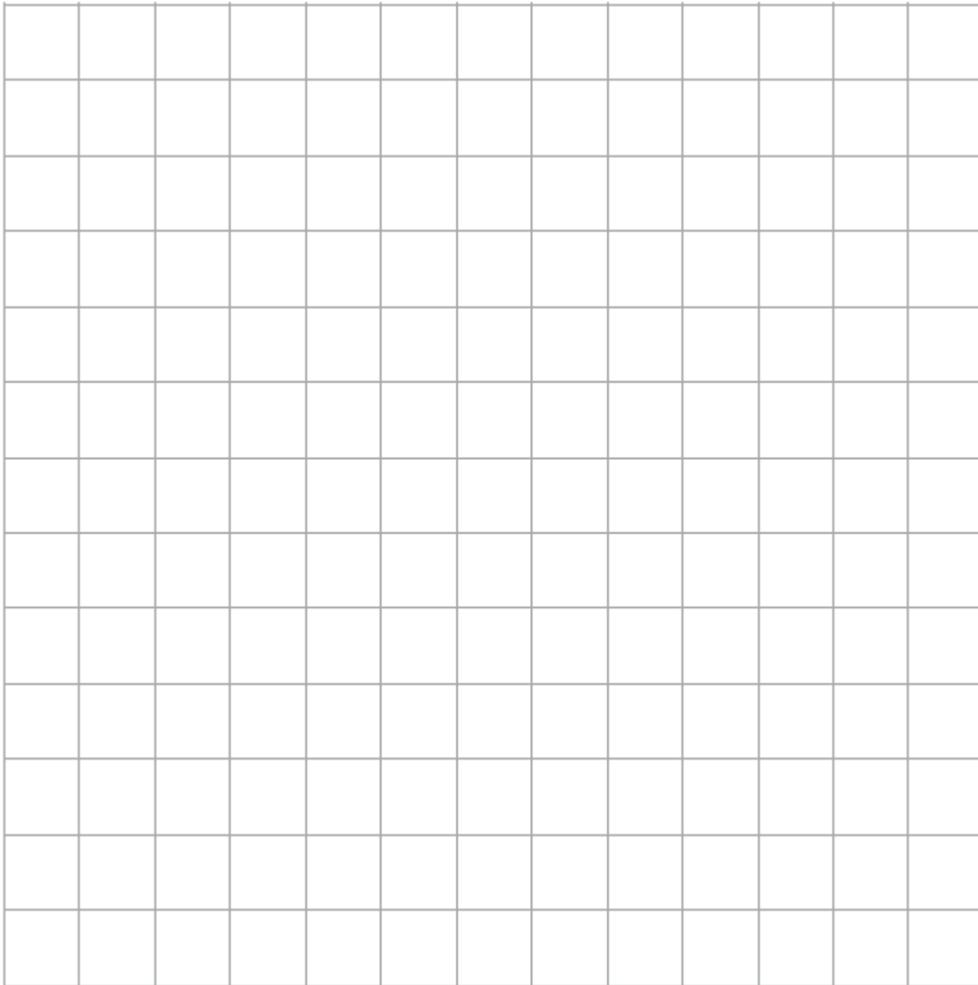


(Total 3 marks)

Q8. The diagram shows a cuboid.

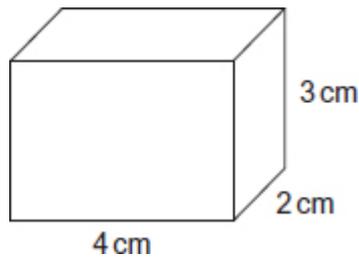


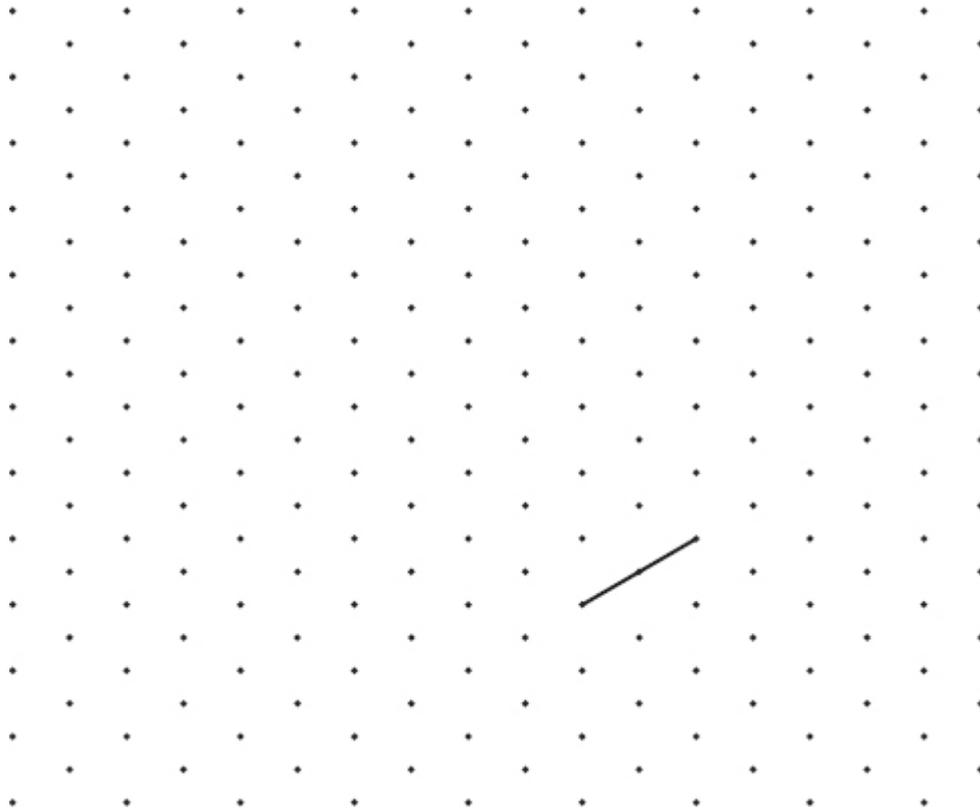
Draw an accurate net of the cuboid on this centimetre grid.



(Total 3 marks)

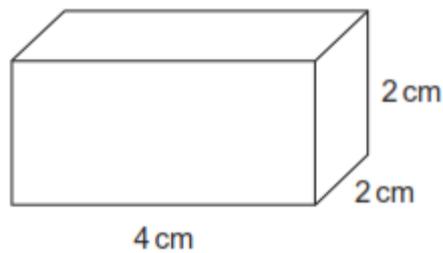
Q9. Make an accurate drawing of this cuboid on the isometric grid.
One edge has been drawn for you.



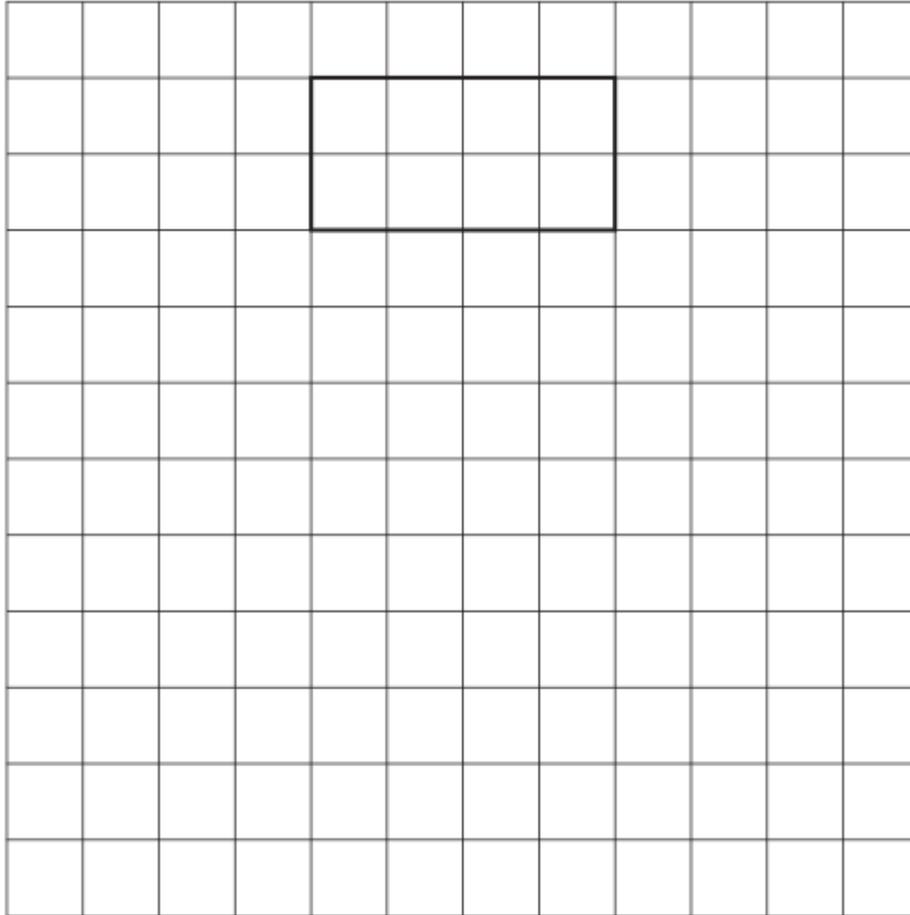


(Total 2 marks)

Q10. The diagram shows a cuboid.



On the centimetre grid, complete a possible net for the cuboid.
One face has been drawn for you.



(Total 3 marks)