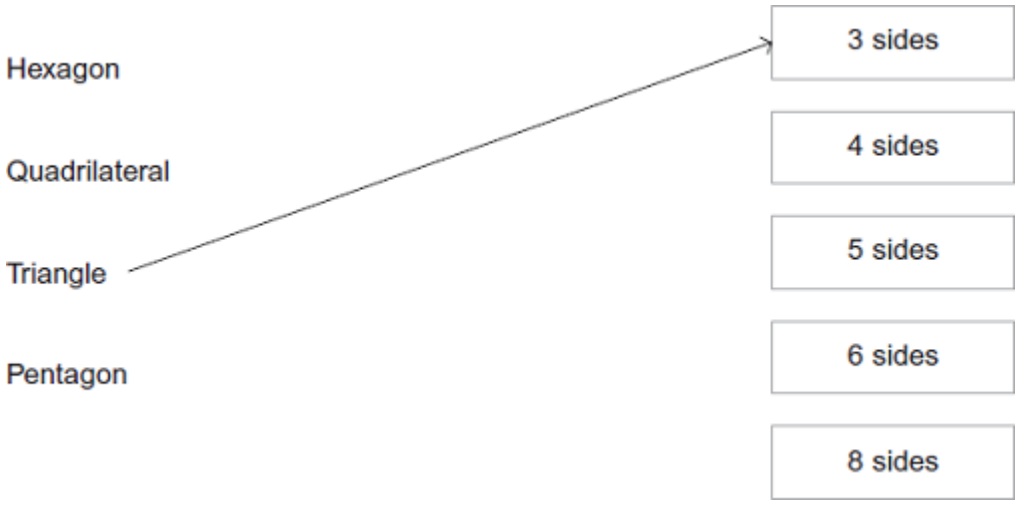
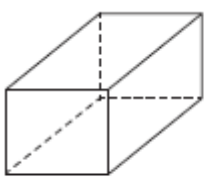
Q1.(a) Match each shape to its number of sides.
One has been done for you.

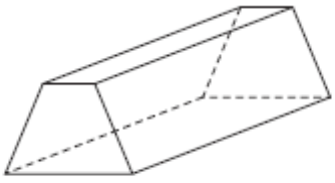


(3)

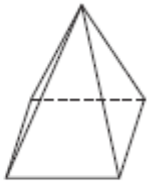
(b)



shape *A*



shape *B*



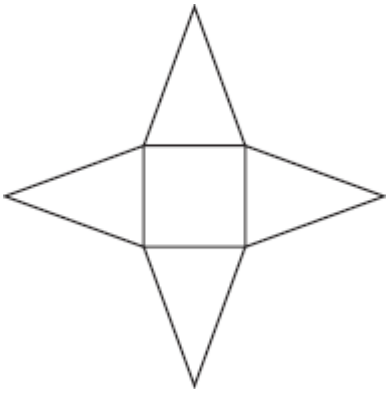
shape *C*

shape *A*

shape *B*

shape *C*

Here is a net for one of these shapes.



Which shape is it?

Answer .....

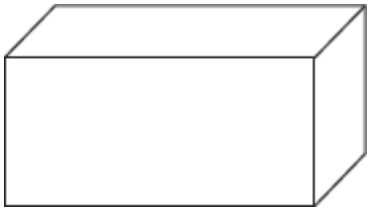
(1)
(Total 4 marks)

Q2.(a) Write down the mathematical name of this shape.

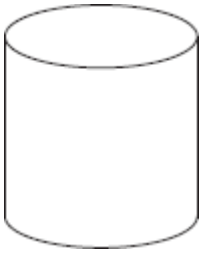
.....

(1)

(b) Write down the mathematical names of these solid shapes.



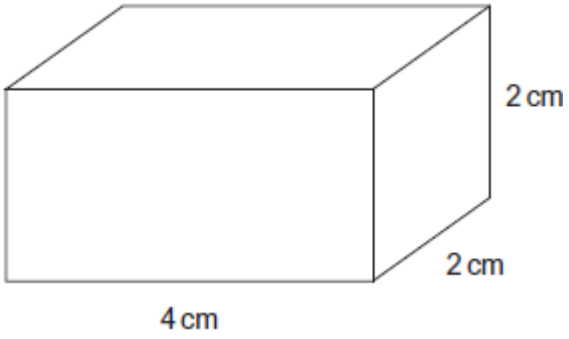
.....



.....

(2)
(Total 3 marks)

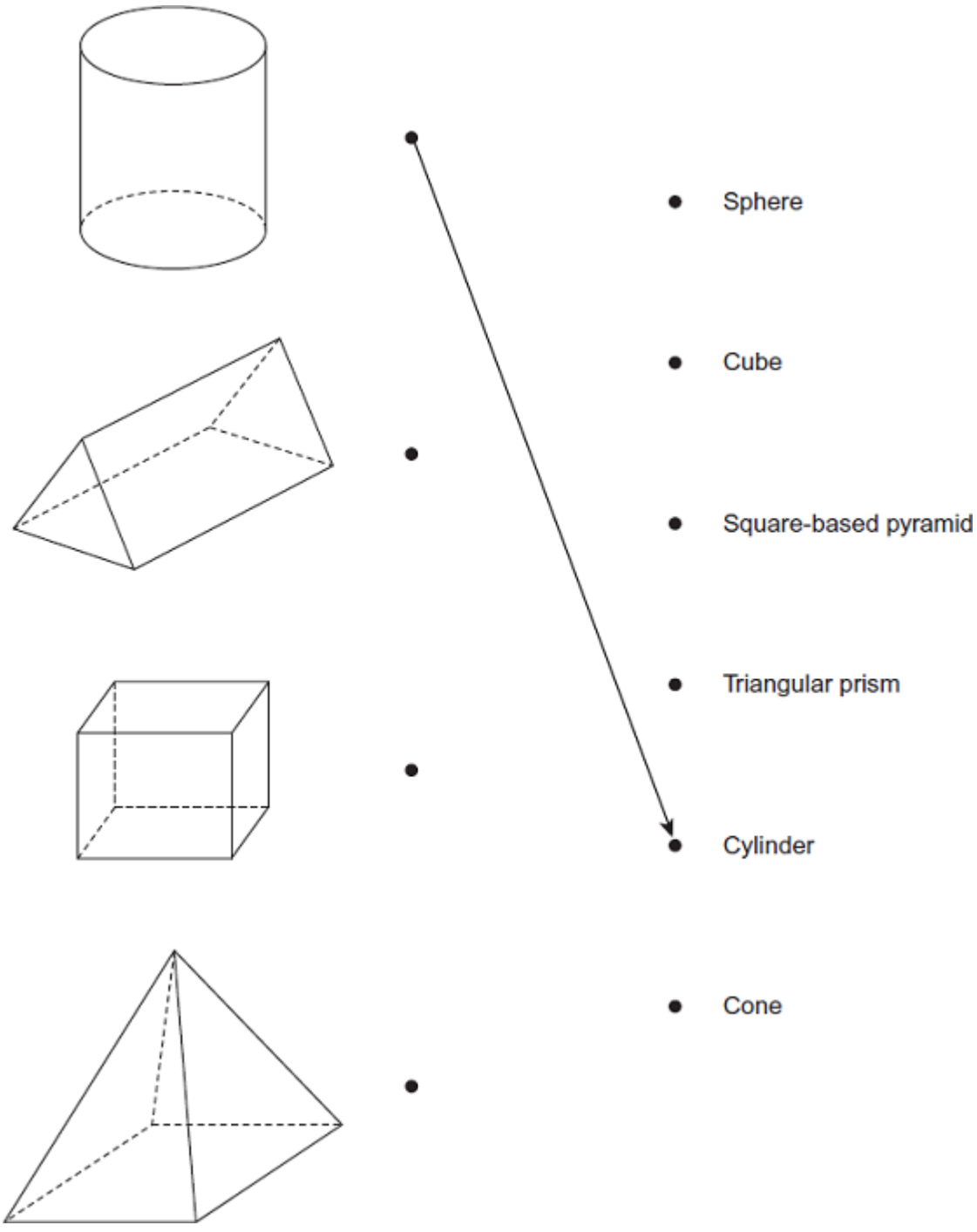
Q3. The diagram shows a cuboid.



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

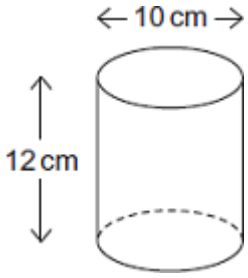
(Total 3 marks)

Q4.(a) Match the solid to its mathematical name.
The first one has been done for you.

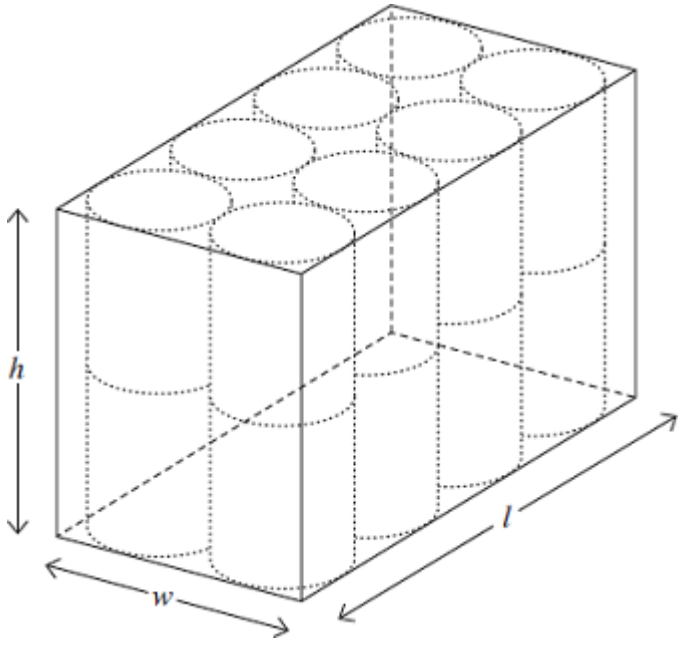


(3)

(b) This cylinder has a diameter of 10 cm and a height of 12 cm.



16 of the cylinders are packed tightly into a box.



Work out the length, l, the height, h and the width, w of the box.

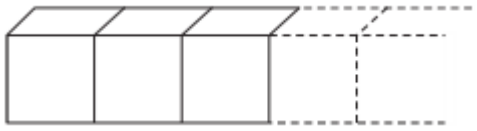
l = ... cm

h = ... cm

w = ... cm

(3)
(Total 6 marks)

Q5.A shape is made by joining centimetre cubes together in a row as shown.



The surface area of the shape is 34 cm^2.

Work out the number of cubes used to make the shape.

.....

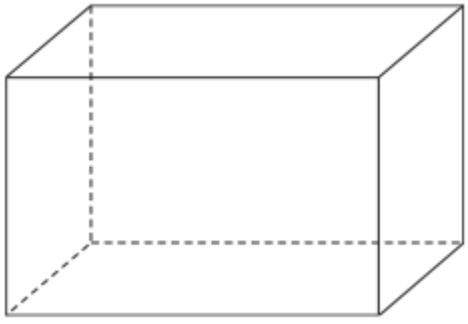
.....

.....

Answer .....

(Total 3 marks)

Q6. The total length of the 12 edges of a cuboid is 52 cm.
The length, width and height are all different.



Work out possible dimensions of the cuboid.

.....

.....

.....

.....

.....

Length = ... cm

Width = ... cm

Height = ... cm

(Total 3 marks)