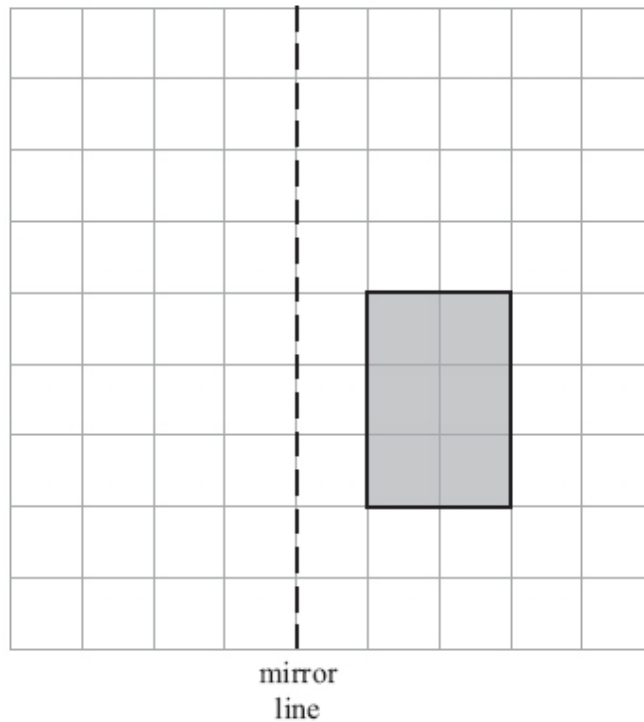


## Area and Perimeter Past Paper Questions



Q1.

Here is a shaded shape on a grid of centimetre squares.



(a) Find the perimeter of the shaded shape.

.....

(1)

(b) Find the area of the shaded shape.

..... cm<sup>2</sup>

(1)

(c) Reflect the shaded shape in the mirror line.

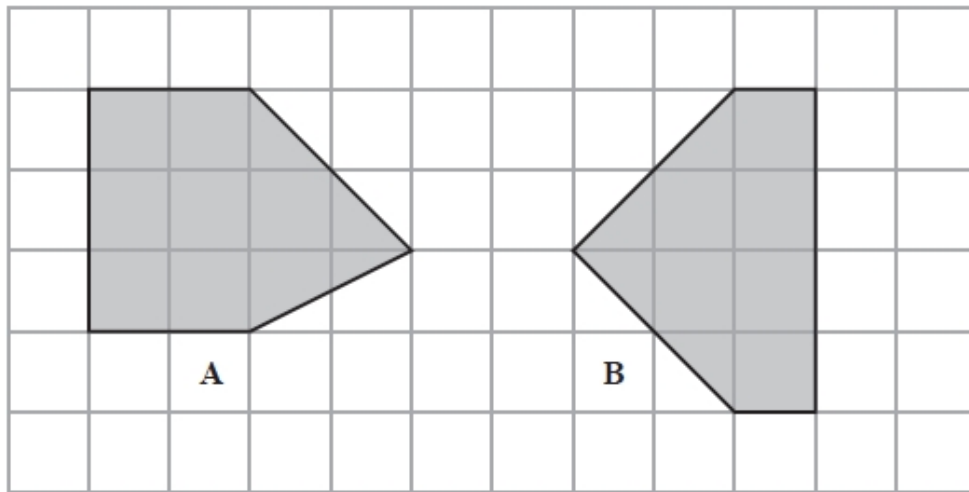
(2)

**(Total for Question is 4 marks)**

Q2.



\* Shape **A** and shape **B** are drawn on a centimetre grid.



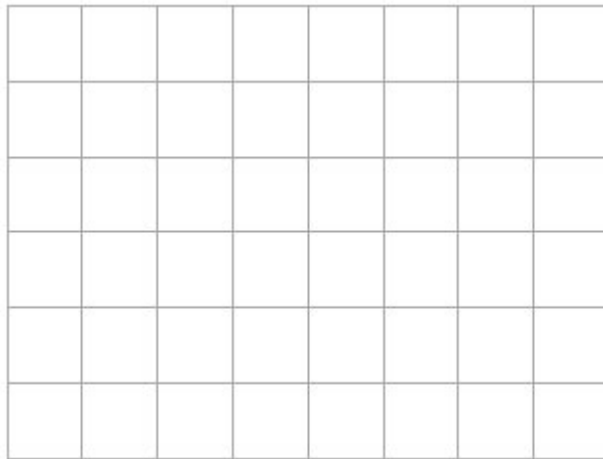
One shape has a greater area than the other.  
How much greater?

(Total for question = 3 marks)



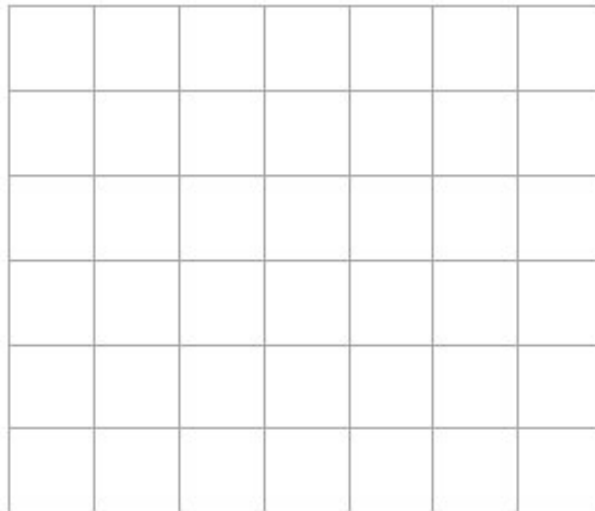
**Q3.**

(a) On the grid of centimetre squares, draw an isosceles triangle.



(1)

(b) On the grid of centimetre squares, draw a rectangle with a perimeter of 10 cm.



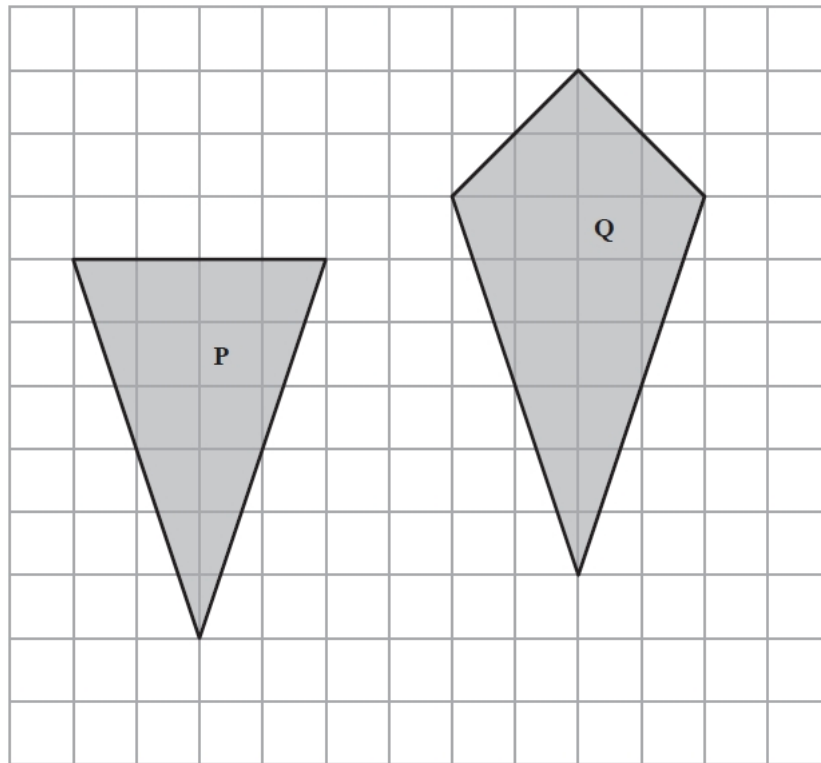
(2)

**(Total for Question is 3 marks)**

Q4.



The diagram shows two shapes drawn on a centimetre grid.



(a) Find the area of shape **P**.

.....

(2)

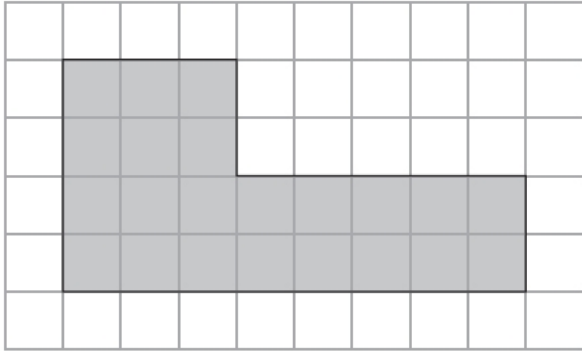
(b) Write down the mathematical name of quadrilateral **Q**.

.....

(1)

**(Total for question = 3 marks)**

Q5.



The shaded shape is drawn on a grid of centimetre squares.

(a) Find the perimeter of the shaded shape.

..... cm

(1)

(b) Find the area of the shaded shape.

..... cm<sup>2</sup>

(1)

(Total for Question is 2 marks)

Q6.

Here is a rectangle.

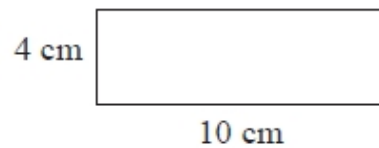
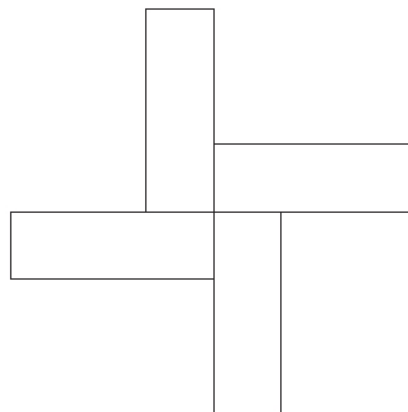


Diagram **NOT** accurately drawn

The 12-sided shape below is made from 4 of these rectangles.

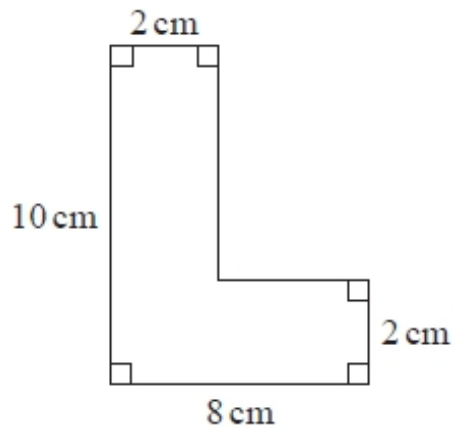


Work out the perimeter of the shape.

..... cm

(Total for Question is 3 marks)

Q7.



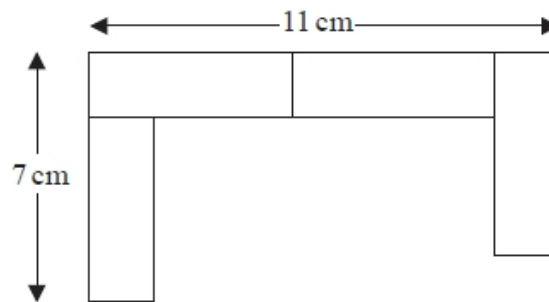
Work out the area of the shape.

..... cm<sup>2</sup>

(Total for question is 2 marks)

Q8.

A pattern is made using identical rectangular tiles.



Find the total area of the pattern.

..... cm<sup>2</sup>

(Total for question is 4 marks)

Q9.

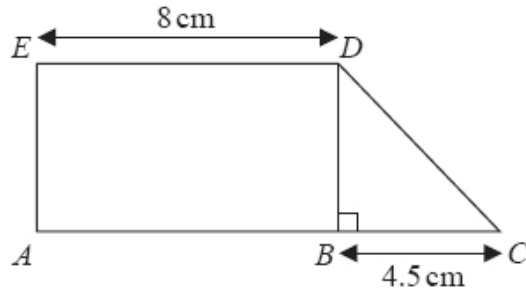


Diagram NOT  
accurately drawn

*ABDE* is a rectangle.

*ED* is 8cm.

*BDC* is a right-angled triangle.

*BC* is 4.5cm.

*ABC* is a straight line.

The area of the rectangle *ABDE* is  $40\text{cm}^2$ .

Work out the area of the triangle *BDC*.

..... $\text{cm}^2$

(Total for question = 3 marks)



Q10.

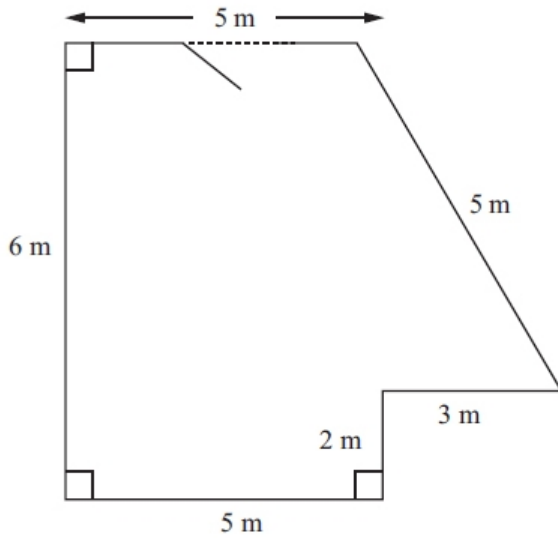


Diagram **NOT**  
accurately drawn

Fran is decorating her bedroom.  
She is going to put a border all around the  
bedroom.

This diagram shows a plan of the bedroom.

Border rolls are sold in 4 m lengths.  
Work out the number of border rolls Fran will  
need to buy.

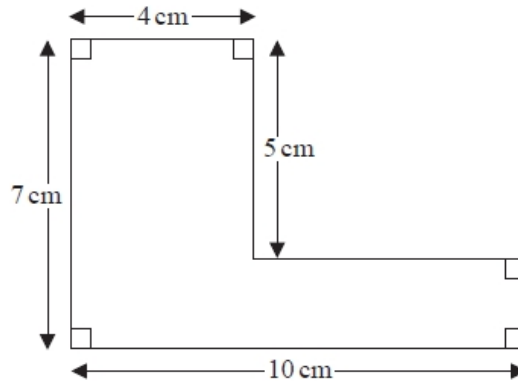
.....

(Total for Question is 4 marks)





Q11.

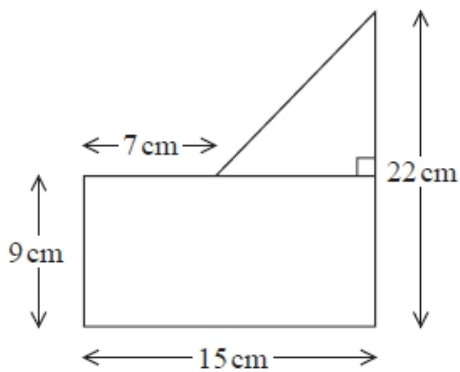


Work out the perimeter of this shape.

..... cm

(Total for question = 2 marks)

Q12.



Here is a shape made from a rectangle and a triangle.

Work out the total area of the shape.

..... cm<sup>2</sup>

(Total for question = 3 marks)



Q13.

\* The diagram shows the plan of a floor.

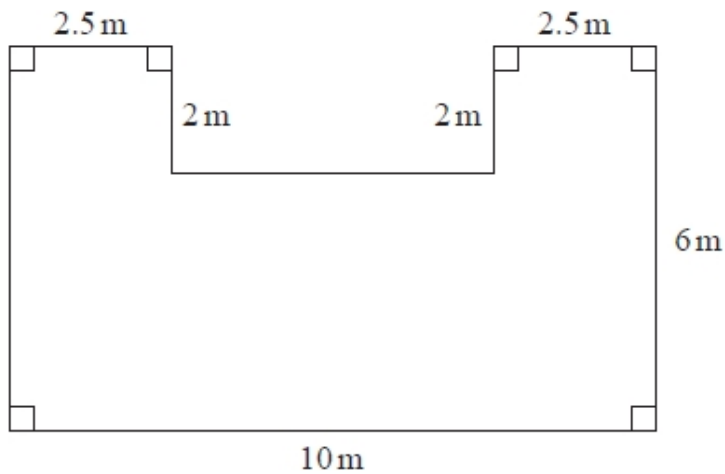


Diagram **NOT**  
accurately drawn

Angie is going to varnish the floor.

She needs 1 litre of varnish for  $5 \text{ m}^2$  of floor.

There are 2.5 litres of varnish in each tin of varnish.

Angie has 3 tins of varnish.

Does she have enough varnish for all the floor?

You must show all your working.

(Total for question = 5 marks)