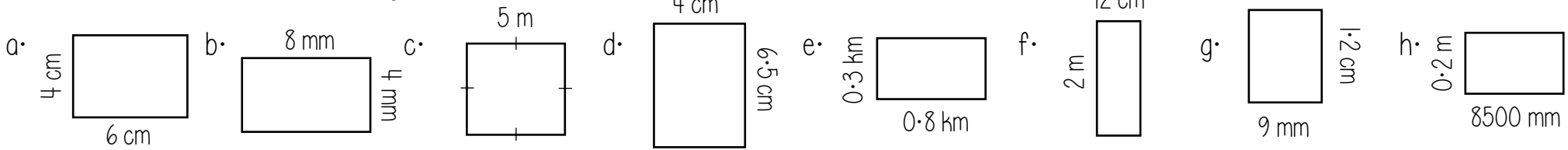
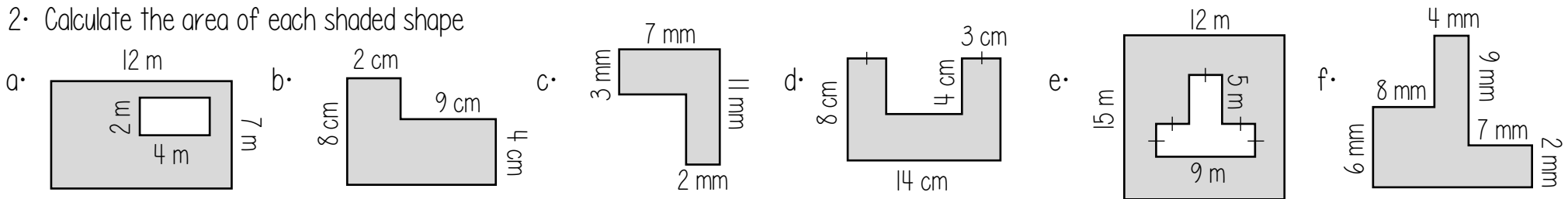


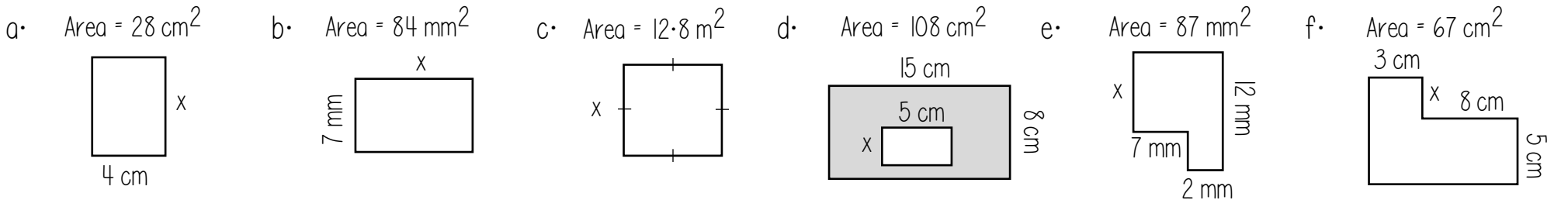
1. Calculate the area of each rectangle



2. Calculate the area of each shaded shape

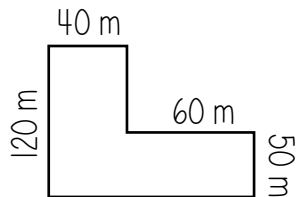


3. Find the length of the missing side, given the area of each shape

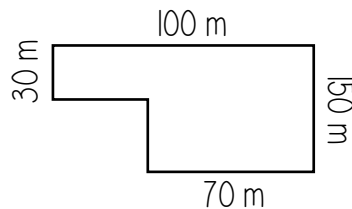


4.

a. A farmer wants to buy some cows.  
You can have 2 cows per  $50 \text{ m}^2$  of land.  
How many cows can the farmer have in his field?

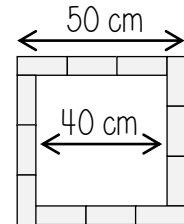


b. A farmer wants to buy some sheep.  
You can have 5 sheep per  $30 \text{ m}^2$  of land.  
How many sheep can the farmer have in his field?



5.

Twelve congruent rectangles are arranged to make a square.



Calculate the area of one of the rectangles.

6.

- a. A square has an area of  $49 \text{ mm}^2$ .  
What is the perimeter of the square?
- b. A square has a perimeter of  $40 \text{ cm}$ .  
What is the area of the square?
- c. A rectangle has an area of  $80 \text{ cm}^2$  and a perimeter of  $48 \text{ cm}$ .  
What is the length and width of the rectangle?
- d. A rectangle has an area of  $100 \text{ cm}^2$  and a perimeter of  $0.5 \text{ m}$ .  
What is the length and width of the rectangle?

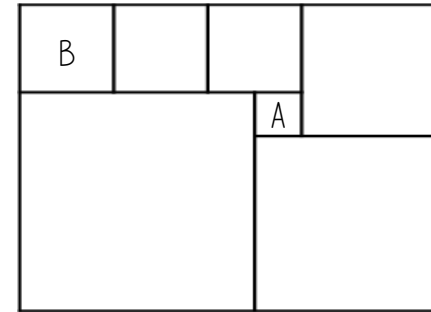
8.

Polly is tiling her kitchen wall.  
The kitchen wall is  $3.6 \text{ m}$  long and  $2.4 \text{ m}$  high.  
Each tile is a square with a side length of  $20 \text{ cm}$ .

The tiles are sold in boxes of  $8$ .  
Each box costs  $\text{£}6.50$   
How much will it cost Polly to tile her kitchen wall?

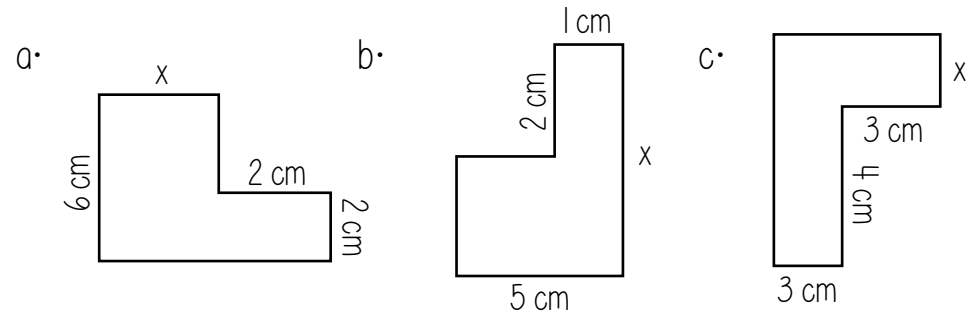
7.

There are 7 smaller squares inside the large rectangle.  
Square A has side length  $1 \text{ cm}$   
Square B has side length  $2 \text{ cm}$











What is the area of the rectangle?

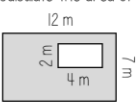
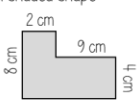
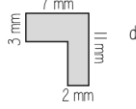
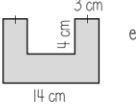
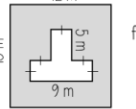
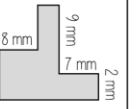
9. The perimeter of each shape is the same as its area.  
Find the value of  $x$ .




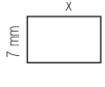
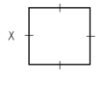
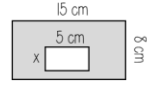
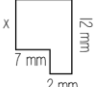
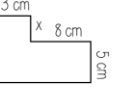
1. Calculate the area of each rectangle

a.  b.  c.  d.  e.  f.  g.  h. 

2. Calculate the area of each shaded shape

a.  b.  c.  d.  e.  f. 

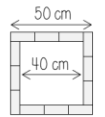
3. Find the length of the missing side, given the area of each shape

a. Area =  $28 \text{ cm}^2$   b. Area =  $84 \text{ mm}^2$   c. Area =  $12.8 \text{ m}^2$   d. Area =  $108 \text{ cm}^2$   e. Area =  $87 \text{ mm}^2$   f. Area =  $67 \text{ cm}^2$  

4. a. A farmer wants to buy some cows. You can have 2 cows per  $50 \text{ m}^2$  of land. How many cows can the farmer have in his field?

b. A farmer wants to buy some sheep. You can have 5 sheep per  $30 \text{ m}^2$  of land. How many sheep can the farmer have in his field?

5. Twelve congruent rectangles are arranged to make a square.



Calculate the area of one of the rectangles.

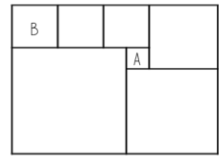
6. a. A square has an area of  $49 \text{ mm}^2$ . What is the perimeter of the square?

b. A square has a perimeter of 40 cm. What is the area of the square?

c. A rectangle has an area of  $80 \text{ cm}^2$  and a perimeter of 48 cm. What is the length and width of the rectangle?

d. A rectangle has an area of  $100 \text{ cm}^2$  and a perimeter of 0.5 m. What is the length and width of the rectangle?

7. There are 7 smaller squares inside the large rectangle. Square A has side length 1 cm. Square B has side length 2 cm.

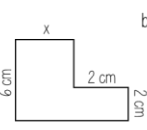
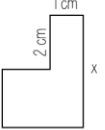
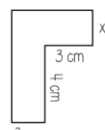


What is the area of the rectangle?









8. Polly is tiling her kitchen wall. The kitchen wall is 3.6 m long and 2.4 m high. Each tile is a square with a side length of 20 cm.

The tiles are sold in boxes of 8. Each box costs £6.50. How much will it cost Polly to tile her kitchen wall?

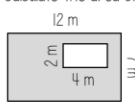
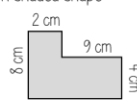
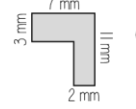
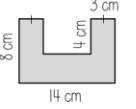
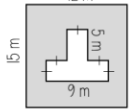
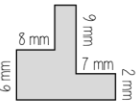
9. The perimeter of each shape is the same as its area. Find the value of x.

a.  b.  c. 


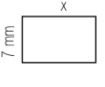
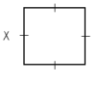
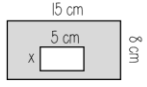
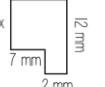
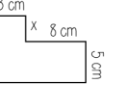
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a.  b.  c.  d.  e.  f.  g.  h. 

2. Calculate the area of each shaded shape

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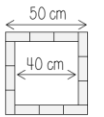
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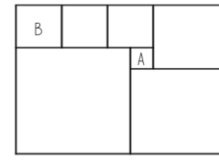
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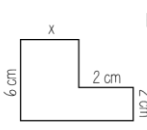
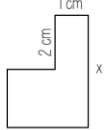


What is the area of the rectangle?

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a.  b.  c. 