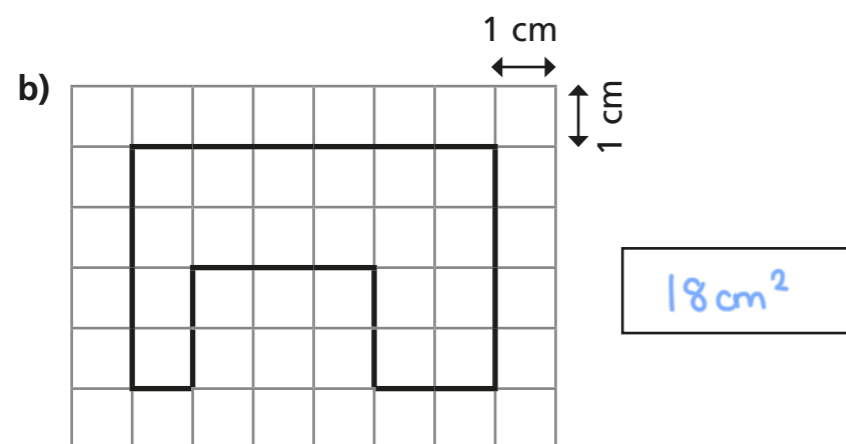
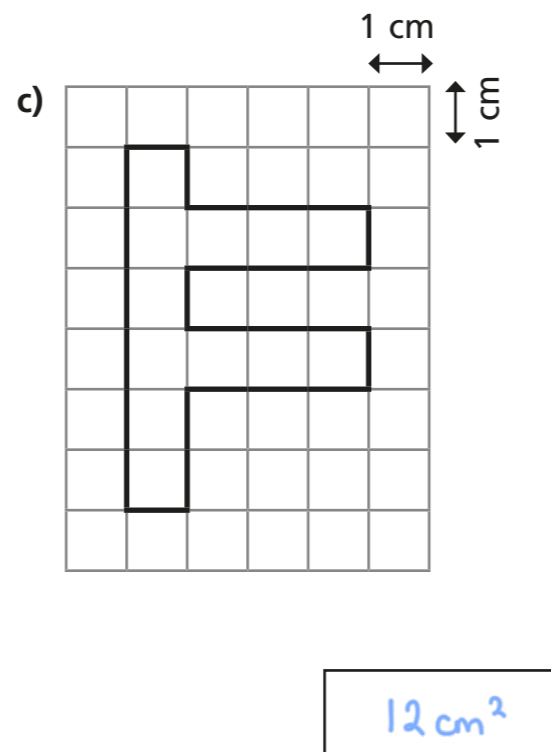
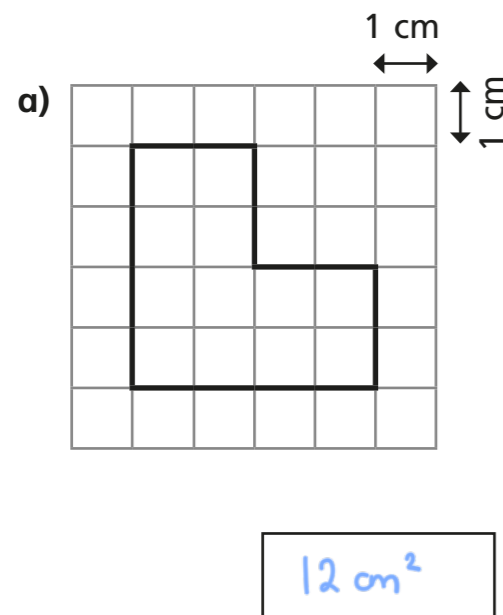
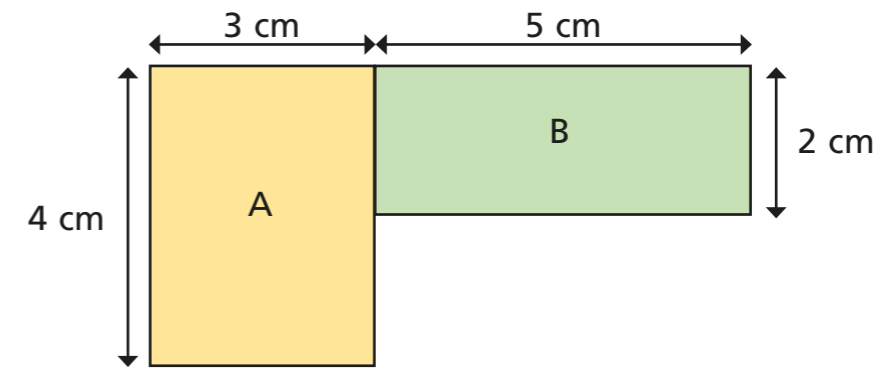


Area of compound shapes

- 1 On the grid, the area of each square is 1 cm^2
Calculate the area of each shape.



2



- a) Work out the area of rectangle A

area = 12 cm^2

- b) Work out the area of rectangle B

area = 10 cm^2

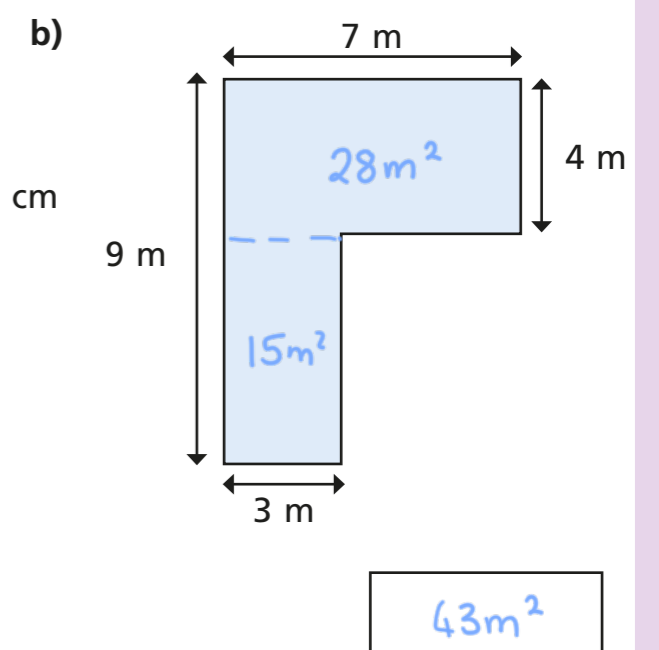
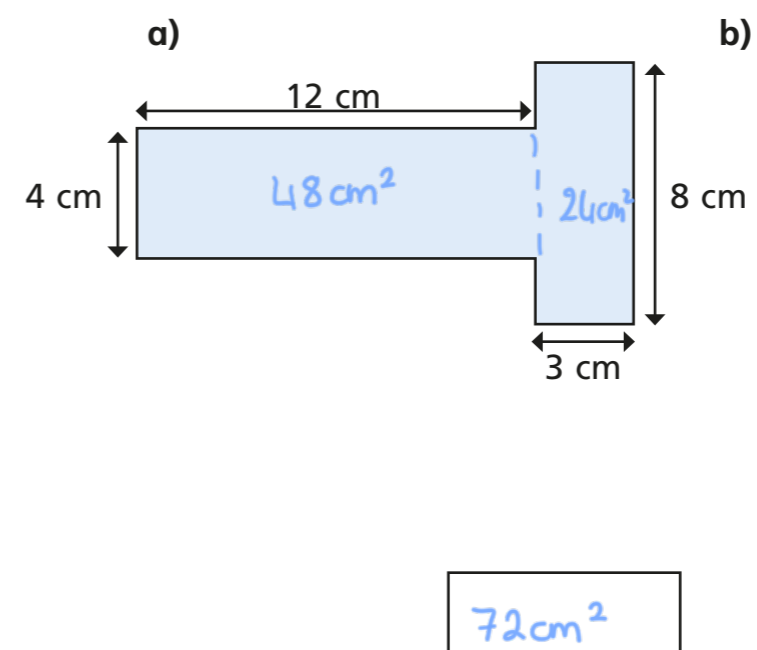
- c) Work out the area of the compound shape.

area = 22 cm^2

Talk about it with your partner.

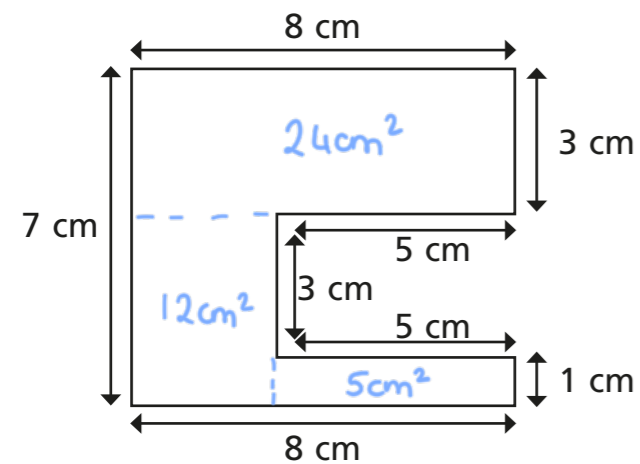
3

- Work out the area of each of the following shapes.
Show all your working.



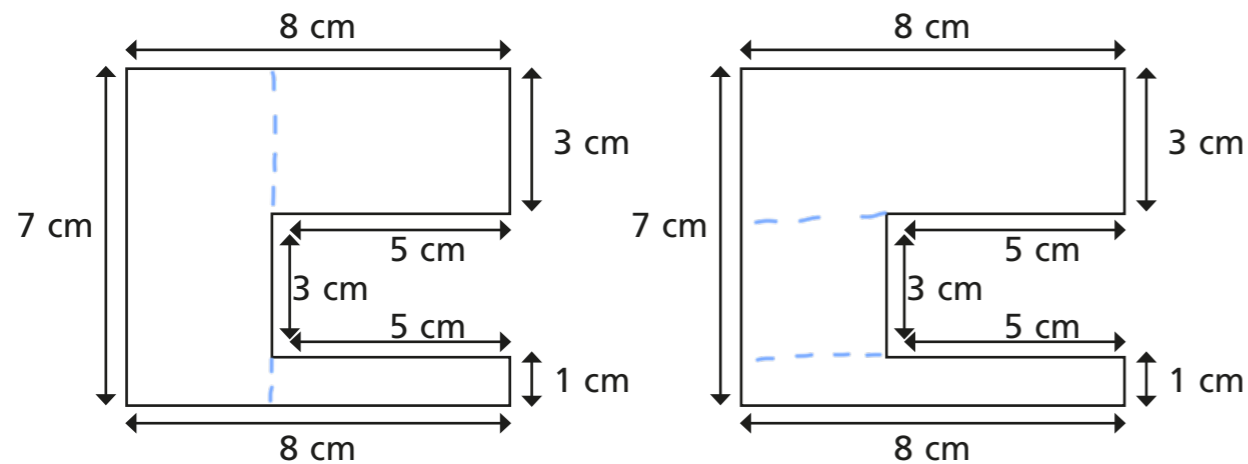
4 Calculate the area of the compound shapes.

a) Mark on the shape how you partitioned it.



41 cm²

b) Show how you can partition the shape in two other ways.



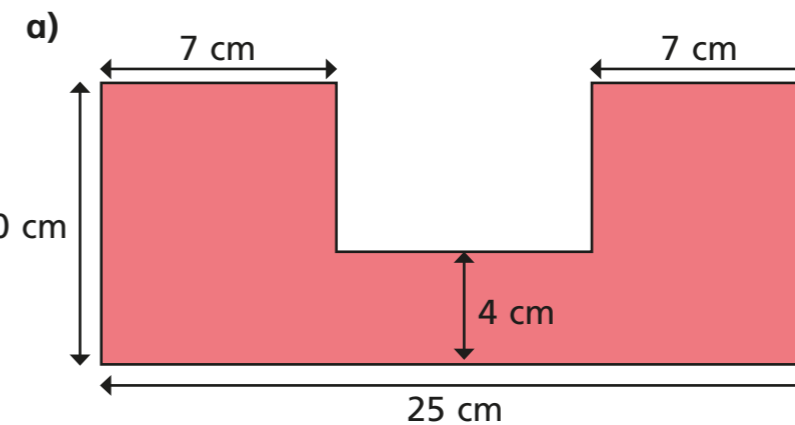
c) Alex has calculated the area of the same shape below.

$$\begin{aligned} 8 \times 7 &= 56 \\ 5 \times 3 &= 15 \\ 56 - 15 &= 41 \text{ cm}^2 \end{aligned}$$

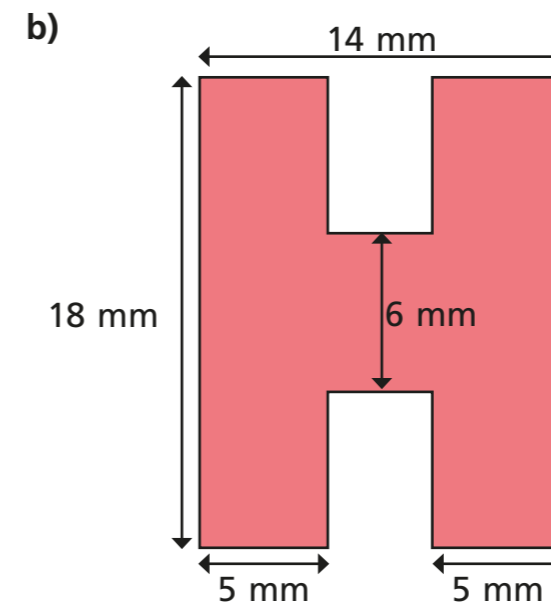
Explain the method Alex has used.

She has found the area of the larger rectangle and subtracted the area of the 'missing' rectangle.

5 Calculate the area of these compound shapes.

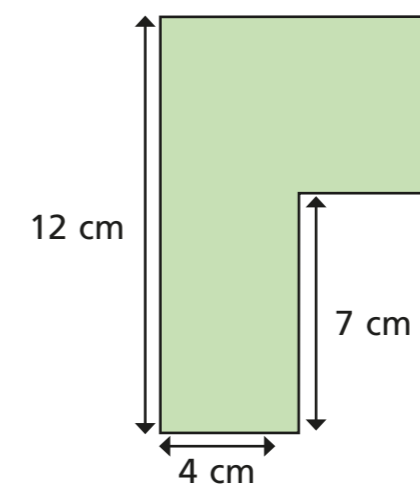


184 cm²



204 mm²

5 The area of this shape is 83 cm²
Work out the perimeter of the shape.



46 cm