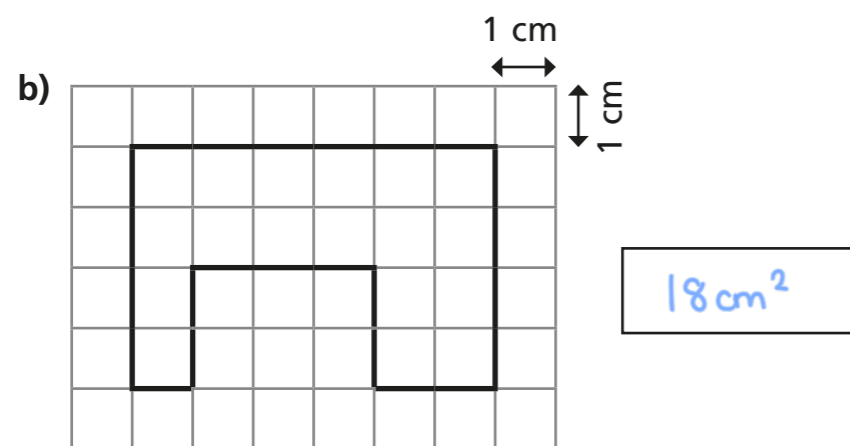
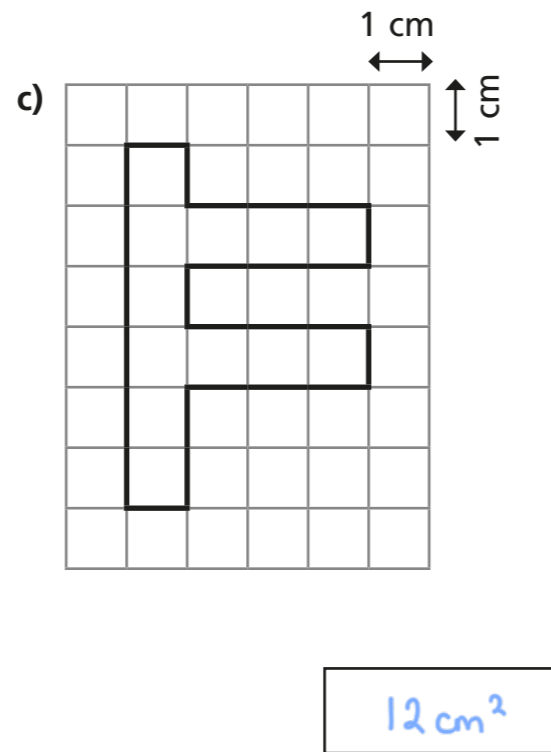
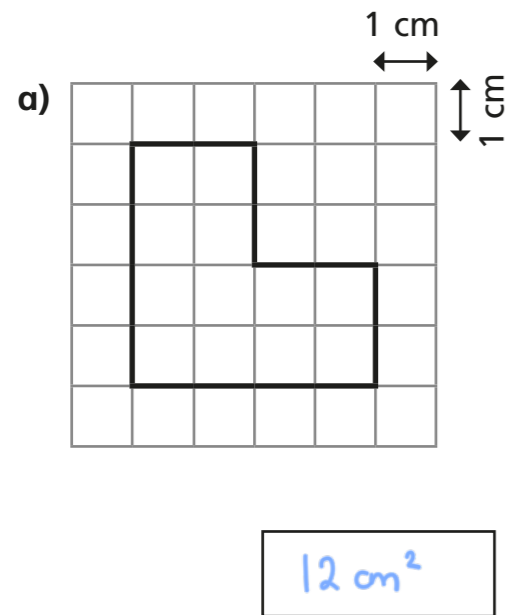
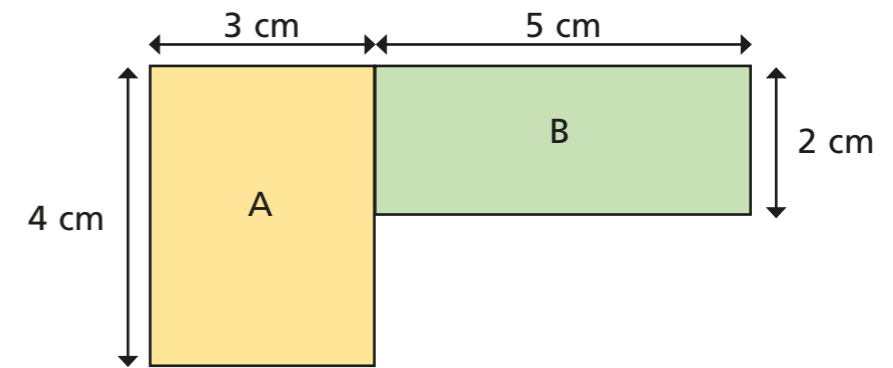


Area of compound shapes

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

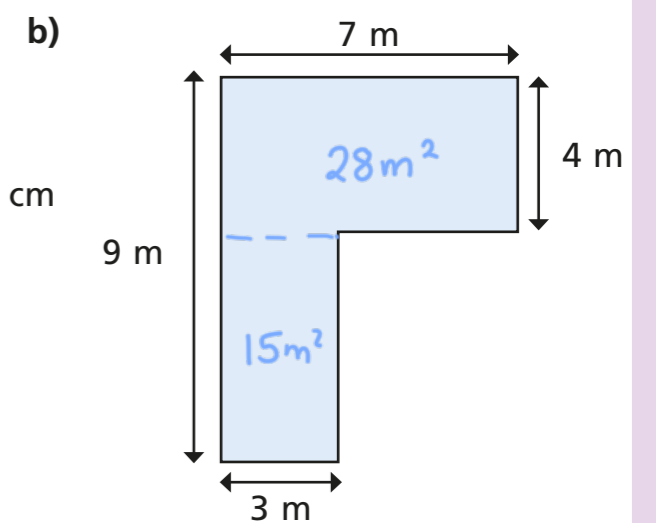
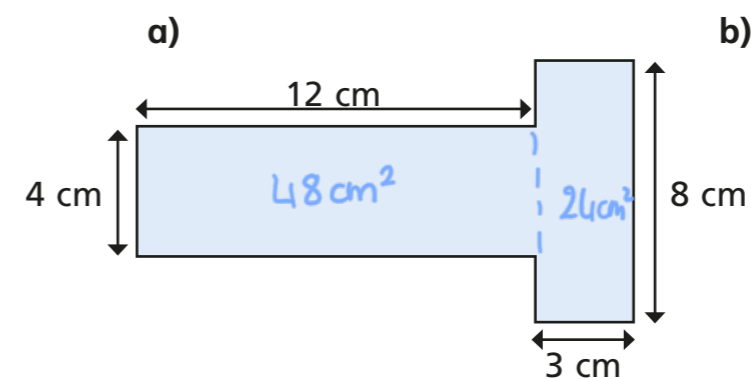
area = 10 cm^2

c) Work out the area of the compound shape.

area = 22 cm^2

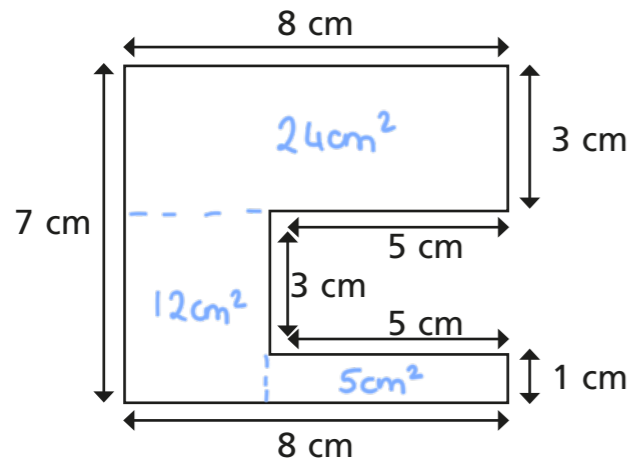
Talk about it with your partner.

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



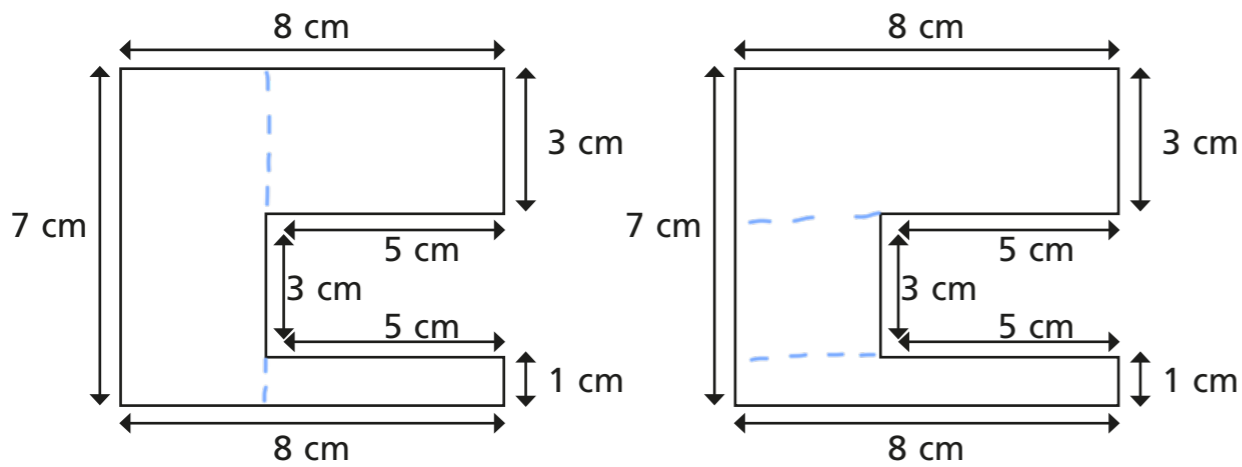
4 Calculate the area of the compound shapes.

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.

$$8 \times 7 = 56$$

$$5 \times 3 = 15$$

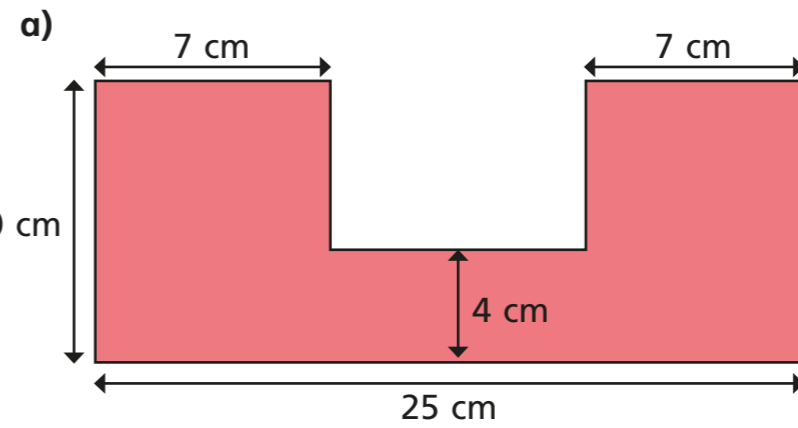
$$56 - 15 = 41 \text{ cm}^2$$

Explain the method Alex has used.

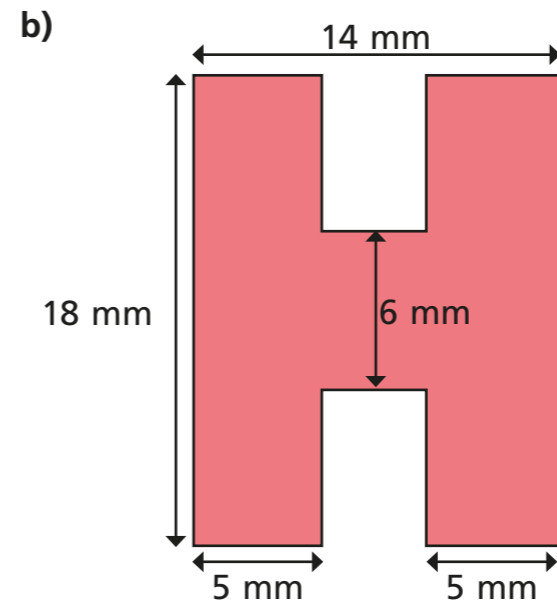
She has found the area of the larger rectangle and subtracted the area of the 'missing' rectangle.



5 Calculate the area of these compound shapes.

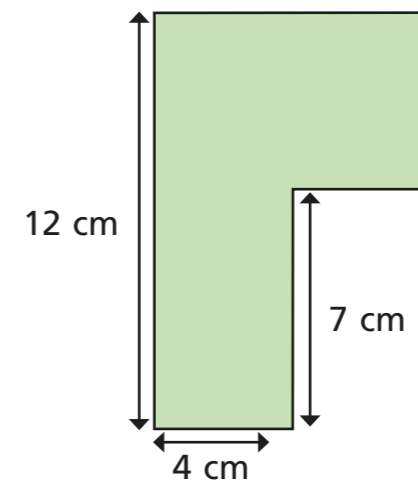


184 cm²



204 mm²

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



46 cm

