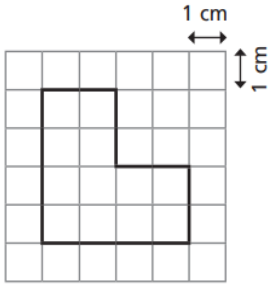
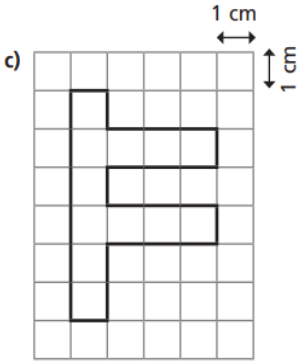
1 On the grid, the area of each square is 1 cm²

Calculate the area of each shape.

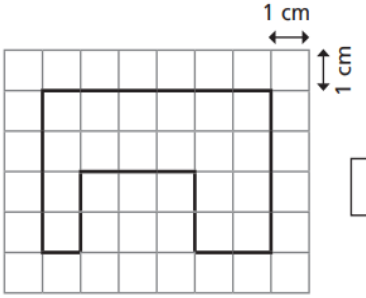
a)



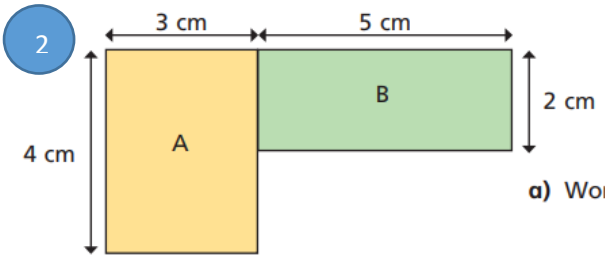
c)



b)



2



a) Work out the area of rectangle A

area =

b) Work out the area of rectangle B

area =

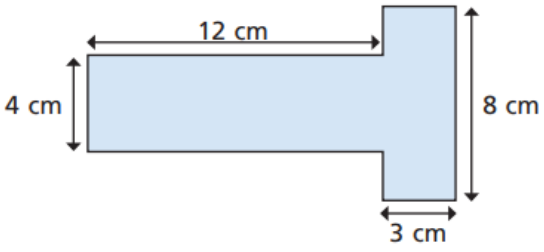
c) Work out the area of the compound shape.

area =

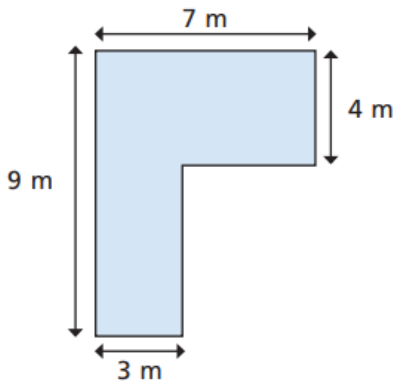
3 Work out the area of each of the following shapes.

Show all your working.

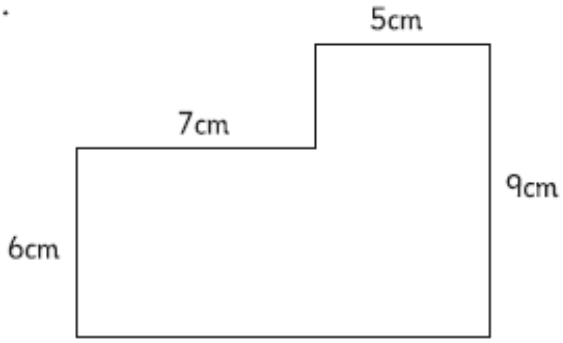
a)



b)

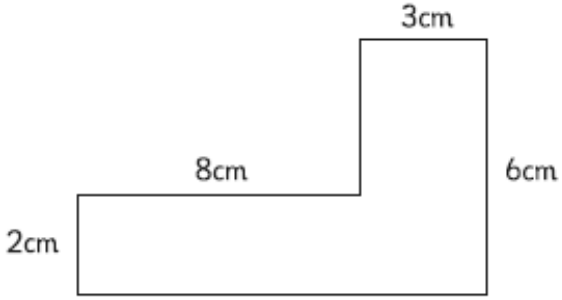


1.



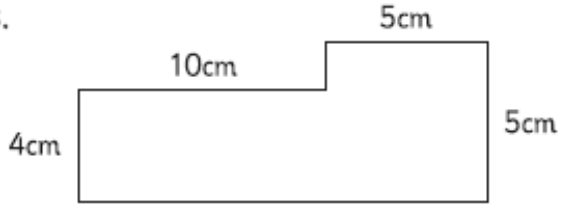
Area =

2.



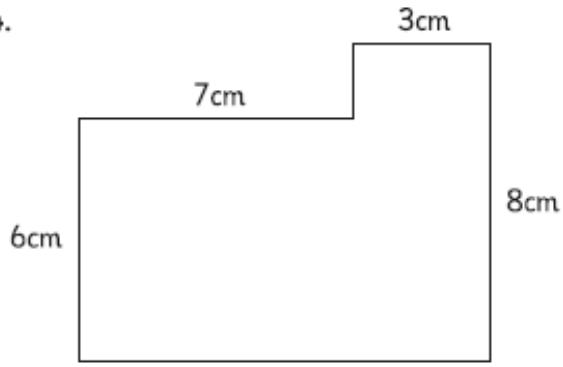
Area =

3.



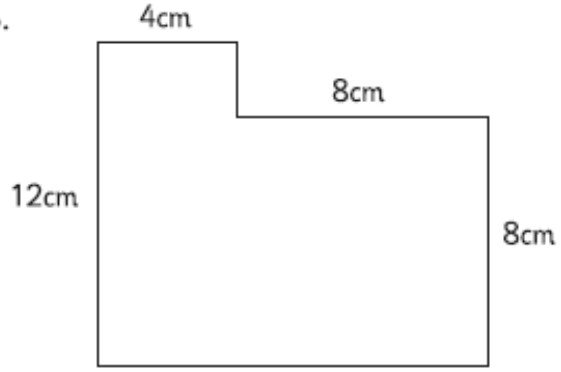
Area =

4.



Area =

5.

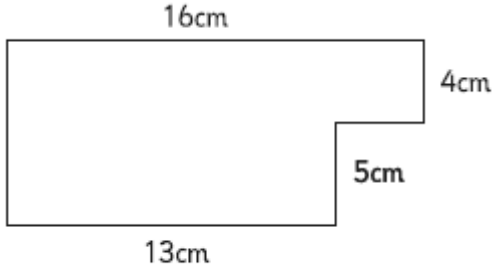


Area =

6.

Area =

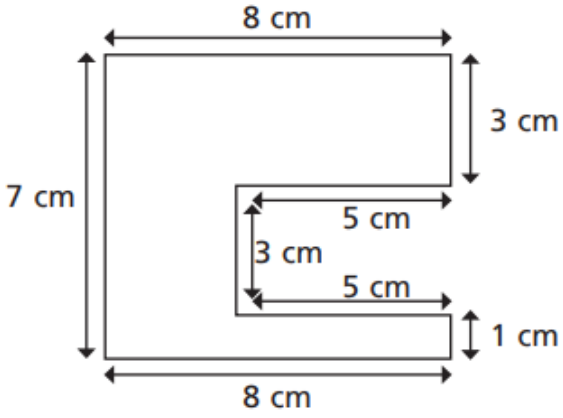
7.



Area =

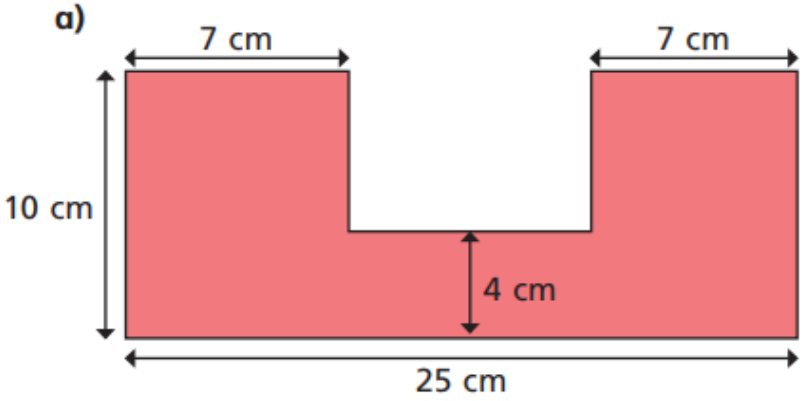
4 Calculate the area of the compound shapes.

a) Mark on the shape how you partitioned it.

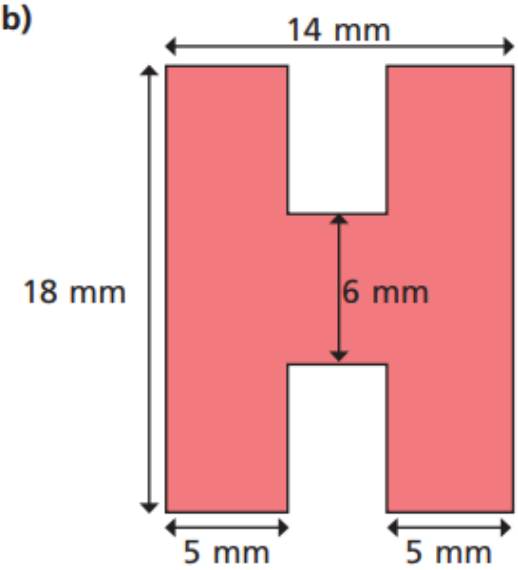


5 Calculate the area of these compound shapes.

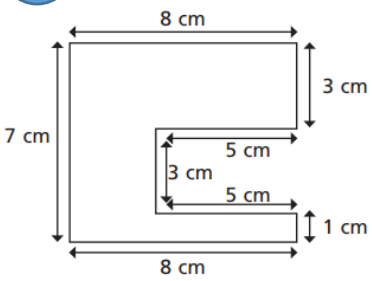
a)



b)



6



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.

7

The area of this shape is 83 cm^2

Work out the perimeter of the shape.