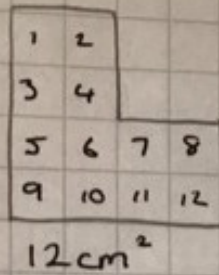
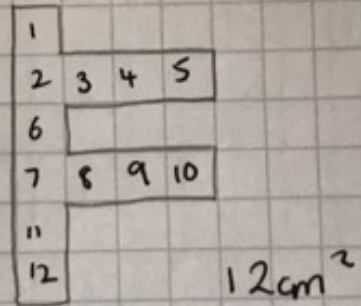


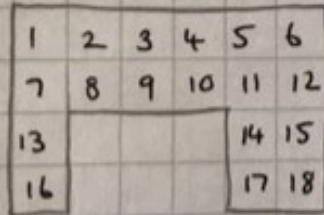
1. a)



b)

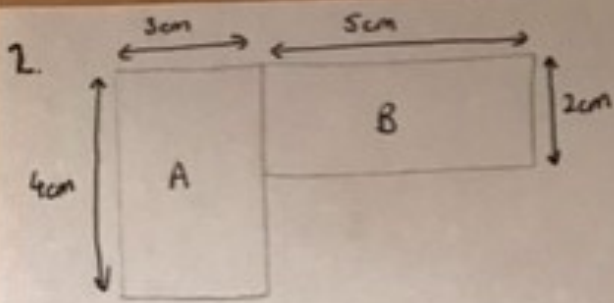


c)



$18\text{cm}^2$

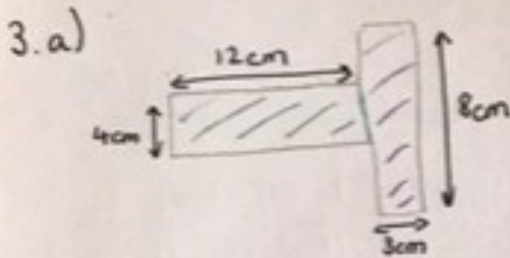
For these questions I chose to count the number of squares inside the shapes.



a) Shape A.  
 $4 \times 3 = 12 \text{ cm}^2$

b) Shape B.  
 $5 \times 2 = 10 \text{ cm}^2$

c) Area of compound shape.  
 $12 + 10 = 22 \text{ cm}^2$



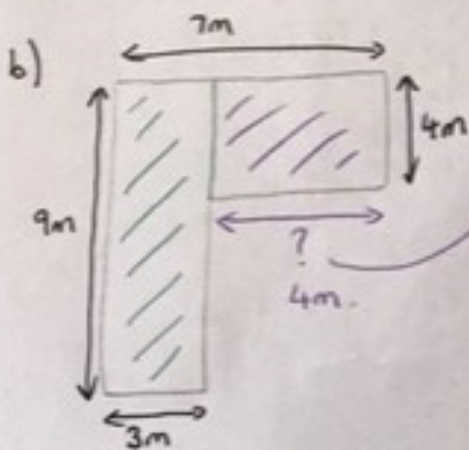
Green rectangle =  $12 \times 4 = 48 \text{ cm}^2$

Purple rectangle =  $8 \times 3 = 24 \text{ cm}^2$

Area of compound shape =

$$\begin{array}{r} 48 \\ + 24 \\ \hline 72 \\ \hline \end{array}$$

$72 \text{ cm}^2$



To work out this unknown length, I can use my perimeter knowledge from last week:

$$\begin{array}{l} \overbrace{\hspace{2cm}}^{7\text{m}} \\ \overbrace{\hspace{1.5cm}}^{3\text{m}} \overbrace{\hspace{1.5cm}}^{?} \end{array} \quad 7 - 3 = 4\text{m}.$$

Green rectangle =  $9 \times 3 = 27 \text{ m}^2$

Purple rectangle =  $4 \times 4 = 16 \text{ m}^2$   
 (it's actually a square!)

Area of compound shape =

$$\begin{array}{r} 27 \\ + 16 \\ \hline 43 \\ \hline \end{array} = 43 \text{ m}^2$$