



**Summer week 5 Lesson 2 – 19.05.20**

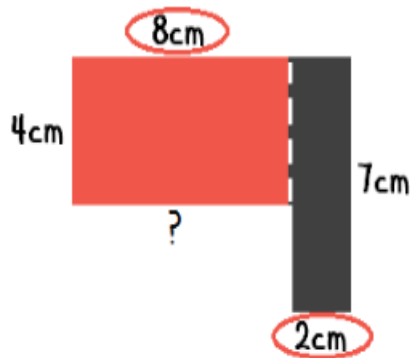
**LO: To calculate the area of compound shapes**

**Success Criteria:**

- |   |
|---|
| 1. Split your shape into smaller shapes           |
| 2. Calculate each smaller area – length x width   |
| 3. Add the areas together to find the total area. |

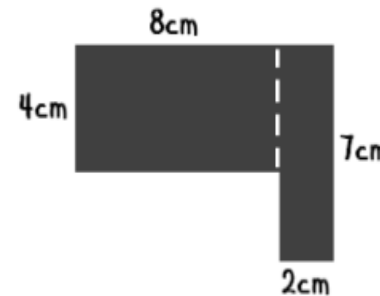
**Model**

1. First we split the shape into smaller Rectangular shapes



2. Next we find the area of each of the smaller shapes.

The area of the two shapes is



and  $2 \times 7 = 14\text{cm}^2$

$4\text{cm} \times 6\text{cm} = 24\text{cm}^2$

3. Finally, we add the Areas together

$24\text{cm}^2 + 14\text{cm}^2 = \underline{38\text{cm}^2}$

**Now Make up some of your own compound shapes and find their total areas.**

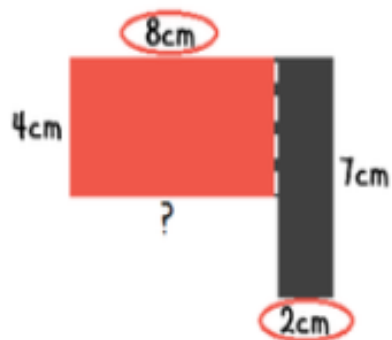
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**LO: To calculate the area of compound shapes**

**Success Criteria:**

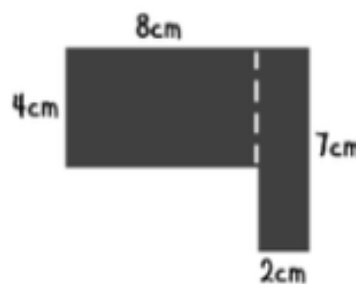
- |   |
|---|
| 1. Split your shape into smaller shapes           |
| 2. Calculate each smaller area – length x width   |
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1. **First** we split the shape into smaller Rectangular shapes



2. Next we find the area of each of the smaller shapes.

The area of the two shapes is



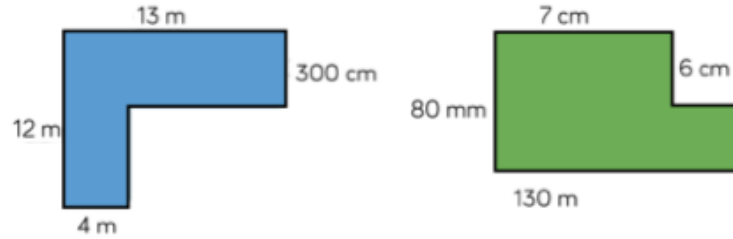
and  $2 \times 7 = 14\text{cm}^2$

$4\text{cm} \times 6\text{cm} = 24\text{cm}^2$

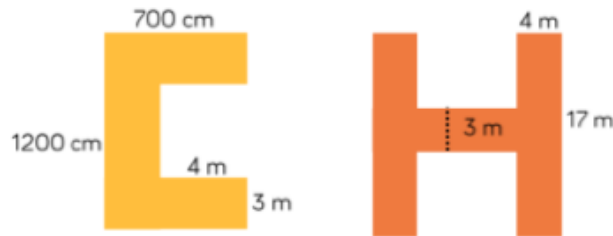
3. Finally, we add the Areas together

$$24\text{cm}^2 + 14\text{cm}^2 = \underline{38\text{cm}^2}$$

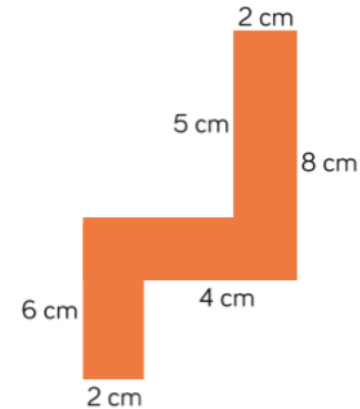
Calculate the area.



Calculate the area of these symmetrical shapes.



Jack says this shape has an area of  $34 \text{ cm}^2$ .



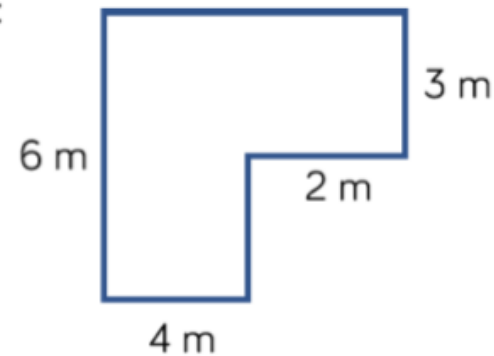
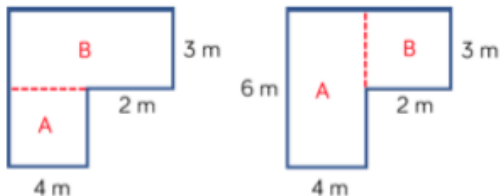
Show that Jack is correct.

Find three more possible compound shapes that have an area of  $34 \text{ cm}^2$ .

Find the area of the compound shape:

How many ways can we split the compound shape?

Is there more than one way?



Could we multiply  $6 \text{ m} \times 6 \text{ m}$  and then subtract  $2 \text{ m} \times 3 \text{ m}$ ?

How many different ways can you split this shape to find the area?



Add more values and work out the area.