

L.O.: I can reactivate my prior knowledge.

Think & discuss with a parent

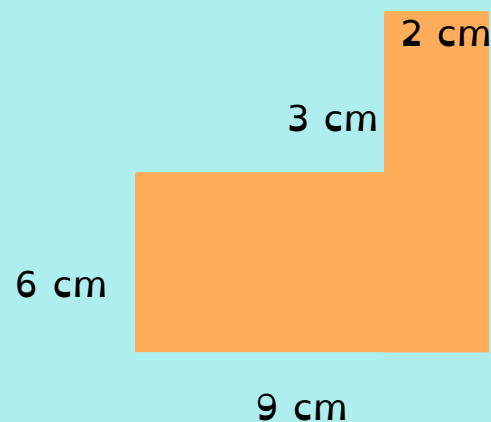


Mr Robinson wants to re-turf his garden (lay a new lawn), which has the shape of a rectangle and measures nine metres by eight metres. The shop assistant quotes him £136 for the whole garden, as turf costs £4 per  $\text{m}^2$ .

Is the quote correct or incorrect? Explain.

L.O.: I can find area of compound shapes.

Think & Discuss with somebody else: What is the area of this shape? How could I find the area of this shape?



Sentence-Stems:

- To find area of this compound shape, I first need to ...,  
... then I ...  
... and finally, I need to ...

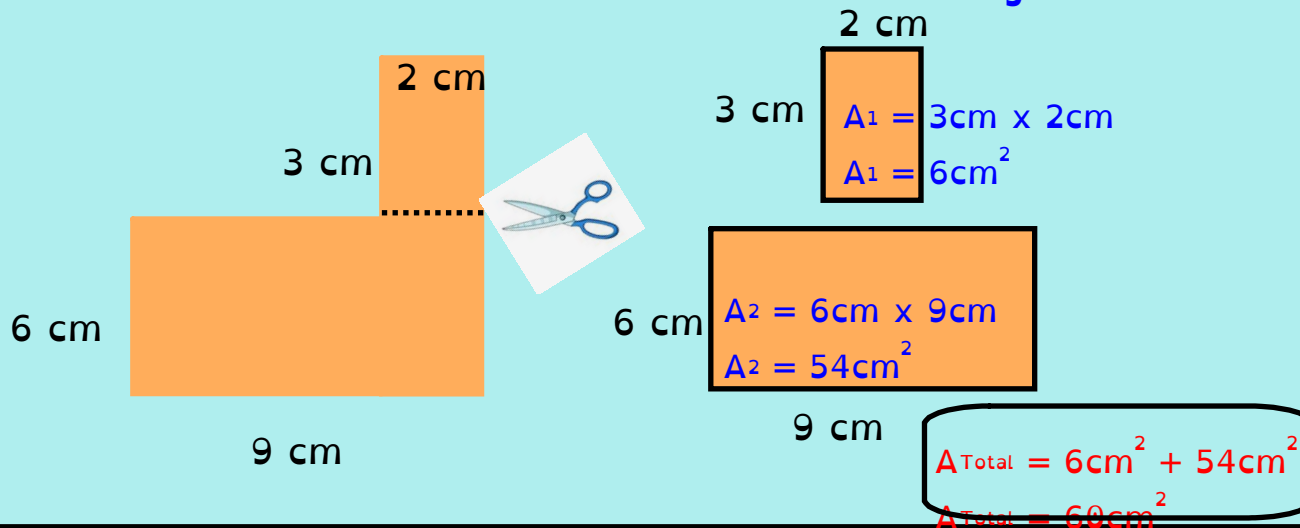
Keywords:

square, multiply, product, measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

L.O.: I can find area of compound shapes.

You are right, I have to split the shape into rectangles.

Then I calculate the individual areas and add them together.



Sentence-Stems:

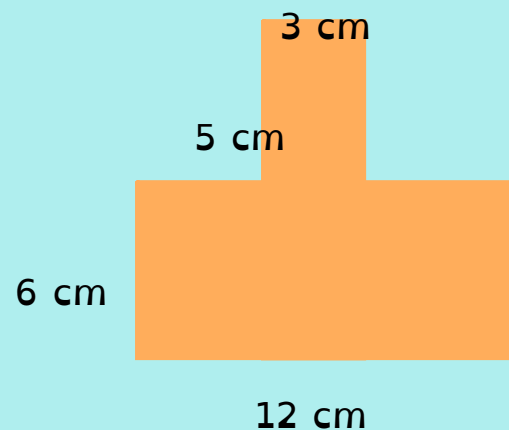
- To find area of this compound shape, I first need to ...,
- ... then I ...
- ... and finally, I need to ...

Keywords:

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L.O.: I can find area of compound shapes.

Your turn: What is the area of this shape?



Sentence-Stems:

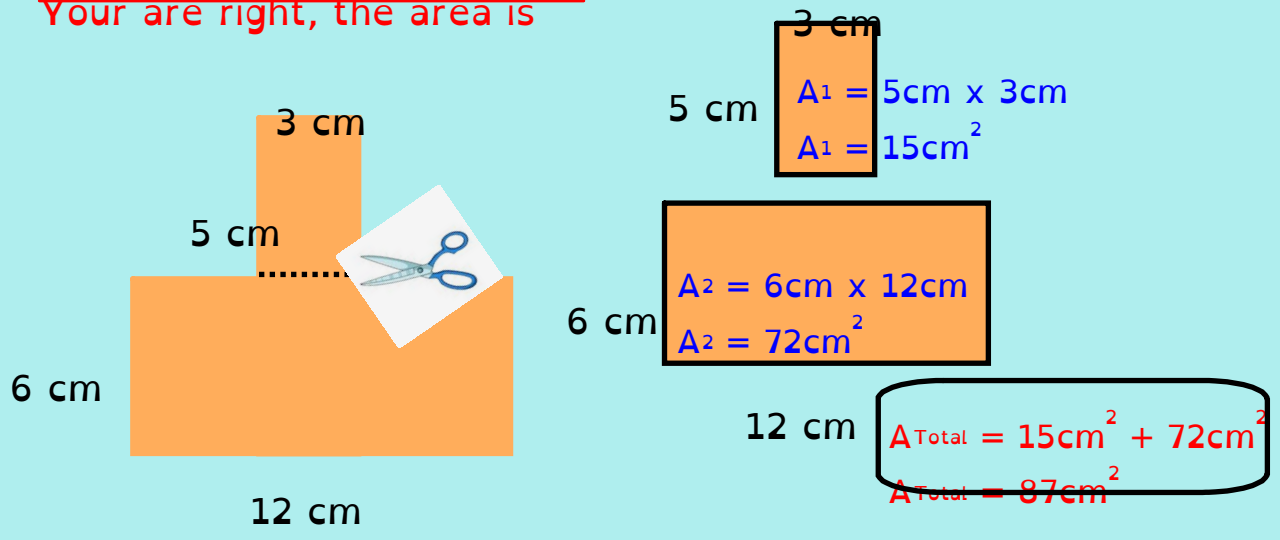
- To find area of this compound shape, I first need to ...,  
... then I ...  
... and finally, I need to ...

Keywords:

square, multiply, product, measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

L.O.: I can find area of compound shapes.

Your are right, the area is



Sentence-Stems:

- To find area of this compound shape, I first need to ...,  
 ... then I ...  
 ... and finally, I need to ...

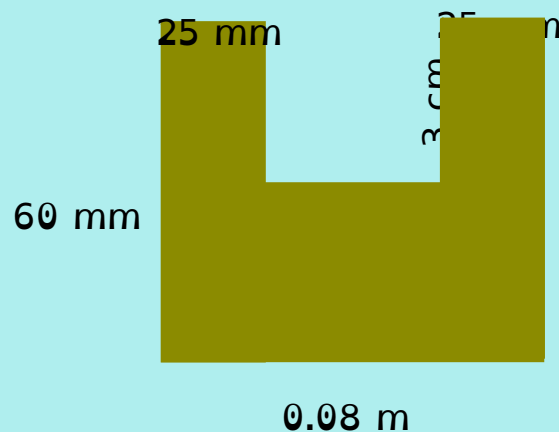
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L.O.: I can find area of compound shapes.

What makes finding the area of this shape tricky?

How can we find the area?



Sentence-Stems:

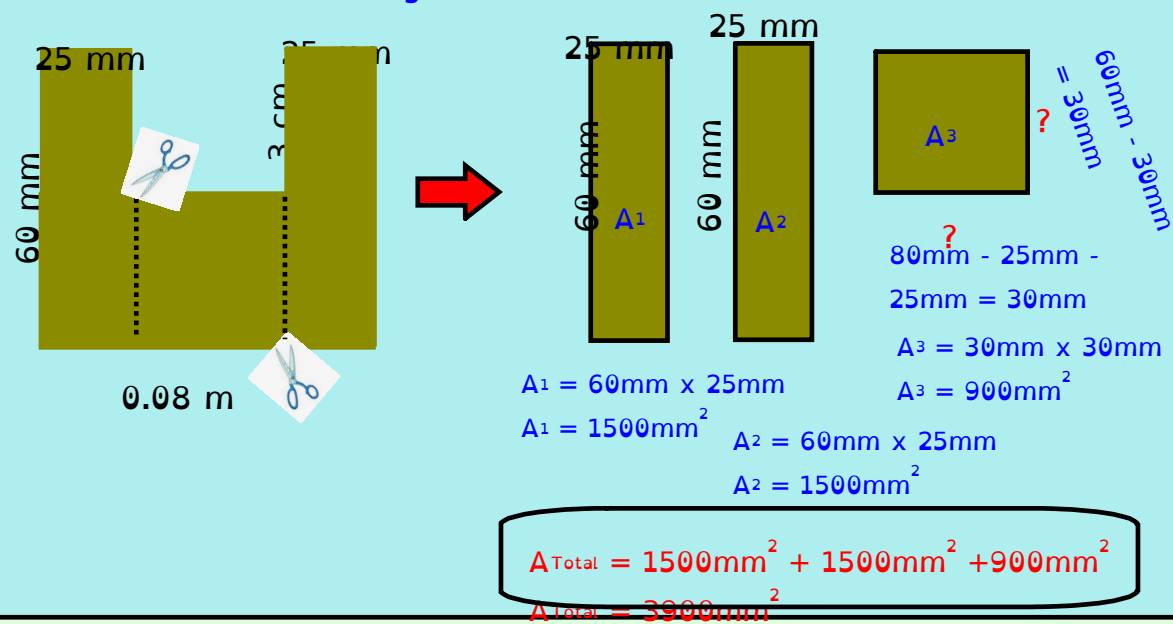
- To find area of this compound shape, I first need to ...,  
... then I ...  
... and finally, I need to ...

Keywords:

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L.O.: I can find area of compound shapes.

Correct! The shape needs to be split into 3 parts, some measurements are missing and there are different measurements.



Sentence-Stems:

- To find area of this compound shape, I first need to ...
- ... then I ...
- ... and finally, I need to ...

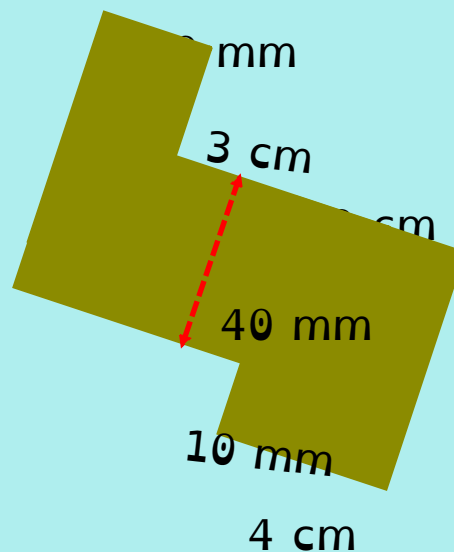
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L.O.: I can find area of compound shapes.

Partner-Task: True or false? Explain.

The area  
of this  
compound  
shapes is  
 $57 \text{ cm}^2$ .



Sentence-Stems:

- To find area of this compound shape, I first need to ...,  
... then I ...  
... and finally, I need to ...

Keywords:

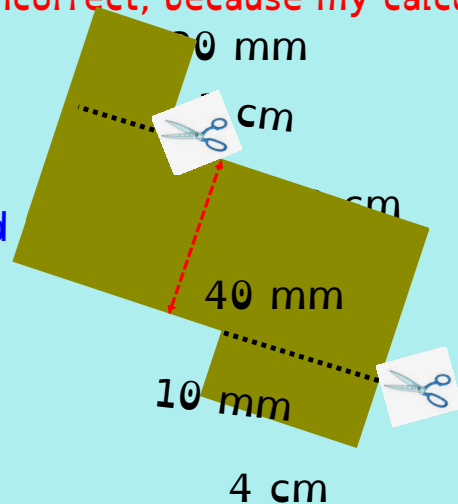
square, multiply, product, measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...



L.O.: I can find area of compound shapes.

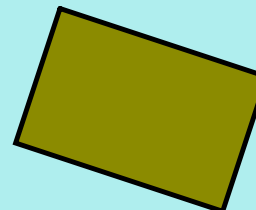
Check! The answer stating that the area of the compound shape is  $57\text{cm}^2$  is incorrect, because my calculation shows  $4500\text{mm}^2/45\text{cm}^2$ .

The area of this compound shapes is  $57\text{cm}^2$ .



$$A_1 = 30\text{mm} \times 30\text{mm}$$

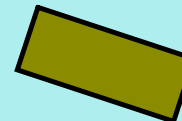
$$A_1 = 900\text{mm}^2$$



$$3\text{cm} \times 3\text{cm} = 9\text{cm}^2$$

$$A_2 = 80\text{mm} \times 40\text{mm}$$

$$A_2 = 3200\text{mm}^2$$



$$8\text{cm} \times 4\text{cm} = 32\text{cm}^2$$

$$A_3 = 10\text{mm} \times 40\text{mm}$$

$$A_3 = 400\text{mm}^2$$

$$1\text{cm} \times 4\text{cm} = 4\text{cm}^2$$

$$A_{\text{Total}} = 900\text{mm}^2 + 3200\text{mm}^2 + 400\text{mm}^2$$

$$A_{\text{Total}} = 4500\text{mm}^2$$

$$9\text{cm}^2 + 32\text{cm}^2 + 4\text{cm}^2 = 45\text{cm}^2$$

Sentence-Stems:

- To find area of this compound shape, I first need to ...,
- ... then I ...
- ... and finally, I need to ...

Keywords:

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**Task:** Complete the tasks from your sheet.



**Plenary**



**RL:** Explain in your own words and about 3 sentences, how to find the area of compound shapes.

**Sentence-Stems:**

- To find area of this compound shape, I first need to ...,  
... then I ...  
... and finally, I need to ...

**Keywords:**

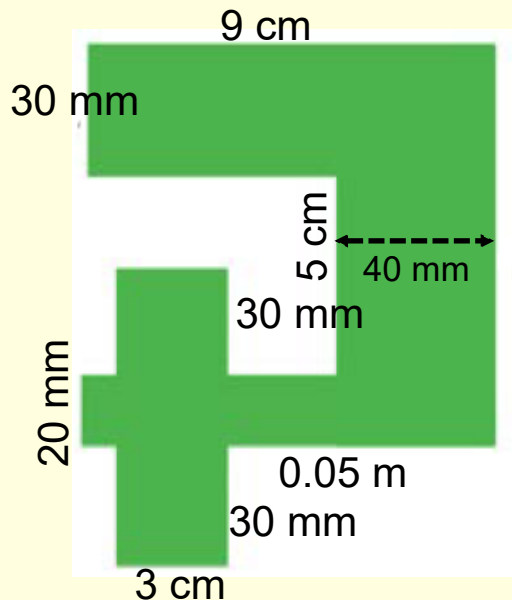
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L.O.: I can find area of compound shapes.

BONUS QUESTION

The area of this compound shapes is  $83 \text{ cm}^2$ .

Partner-Task: True or false? Explain.



Sentence-Stems:

- I agree/disagree, because ...
- To find area of this compound shape, I first need to ..., ... then I ...
- ... and finally, I need to ...

Keywords:

square, multiply, product, measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...