



**Summer week 5 Lesson 2 – 19.05.20**

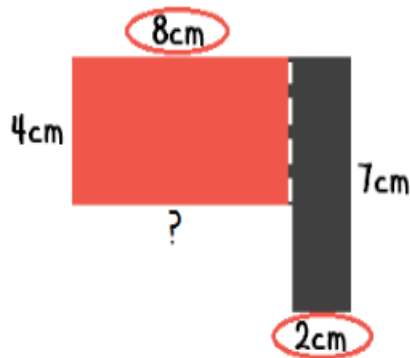
**LO: To calculate the area of compound shapes**

**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. |

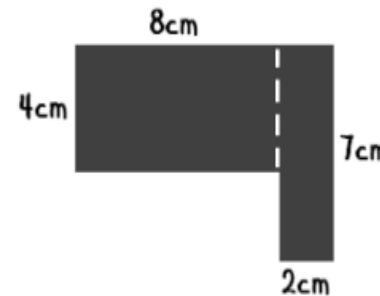
**Model**

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



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

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

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.**

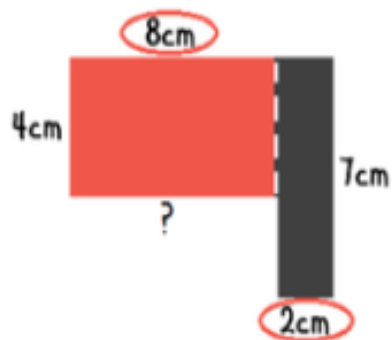
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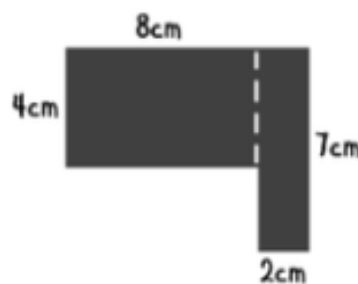
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Canonbury Home Learning

**Year 5 Maths**

**Summer week 4 Lesson 2 – 19.05.20**

Calculate the area.

87m<sup>2</sup>

62cm<sup>2</sup>

Calculate the area of these symmetrical shapes.

60cm<sup>2</sup>

163m<sup>2</sup>

Jack says this shape has an area of 34 cm<sup>2</sup>.

Show that Jack is correct.

Find three more possible compound shapes that have an area of 34 cm<sup>2</sup>.

Possible solution:

- Possible solution:
- A = 2 m × 5 m = 10 m<sup>2</sup>
  - B = 6 m × 3 m = 18 m<sup>2</sup>
  - C = 1 m × 2 m = 2 m<sup>2</sup>
  - D = 1 m × 8 m = 8 m<sup>2</sup>
  - E = 3 m × 2 m = 6 m<sup>2</sup>
  - Total area = 36 m<sup>2</sup>

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 m × 6 m and then subtract 2 m × 3 m?

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

Add more values and work out the area