

Area of Composite Shapes

Prior Knowledge:

Before attempting this sheet, students need to be able to calculate the area of squares, rectangles and triangles.

The area of a shape is the measure of the **two-dimensional** space it covers. The units of measurement for area are **square units**, for example cm^2 or m^2 .

There are a few area formulae you need to learn by heart:



Occasionally, you will need to find the area of a **composite shape**. This is a shape that is made up of two or more shapes.



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To help you answer the question, split the composite shape into its individual shapes (if it hasn't already been done). Labelling them with letters might also help.



Shape A:

To calculate the area of **shape A**, simply multiply 10cm by 4cm.

$$10 \times 4 = 40 \text{ cm}^2$$



Shape B:

It is slightly trickier to calculate the area of **shape B** because there is a missing measurement: its length.

You are told that the combined width of **shape A** and the length of **shape B** is 11cm. You also know that the width of **shape A** is 4cm. Therefore, you must **subtract** 4cm from 11cm to find the length of **shape B**.

Your turn

Give the units for your answers



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ВЕУОИВ МАТНЯ



