

# Mathematics

## Area of Compound Shapes

### What do I do?

Find the area of the compound shapes

### What skills do I need to improve?

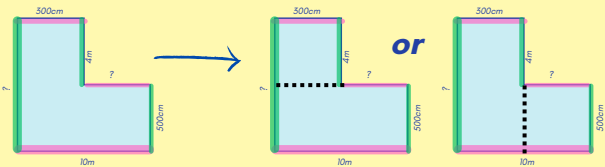
Doing lots of practice questions will help with becoming familiar with question types but what else can you do to improve in this area?

- You'll need to feel confident with finding the area of all 2D shapes including regular, irregular and compound shapes - some may have squares to help you.
- Make sure you're confident with converting units of measurement - mm, cm, m and km. You need to be able to do this speedily

### Top Tips!

**Step 1:** Make sure that all of your units are the same, if not, convert them!

**Step 2:** Find the length of any missing sides - see our sheet on 'finding the perimeter of compound shapes' for help



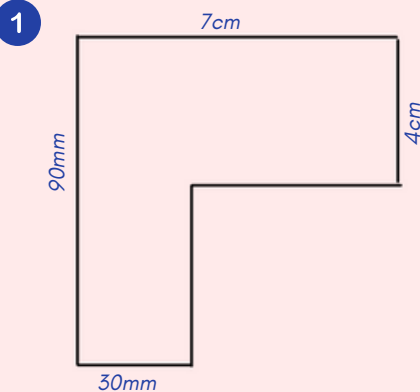
**Step 3:** Split your compound shape into rectangles (for these questions)

**Step 4:** Calculate the area of each rectangle by using length x width

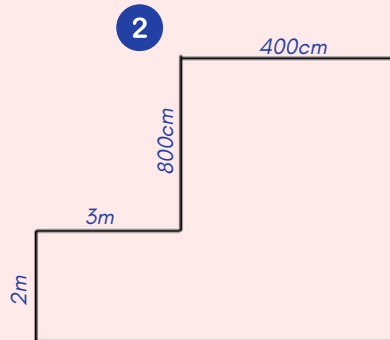
**Step 5:** Add the area of your pieces together

Find the area of the following compound shapes.

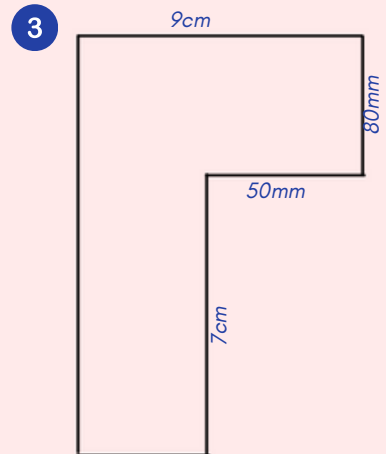
*These shapes are not drawn to scale.*



Area =



Area =



Area =

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## Area of Compound Shapes

### Answers

1 Area -  $43\text{cm}^2$  or  $420\text{mm}^2$

2 Area -  $46\text{m}^2$  or  $4600\text{cm}^2$

3 Area -  $100\text{cm}^2$  or  $1000\text{mm}^2$