Mathematics

Perimeter of Compound Shapes

What do I do?

Find the perimeter 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?
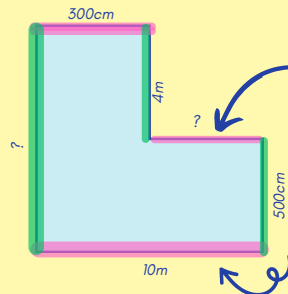
- You'll need to feel confident with finding the perimeter of all 2D shapes including regular, irregular and compound shapes
- Make sure you're confident with converting units of measurement – mm, cm, m and km. You need to be able to do this speedily

Top Tips!

Finding the perimeter of a shape means to find the **total measurement of all of the edges** of the shape.
Sounds easy? Be careful and always check the following...

- Fill in any missing measurements first
- Ensure that all of your sides are using the same unit of measurement – all cm or m and not a mixture of both. You may need to use your measurement conversion skills!
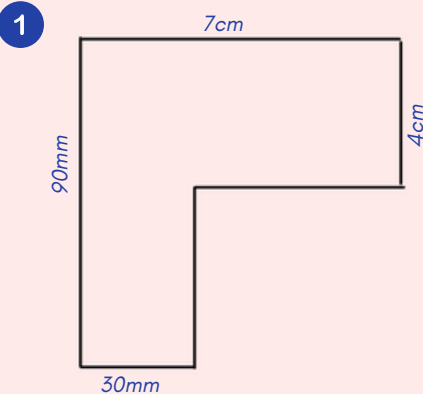

300cm / 4m / ? / ? / 500cm / 10m

When starting these questions, try highlighting all horizontal lines and vertical lines in different colours.
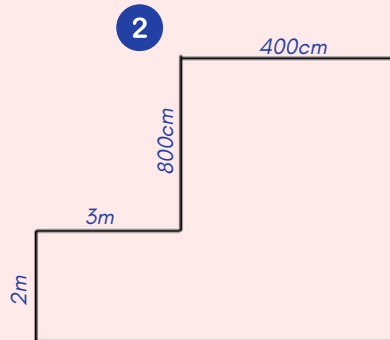*This will help you to calculate the value of missing sides.*

Watch out for measurements using different units – you'll need to convert these first!
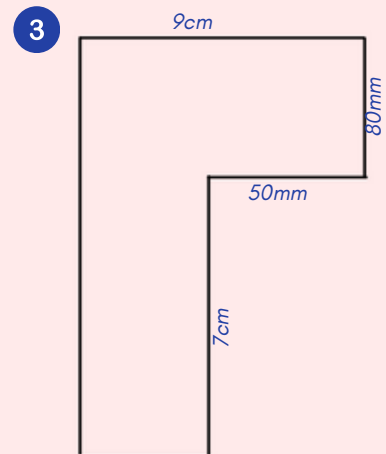

Find the perimeter of the following compound shapes.

These shapes are not drawn to scale.

1

7cm / 4cm / 90mm / 30mm

Perimeter =

2

400cm / 800cm / 3m / 2m

Perimeter =

3

9cm / 80mm / 50mm / 7cm

Perimeter =

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Answers

1 Perimeter = 32cm or 320mm

2 Perimeter = 34m or 3400cm

3 Perimeter = 48cm or 480mm