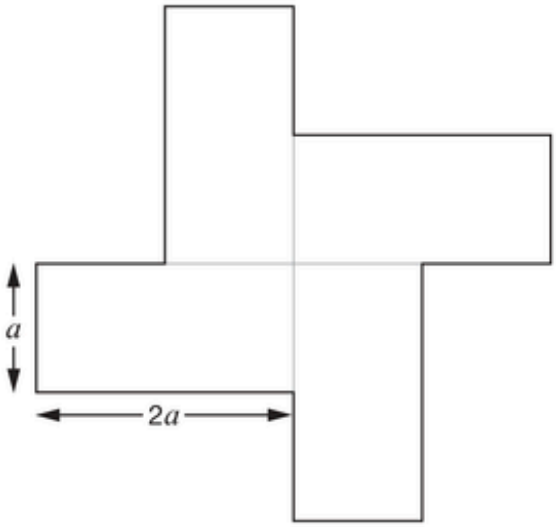
Perimeter, Area and Volume

From simple rectangles to compound shapes, calculating perimeter, area and volume confidently is essential across KS3 maths and beyond!

This shape is made of four congruent rectangles.

Each rectangle has side lengths $2a$ and a



Not drawn accurately

The **perimeter** of the shape is **80 cm**.

Work out the **area** of the shape.

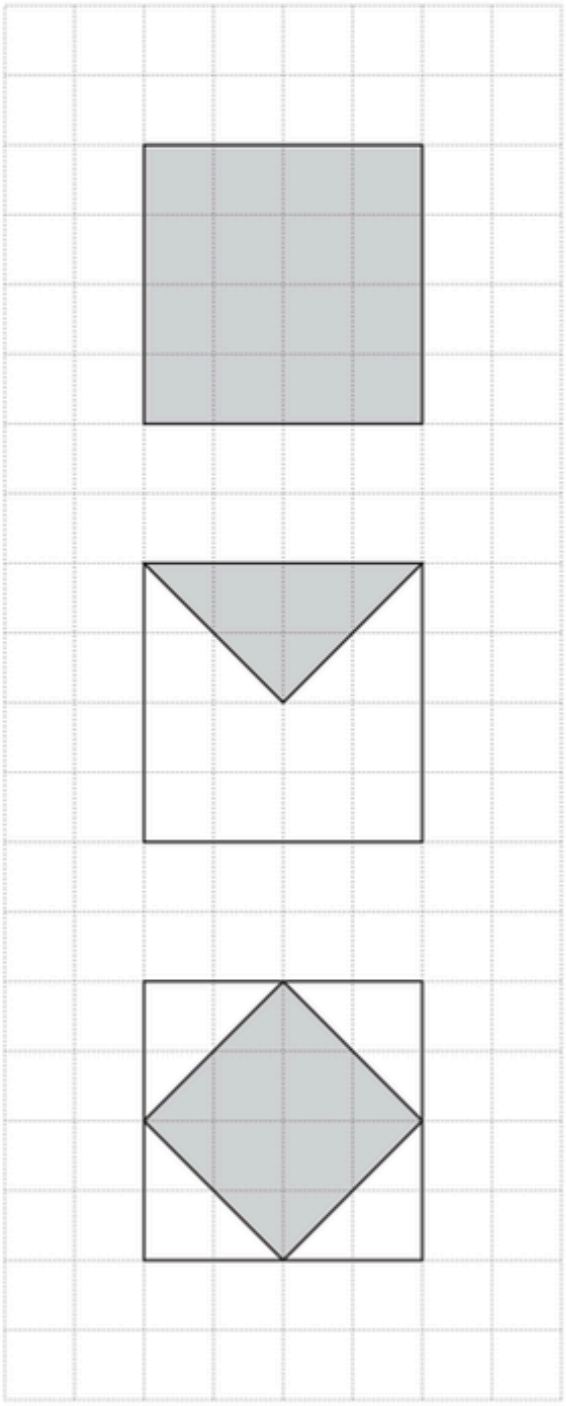
_____ cm^2

2 marks

KS3 Maths SATs, Tier 5-7, Paper 1 (2009) - Q26

Look at the diagrams on the centimetre square grid.

Work out the **area** that is **shaded** on each diagram.



..... cm^2

..... cm^2

..... cm^2

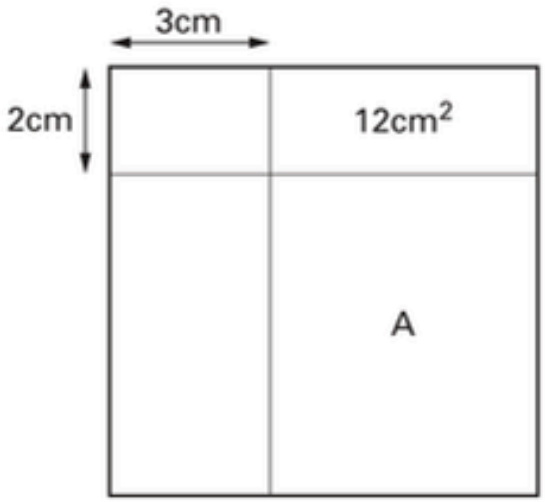
2 marks

Modern Tuition

The diagram shows a **square**.

Two straight lines cut the square into four rectangles.

The area of one of the rectangles is shown.



Not drawn accurately

Work out the area of the rectangle marked A.

..... cm^2

2 marks

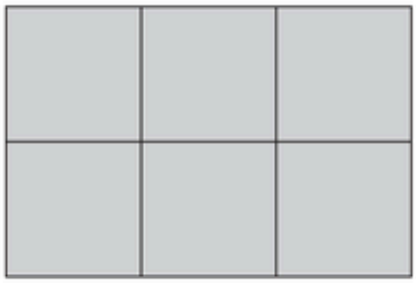
Modern Tuition

The diagram shows a square with a **perimeter** of **12cm**.



Not drawn accurately

Six of these squares fit together to make a rectangle.



Not drawn accurately

What is the **area** of the **rectangle**?

You **must** give the correct unit with your answer.

1 mark

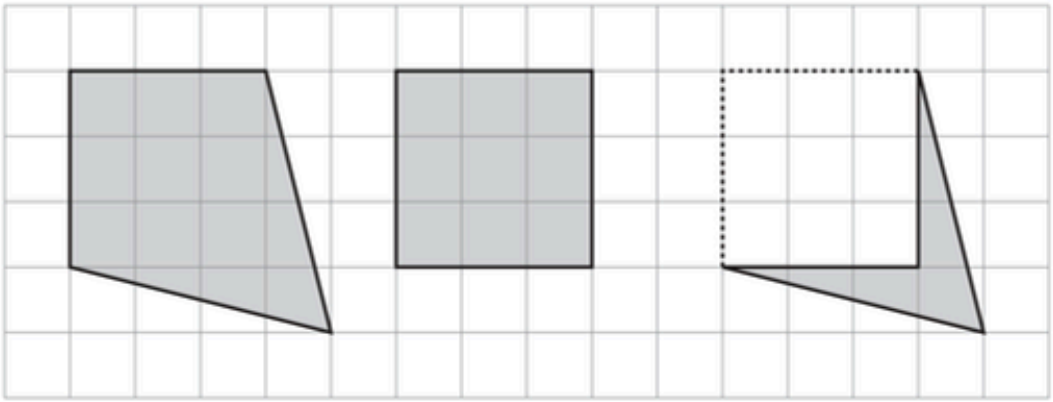
1 mark

Modern Tuition

. Look at the shapes drawn on the centimetre square grid.

For each one, work out the **area** that is **shaded**.

The first one is done for you.



Area = 12 cm^2 Area = _____ cm^2 Area = _____ cm^2

1 mark

. (a) Look at the equation.

$$n + 3 = 12$$

Use it to work out the value of $n - 3$

_____

1 mark

(b) Now look at this equation.

$$n + 3 = 7$$

Use it to work out the value of $n - 6$

_____

1 mark

Modern Tuition