

Area of Compound Shapes

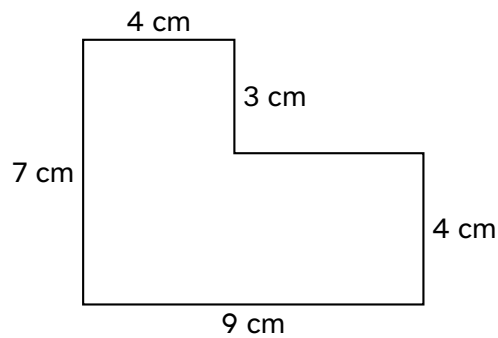
For AQA GCSE Mathematics (8300) • Foundation tier

Name _____

Total marks: **26**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method. Diagrams are not drawn accurately.

- 1** All the corners are right angles.



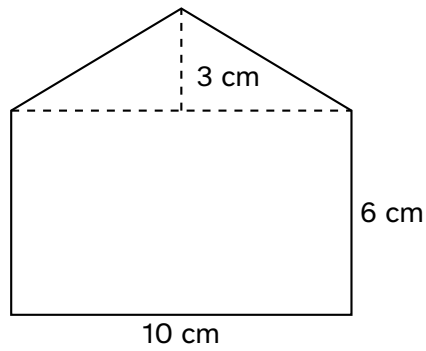
Not drawn accurately

Work out the area of the shape.

[3 marks]

Answer _____ cm²

- 2 The shape is made from a rectangle and a triangle.



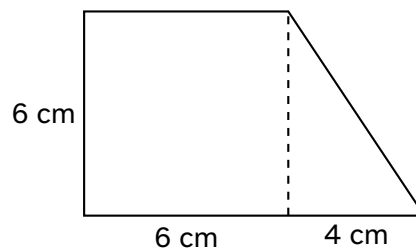
Not drawn accurately

Work out the area of the shape.

[3 marks]

Answer _____ cm^2

- 3 The shape is made from a square and a right-angled triangle.



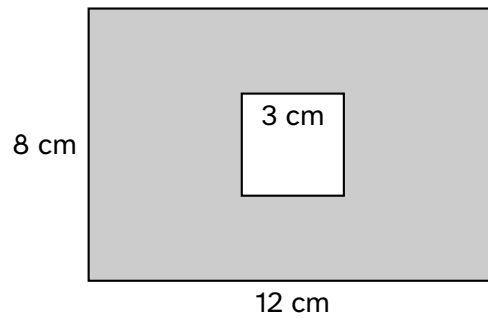
Not drawn accurately

Work out the area of the shape.

[2 marks]

Answer _____ cm^2

- 4 A square hole of side 3 cm is cut from a rectangle.



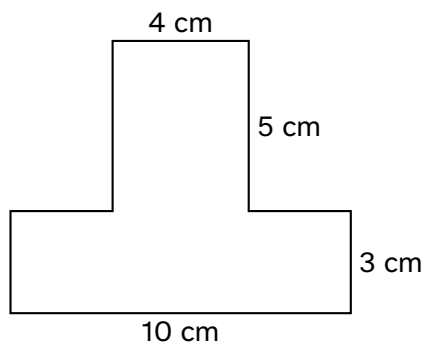
Not drawn accurately

Work out the shaded area.

[2 marks]

Answer _____ cm^2

- 5 All the corners are right angles.
The shape is symmetrical.



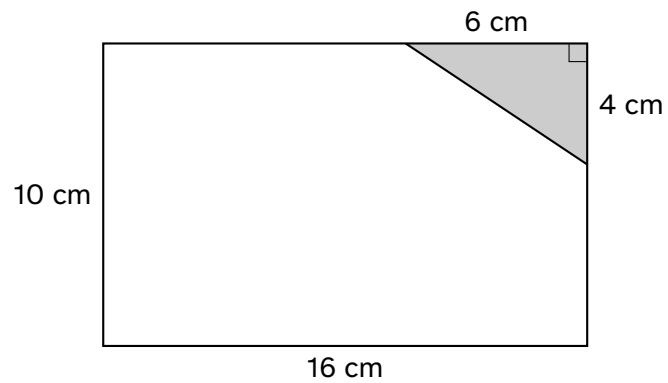
Not drawn accurately

Work out the area of the shape.

[3 marks]

Answer _____ cm^2

- 6 A rectangular piece of card measures 16 cm by 10 cm.
The shaded right-angled triangle is cut off one corner.



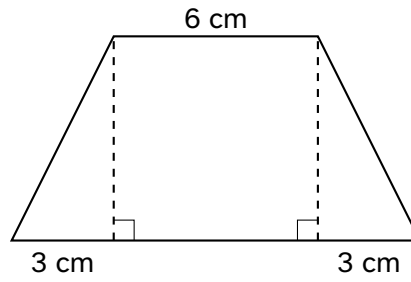
Not drawn accurately

What fraction of the card is cut off?
Give your answer in its simplest form.

[3 marks]

Answer _____

- 7 A logo is made from a square of side 6 cm and two identical right-angled triangles.



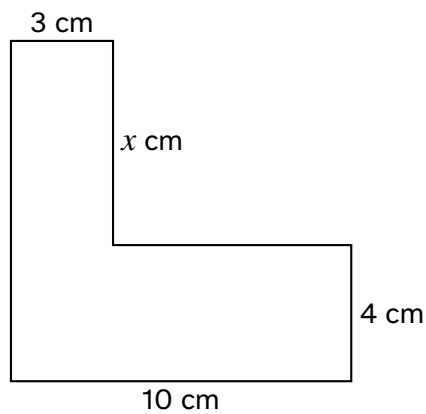
Not drawn accurately

Work out the area of the logo.

[3 marks]

Answer _____ cm^2

- 8 All the corners are right angles.
The area of the shape is 58 cm^2



Not drawn accurately

Work out the value of x .

[3 marks]

Answer $x =$ _____

- 9 Dev is paving a rectangular patio that is 6 m by 4.5 m.
A square flower bed of side 1.5 m in one corner will not be paved.
Paving slabs are sold in packs.
One pack covers 2.5 m^2 and costs £17.60

Work out the cost of the packs of slabs Dev needs to buy.

[4 marks]

Answer £ _____