1 Here is a right-angled triangle.
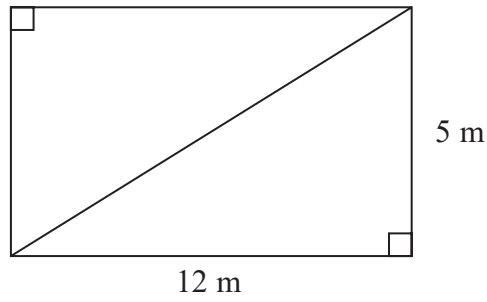

Work out the value of x.

$x = $ ....

(Total for Question 1 is 2 marks)

2 This rectangular frame is made from 5 straight pieces of metal.

5 m

12 m

The weight of the metal is 1.5 kg per metre.

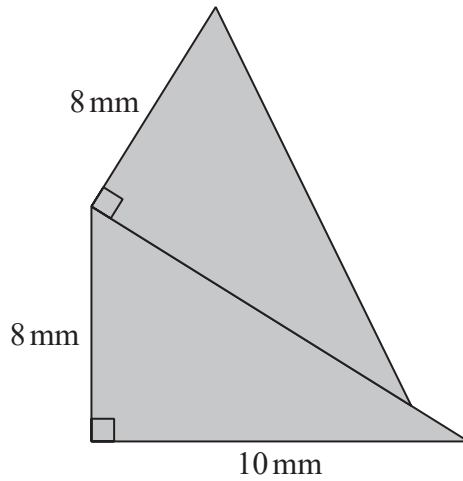Work out the total weight of the metal in the frame.

.... kg

(Total for Question 2 is 5 marks)

3 Here is a right-angled triangle.

8 mm

10 mm
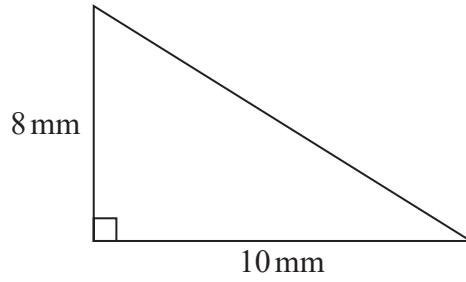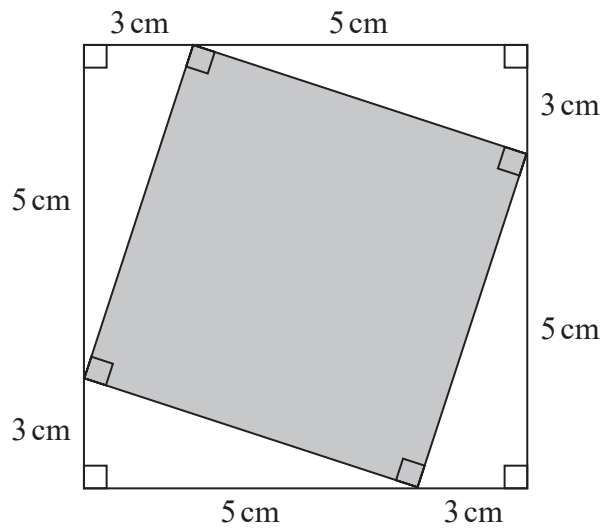
The shaded shape below is made from two of these triangles.

8 mm

8 mm

10 mm

Work out the perimeter of the shaded shape.
Give your answer correct to 3 significant figures.

.... mm

(Total for Question 3 is 4 marks)

4   This diagram shows two squares.

3 cm   5 cm

3 cm

5 cm

5 cm

3 cm

5 cm

5 cm   3 cm

Work out the area of the square shown shaded in the diagram.

....

(Total for Question 4 is 4 marks)