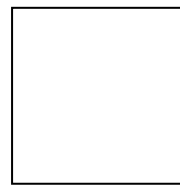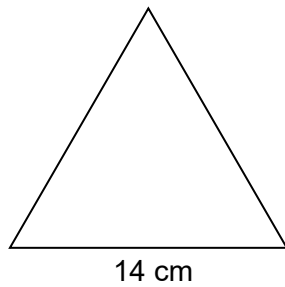# Topic Test 1 (20 minutes)
Perimeter and Area - Foundation

1 The diagram shows an equilateral triangle and a square.

Each side of the triangle is 14 cm

Not drawn
accurately

14 cm

The perimeter of the triangle is equal to the perimeter of the square.

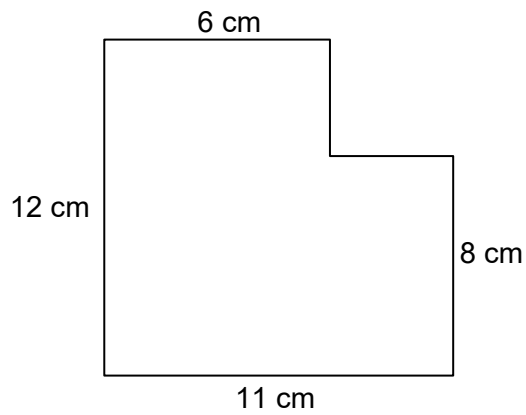Work out the length of a side of the square.

[3 marks]

Answer _____ cm

2 This shape is made from rectangles.

6 cm

12 cm

8 cm

11 cm

Not drawn accurately

Work out the area of the shape.

[4 marks]

Answer _____ cm²

3   The diagram shows a rectangular mirror inside a rectangular frame.

Not drawn accurately

20 cm

24cm

h

32 cm
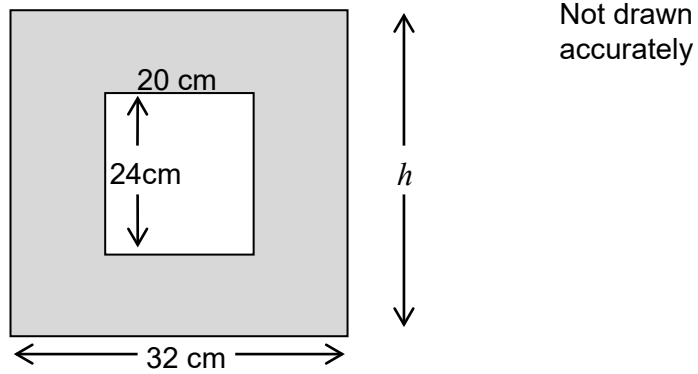
The frame is the same width all the way around.

3 (a)   Work out h, the overall height of the frame.

[3 marks]

Answer _____ cm

3 (b)   Work out the shaded area.

[3 marks]

Answer _____ cm^2

4

5 cm

4 cm

11 cm

Not drawn accurately

x cm

3.2 cm

The area of the trapezium is four times the area of the parallelogram.

Work out the value of x.

[3 marks]

Answer _____

5 (a) Circle the number of vertices of a triangular prism.

[1 mark]

4   5   6   9

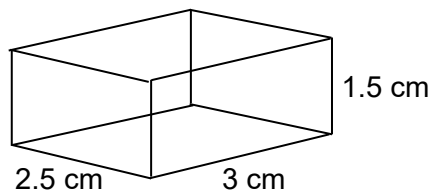**5 (b)** Circle the number of edges of a square based pyramid

[1 mark]

4   5   8   10

6   A framework in the form of a cuboid is made from wire.

1.5 cm

2.5 cm   3 cm

Work out the total length of wire used.

[2 marks]

Answer _____ cm