1

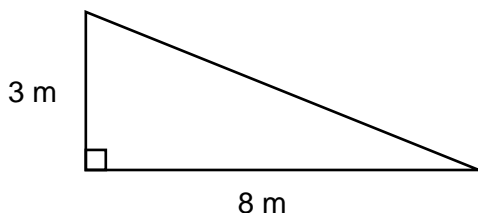6 cm

10 cm

Not drawn accurately

Work out the area of the rectangle giving the units of your answer.   **[2 marks]**

Answer _____

2

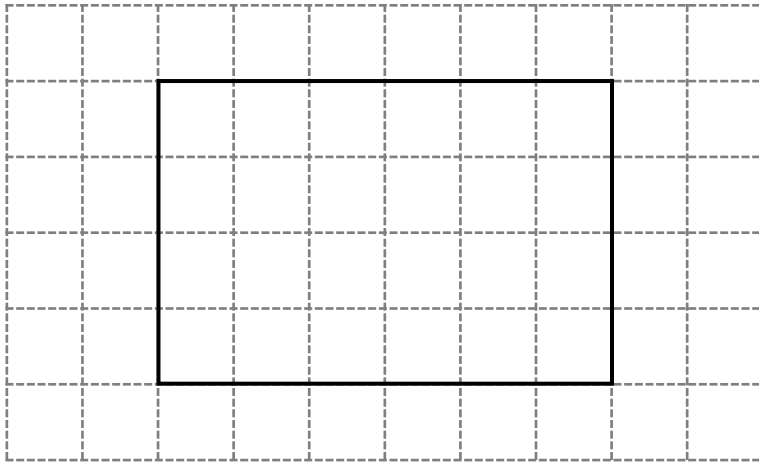3 m

8 m

Not drawn accurately

Work out the area of the triangle giving the units of your answer.   **[3 marks]**

Answer _____

5

3 (a)   A rectangle is drawn on a centimetre grid.

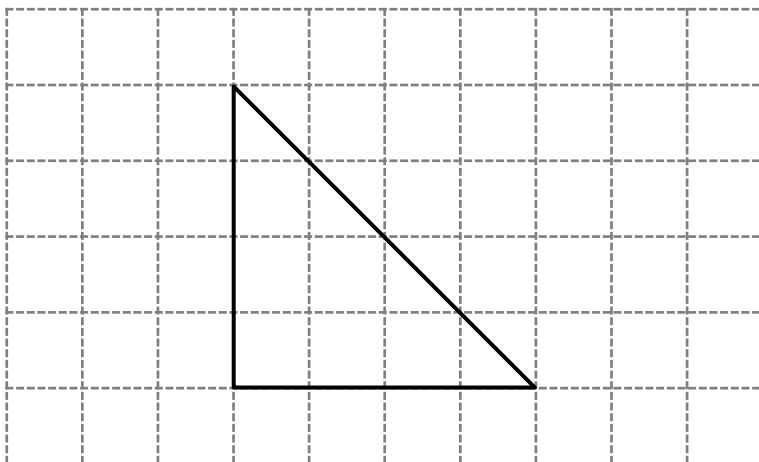Work out the area of the rectangle.   **[1 mark]**

Answer _____ cm^2

3 (b)   A triangle is drawn on a centimetre grid.
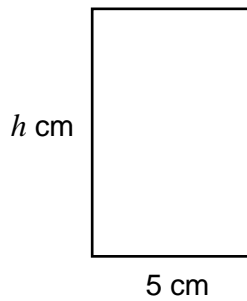
Work out the area of the triangle.   **[1 mark]**

Answer _____ cm^2
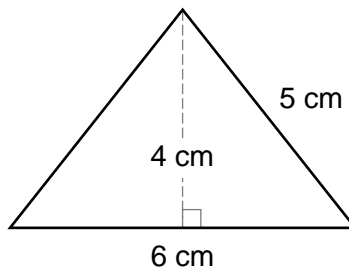
4   The rectangle has a base of 5 cm and a height of h cm.

Not drawn
accurately

5 cm

The area of the rectangle is 40 cm^2
Work out the value of h.   **[1 mark]**

$h =$ _____ cm

5

5 cm

4 cm

6 cm

Not drawn
accurately

Work out the area of the triangle.   **[2 marks]**
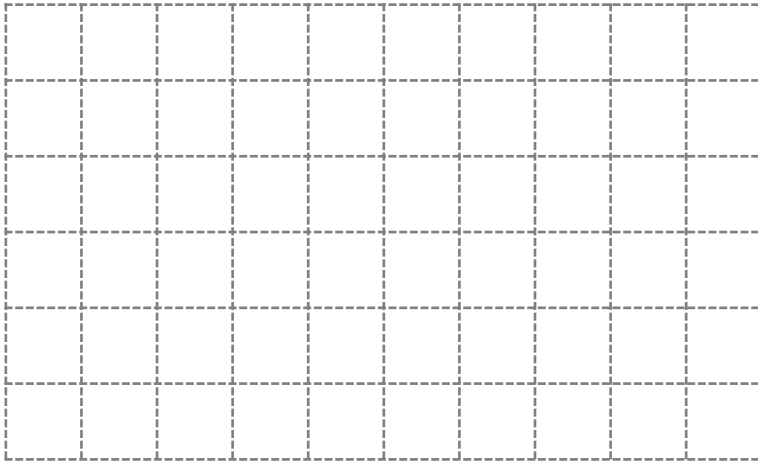
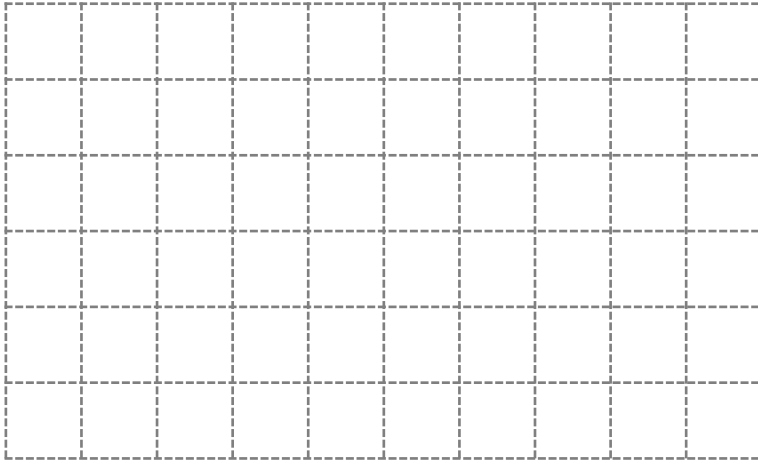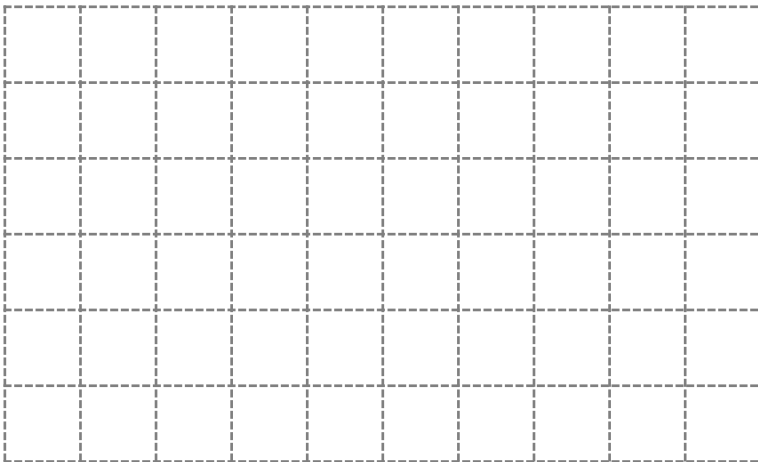Answer _____ cm^2

5

Turn over ▶

6 (a) On the centimetre grid below, draw a rectangle with an area of 18 cm^2 **[1 mark]**

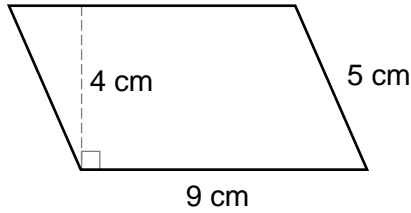**6 (b)** On the centimetre grid below, draw a triangle with an area of 12 cm^2 **[1 mark]**

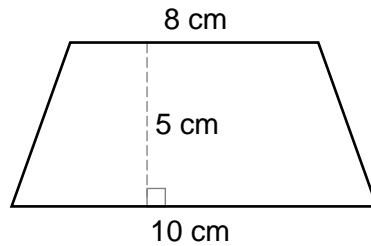**6 (c)** On the centimetre grid below, draw a parallelogram with an area of 15 cm^2

[1 mark]

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Solutions

7

4 cm

5 cm

Not drawn
accurately

9 cm

Work out the area of the parallelogram.   **[2 marks]**

Answer _____ cm^2

8

8 cm

5 cm

Not drawn
accurately

10 cm

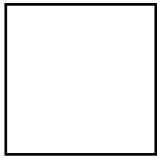Work out the area of the trapezium   **[2 marks]**

Answer _____ cm^2

7

Turn over ►

9   Here is a square, triangle and parallelogram.   Not drawn accurately

Square	**Triangle**	**Parallelogram**

6 cm
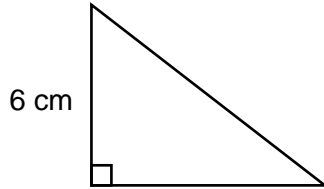
5 cm   8 cm   3 cm

10 cm

Put the shapes in order of area, starting with the smallest.   **[3 marks]**
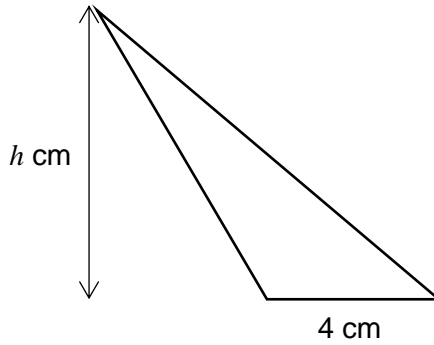
Smallest area _____

_____

Largest area _____

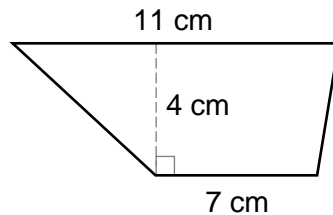**10**   A triangle has a base of 4 cm and a perpendicular height of h cm.

h cm

Not drawn
accurately

4 cm

The area of the triangle is 20 cm²
Work out the value of h.   **[2 marks]**

$h =$ _____ cm

11

11 cm

4 cm

Not drawn
accurately

7 cm

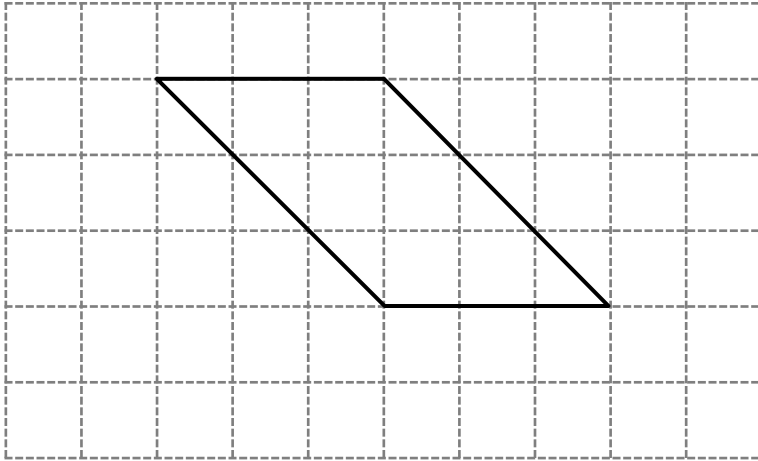Work out the area of the trapezium   **[2 marks]**

Answer _____ cm²

12 (a)   A parallelogram is drawn on a centimetre grid.

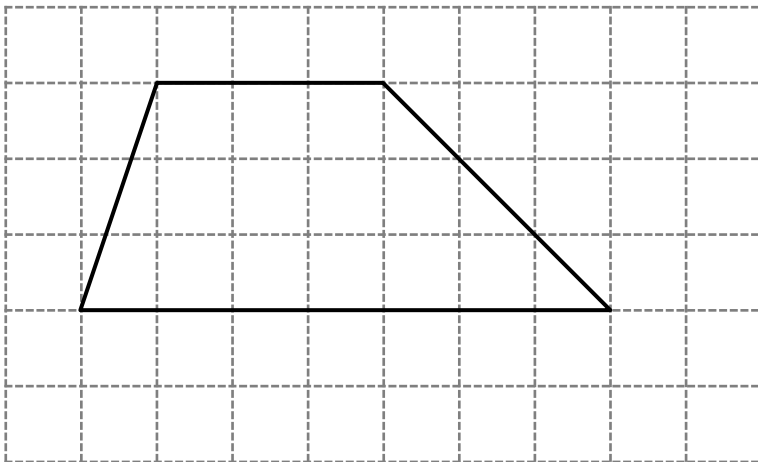Work out the area of the parallelogram.   **[1 mark]**

Answer _____ cm^2

12 (b)   A trapezium is drawn on a centimetre grid.
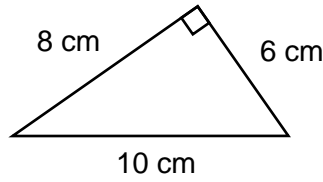

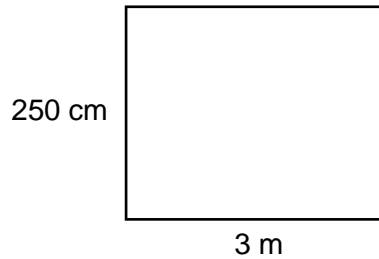Work out the area of the trapezium   **[2 marks]**

Answer _____ cm^2

13

8 cm   6 cm

10 cm

Not drawn
accurately

Work out the area of the triangle.   **[2 marks]**

Answer _____ cm^2

14

250 cm

3 m

Not drawn
accurately

Work out the area of the rectangle.
Give your answer in square metres.   **[2 marks]**

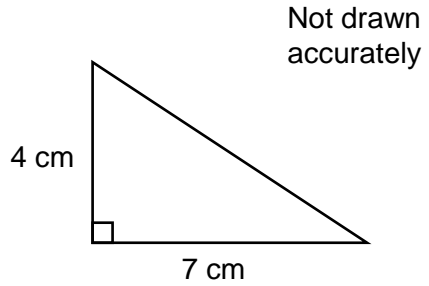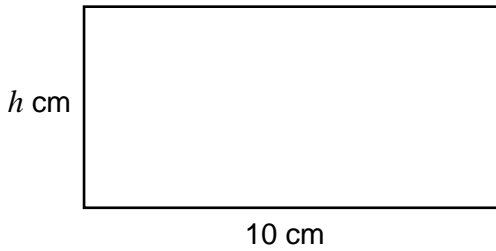Answer _____ m^2

7

Turn over ▶

15 Here is a rectangle and a triangle.

Not drawn
accurately

h cm

10 cm

4 cm

7 cm

The area of the rectangle is 3 times the area of the triangle.
Work out h, the height of the rectangle. **[4 marks]**

$h =$ _____ cm

16 A square has side length 3.2 cm
Work out the area of the square, giving your answer in square centimetres.
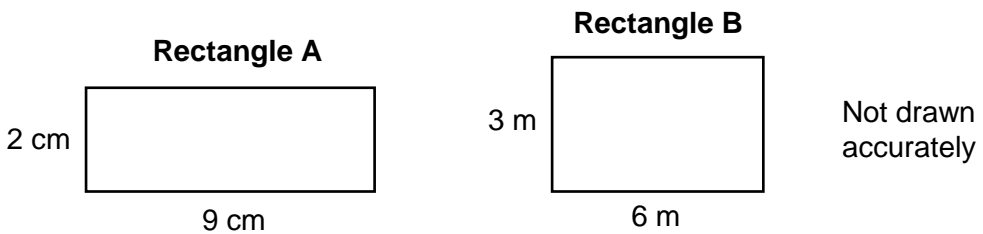**[3 marks]**

Answer _____ cm^2

17 The line *AB* is one side of a trapezium *ABCD* which has an area of 21cm²
The line *AB* has been drawn on the centimetre grid below.

Complete a possible trapezium *ABCD*. **[2 marks]**

18 Here are two rectangles.

Rectangle A

2 cm

9 cm

Rectangle B

3 m

6 m

Not drawn
accurately

Tick the correct statement **[1 mark]**

☐ Rectangle A has a greater area than Rectangle B.

☐ Rectangle B has a greater area than Rectangle A.
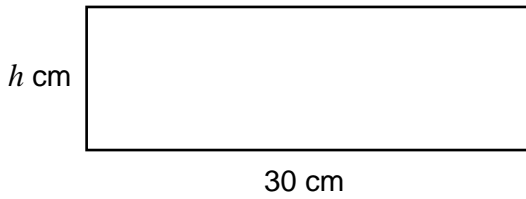
☐ Rectangle A has the same area as Rectangle B.

10

Turn over ▶

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19   A rectangle has a base of 30 cm and a height of h cm.
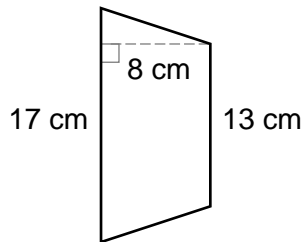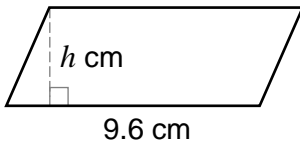
h cm

30 cm

Not drawn
accurately

The area of the rectangle is 15 cm²
Work out the value of h.   **[1 mark]**

$h =$ _____ cm

20   Here is a parallelogram and a trapezium

Not drawn
accurately

8 cm

17 cm   13 cm

h cm

9.6 cm

The area of the parallelogram one fifth of the area of the trapezium
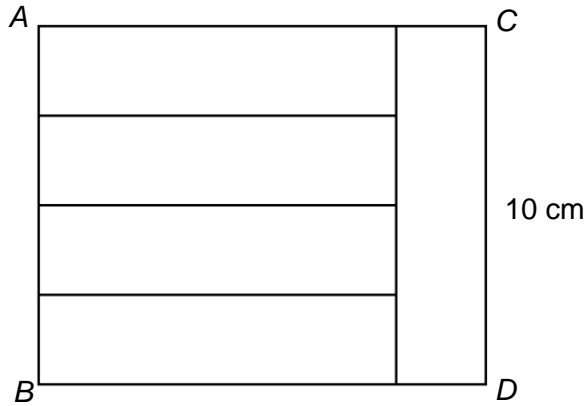Work out h, the perpendicular height of the parallelogram.   **[4 marks]**

Answer _____ cm

21   Five congruent rectangles are joined to make rectangle *ABCD*.

Not drawn accurately

10 cm

Work out the area of rectangle *ABCD*.   **[4 marks]**
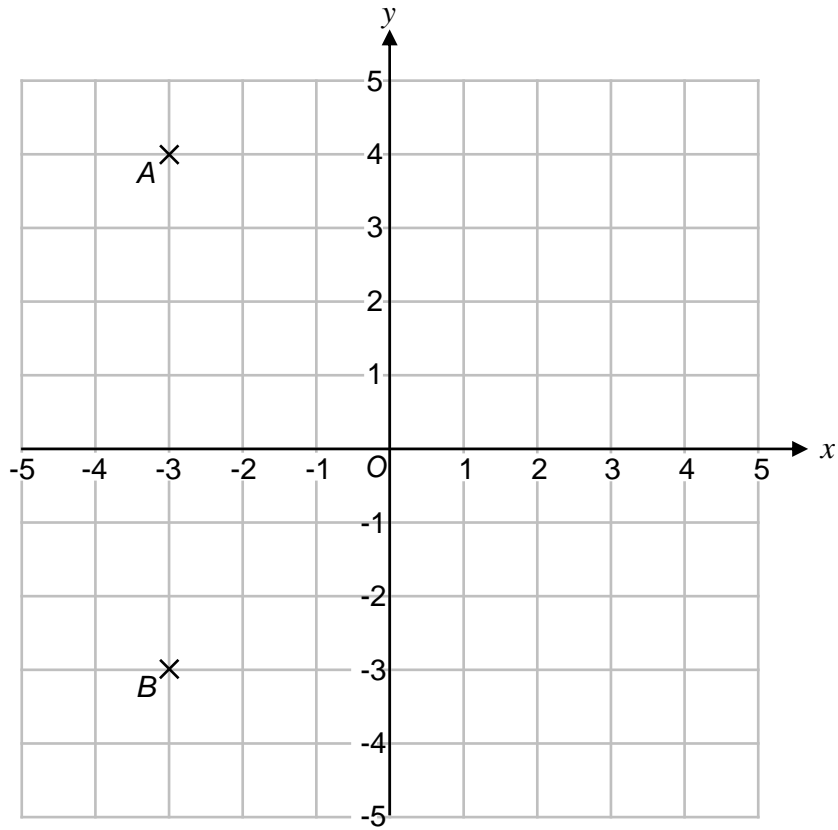
Answer _____ cm^2

9

Turn over ▶

22   Points *A* and *B* are shown on the centimetre grid below.
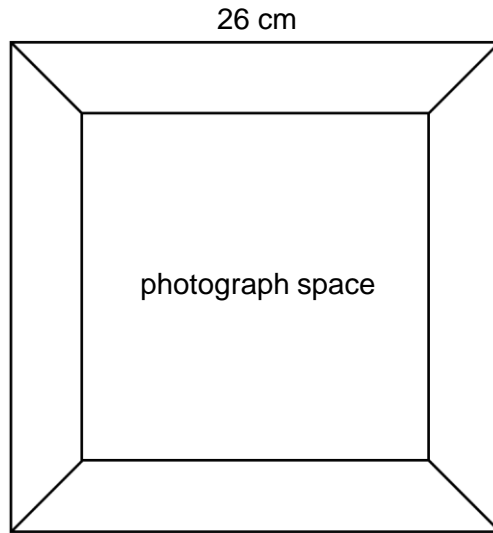

C = (1, 2)

Work out the area of triangle *ABC*.   **[3 marks]**

Answer _____ cm²

23   A picture frame is made from four congruent trapeziums.

26 cm

photograph space

Not drawn
accurately

The width of the picture frame is 26 cm.
A square photograph will be placed in the photograph space.
The area of the photograph space is 400 cm^2

Work out the area of one of the trapeziums that forms the picture frame. **[4 marks]**

Answer _____ cm^2

7

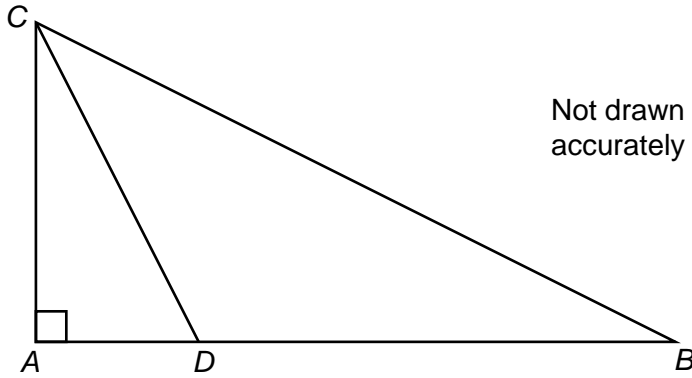**Turn over ▶**

24   *ABC* is a triangle.

Not drawn accurately

ABD is a straight line.

AB = 15 cm
AD : *DB* = 1 : 4
AD : *AC* = 1 : 3

Work out the area of triangle *BCD.*   **[4 marks]**

Answer _____ cm²

4