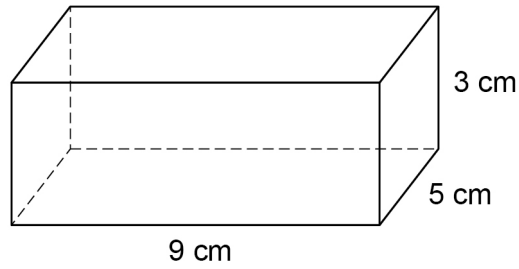**1**   Here is a cuboid.

The two **largest** faces are blue.
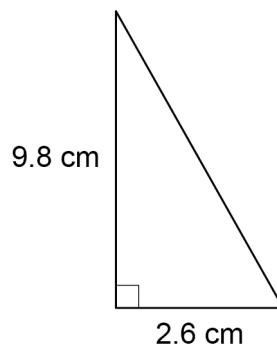
The other four faces are green.

Is the total blue area greater than the total green area?

You **must** show your working.

[3 marks]

_____

_____

_____

_____

_____

_____

_____

2 (a)   Work out the area of this triangle.

9.8 cm

2.6 cm

Not drawn accurately

[2 marks]

_____

_____

_____

Answer _____ cm²

2 (b)   A circle has a radius of 11.5 cm

11.5 cm
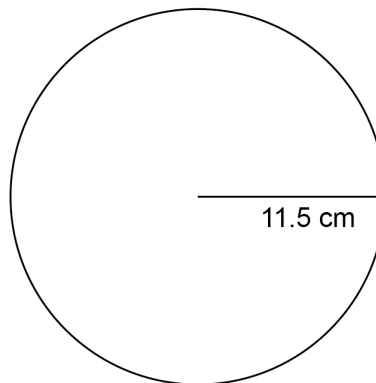
Not drawn accurately

Work out the area of the circle.

[2 marks]

_____

_____

_____

Answer _____ cm²

3   Here are two shapes, P and Q.

P

$\frac{3}{4}$ of a circle, radius 20 cm

Q

$\frac{1}{3}$ of a circle, radius 15 cm
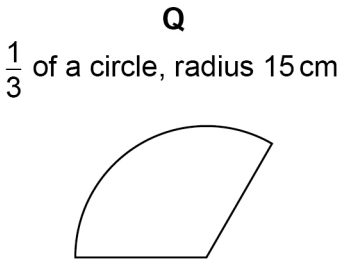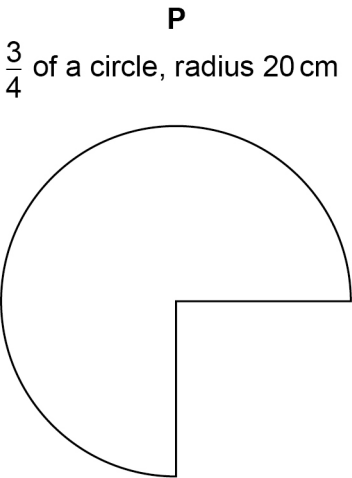
Not drawn
accurately

How many times bigger is the area of P than the area of Q?

You **must** show your working.

[4 marks]

Answer _____

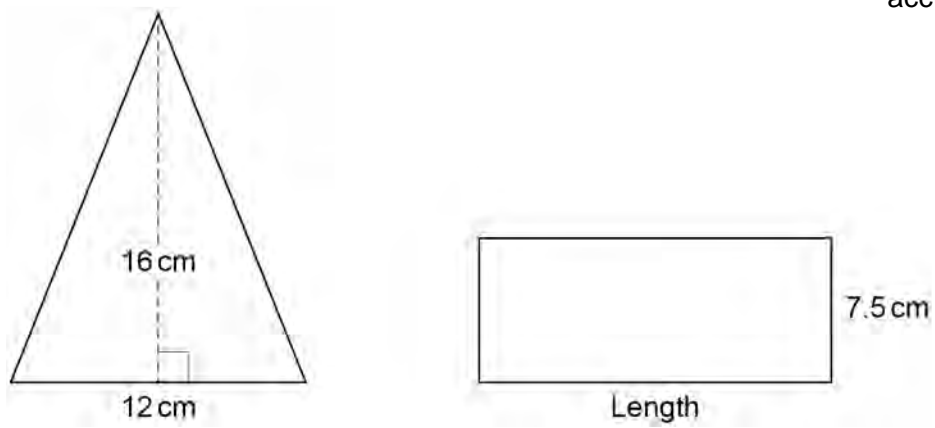**4**   The rectangle and the triangle have the same area.

Not drawn
accurately
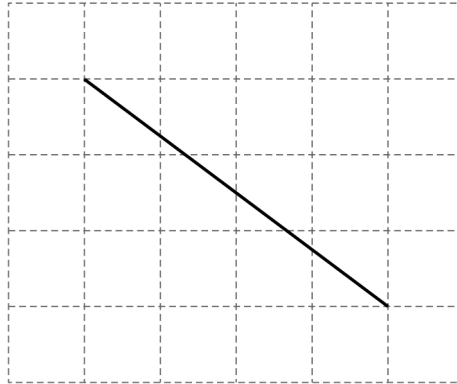

16 cm

12 cm

7.5 cm

Length

Work out the length of the rectangle.

[3 marks]

Answer _____ cm

5 (a) A diagonal of a rectangle is drawn on a centimetre grid.

The sides of the rectangle are on the grid lines.
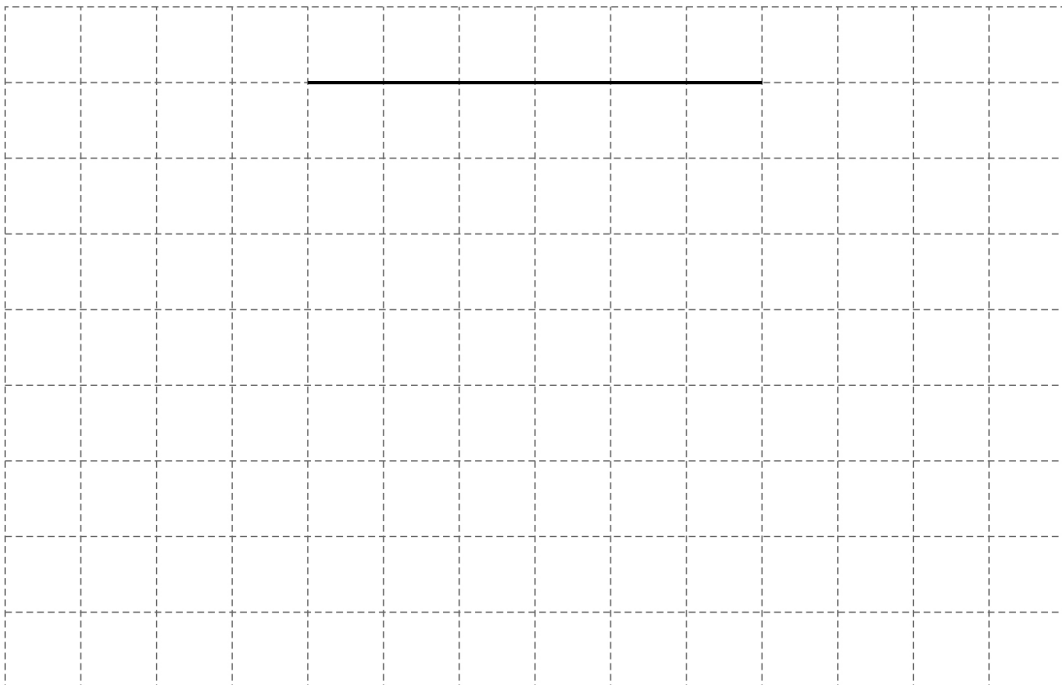
Work out the area of the rectangle.

[2 marks]

Answer _____ cm^2

5 (b) One side of a parallelogram is drawn on this centimetre grid.

The parallelogram does **not** have any right angles.
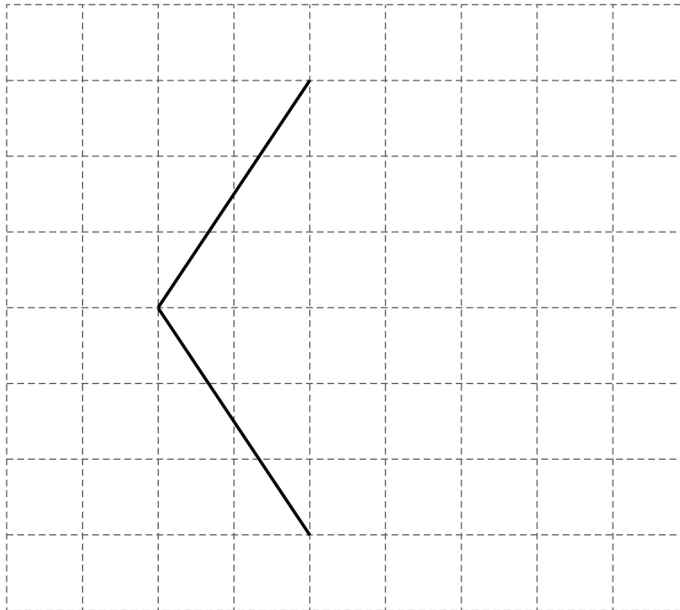
Complete the parallelogram so that it has area 24 cm^2
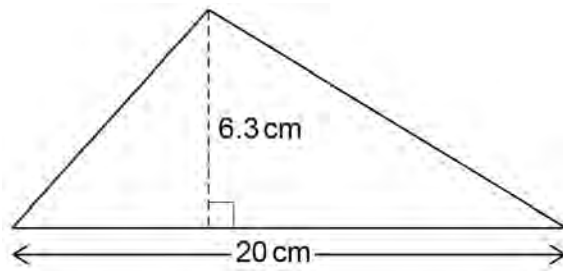
[2 marks]

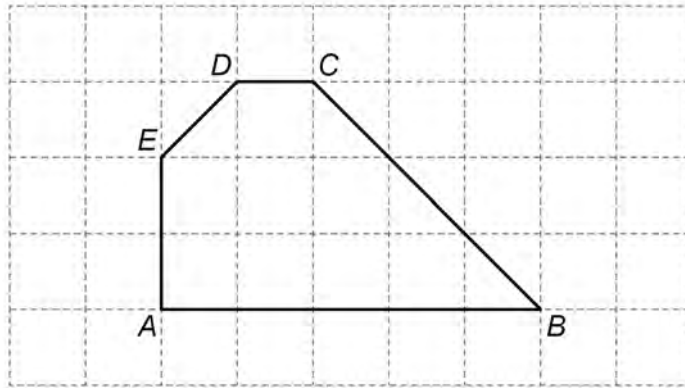**5 (c)** Two sides of a rhombus are drawn on this grid.

Complete the rhombus.

[1 mark]

6

Not drawn
accurately

6.3 cm

←————— 20 cm —————→

Work out the area of this triangle.

[2 marks]

Answer _____ cm^2

7   Shape *ABCDE* is drawn on a centimetre grid.

7 (a)   On this centimetre grid,

draw a **rectangle** with the same area as shape *ABCDE*.

[2 marks]