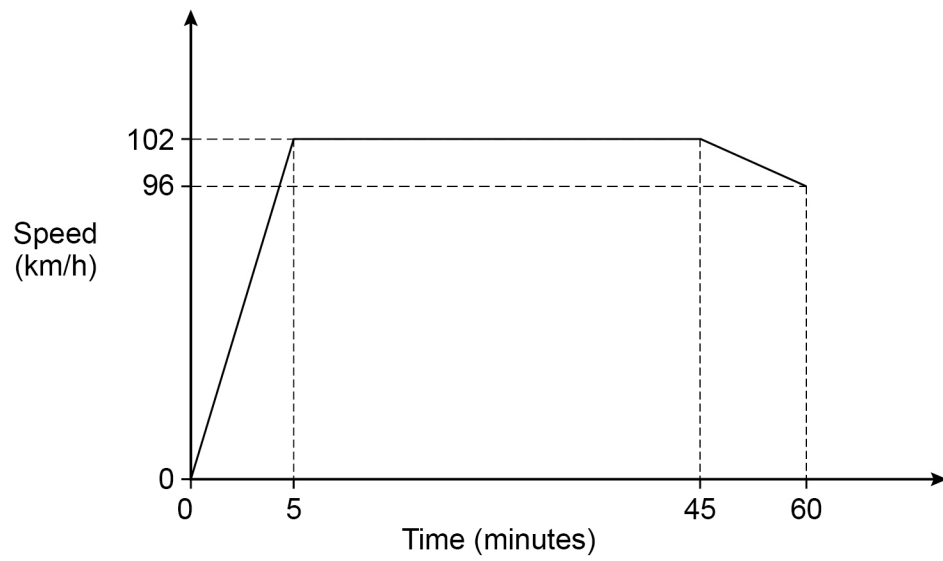**1**   Here is a sketch of a speed-time graph for the first part of a journey.

The total distance for the journey is 130 kilometres.
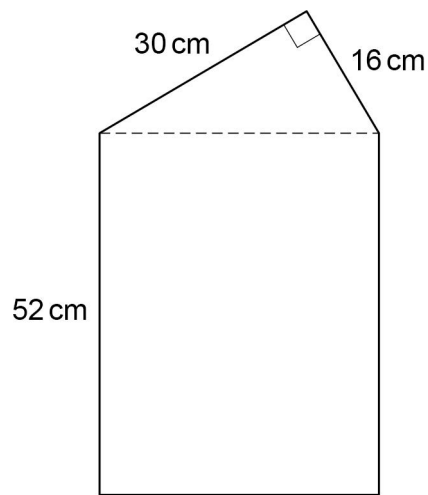
How far is left to travel?

[4 marks]

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

            Answer _____ km

2   A shape is made by joining a right-angled triangle to a rectangle.
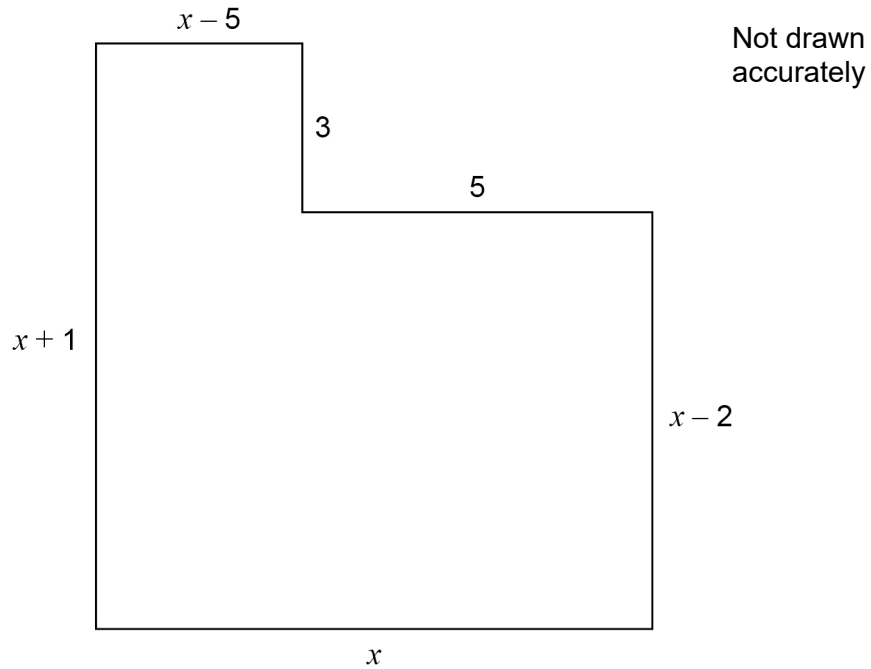
30 cm

16 cm

Not drawn
accurately

52 cm

Work out the area of the shape.

[5 marks]

Answer _____ cm²

3   Here is the plan of the floor of an L-shaped room.

All lengths are in metres.

$x - 5$

Not drawn
accurately

3

5

$x + 1$

$x - 2$

x

3 (a)   The area of the floor is $75\,\text{m}^2$

Show that $x^2 + x - 90 = 0$

[3 marks]

3 (b)   By factorising $x^2 + x - 90$ work out the value of x.

You **must** show your working

[2 marks]

_____

_____

_____

$x =$ _____

4   *ABCDE* is a pentagon.

Not drawn
accurately
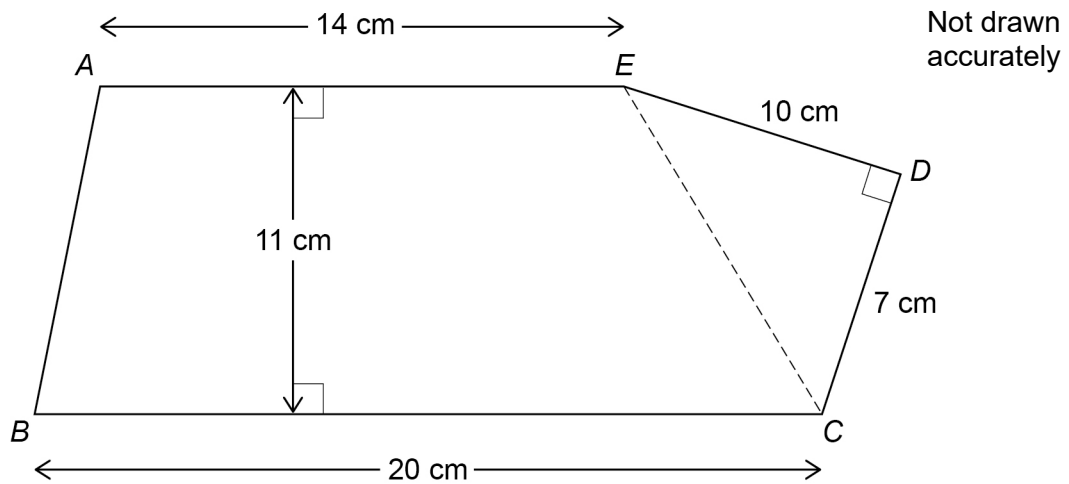
Work out the area of the pentagon.

[3 marks]

Answer _____ cm²