8   A book costs £3 and a pen costs £2

Write a formula for the total cost, C, in £, for x books and y pens.

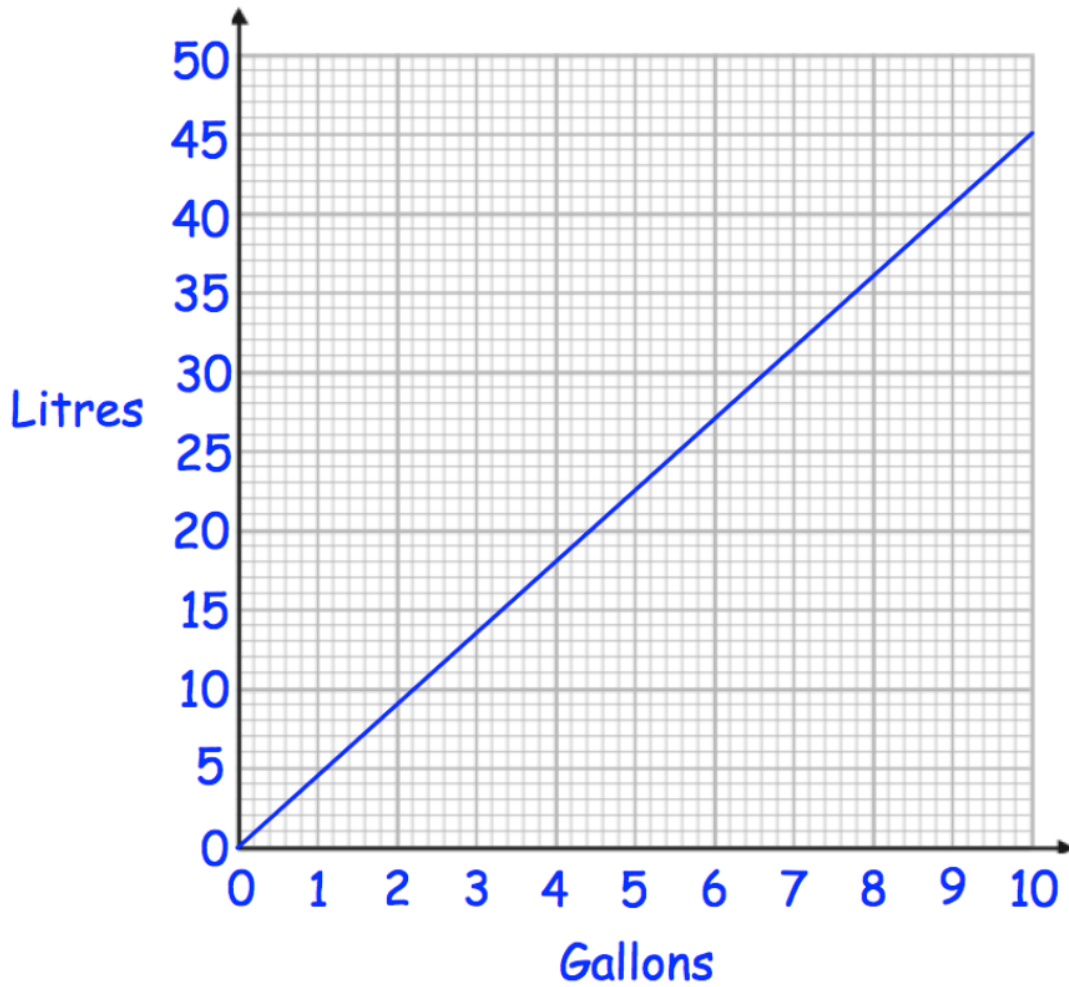Answer $C =$_____ [3]

6.   The equation

$$(x + 1)(x + 3) = 84$$

has a solution between 7 and 8.

Use trial and improvement to find this solution.
Give your answer correct to 1 decimal place.
You must show all your working.

5.

(a) Use the graph to convert 6 gallons to litres.

.........................litres

(1)

(b) Use the graph to convert 10 litres to gallons.

.........................gallons

(1)

Alan's car drives 52 miles per gallon.

(c) Work out how far he can drive with 45 litres of fuel.

.........................miles

(1)