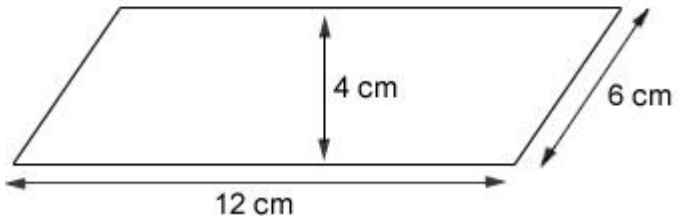
Q1.

Calculate the area of this parallelogram.

not drawn accurately



cm²

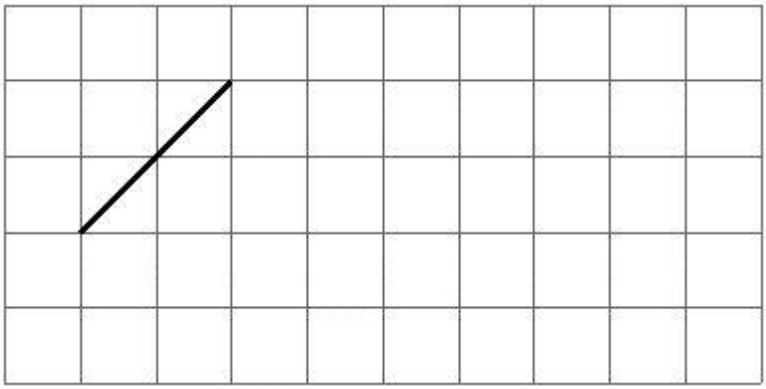
1 mark

Q2.

This is a centimetre grid.

Draw **3 more lines** to make a **parallelogram** with an **area** of **10 cm²**.

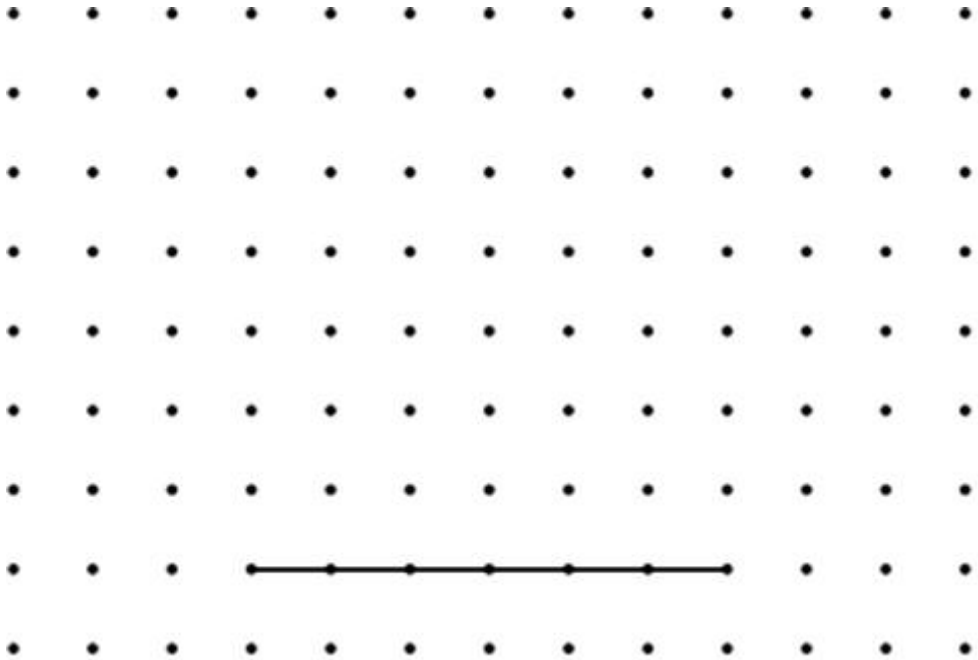
Use a ruler.



1 mark

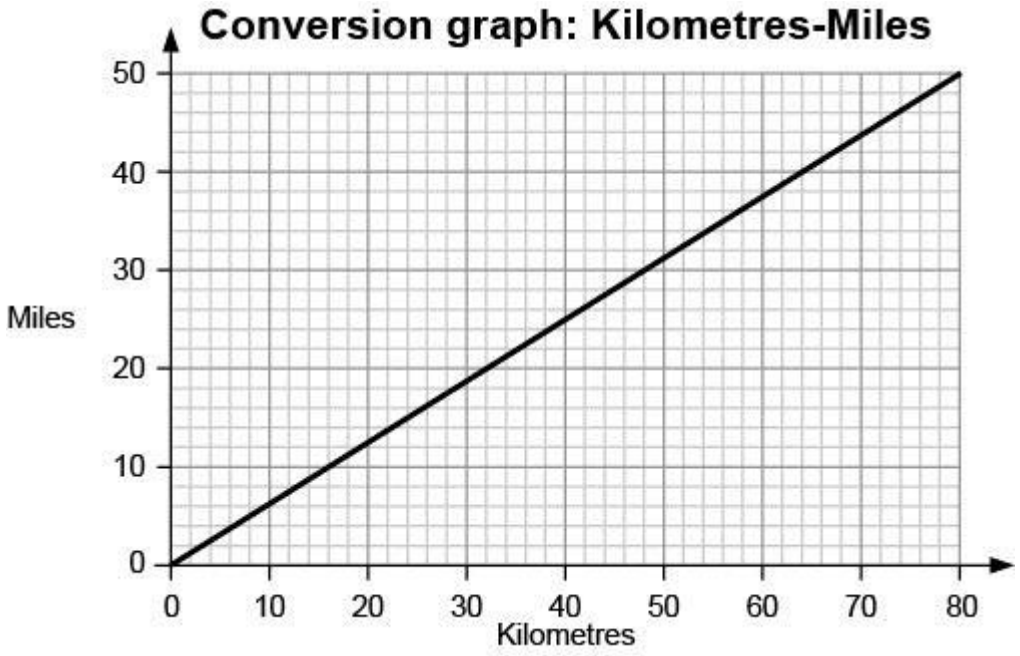
Q3.

Draw three more lines to complete the parallelogram with an **area** of 24 cm^2



1 mark

Q4.



Use the graph to work out how many miles are equal to 20 km.

miles

1 mark

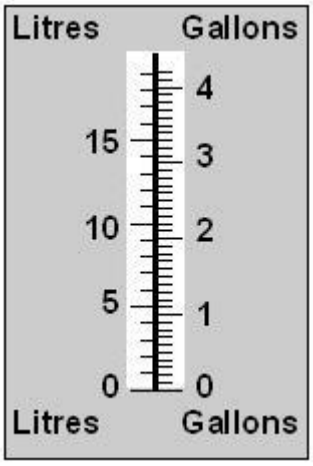
Use the graph to work out how many kilometres are equal to 40 miles.

km

1 mark

Q5.

At a petrol station there is a scale for converting litres and gallons.



Approximately how many **litres** are there in **3 gallons**?

Give your answer to the **nearest litre**.

litres

1 mark

Approximately how many **gallons** are there in **7 litres**?

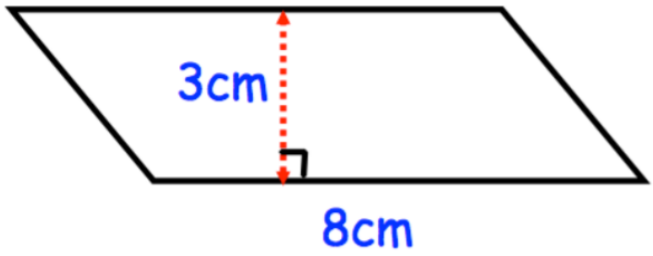
Give your answer to **1 decimal place.**

gallons

1 mark

6.

Shown below is a parallelogram

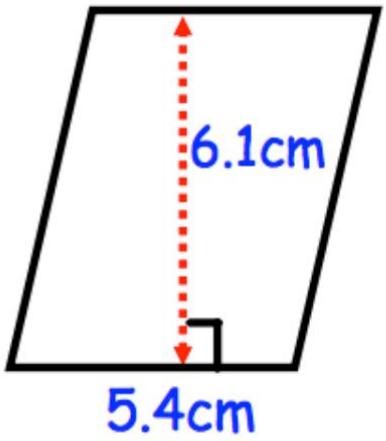


Work out the area of the parallelogram.
State the units of your answer.

.....

(3)

7.



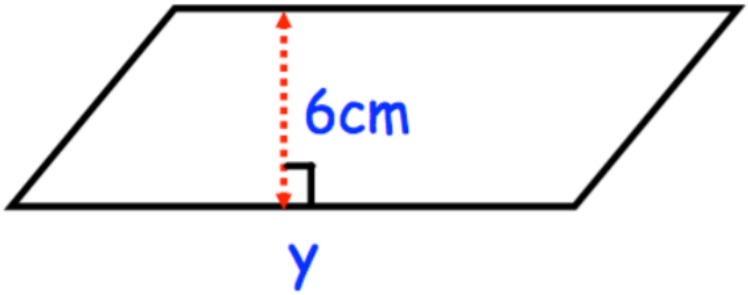
Work out the area of the parallelogram.

_____ cm^2

(2 marks)

8.

This diagram shows a parallelogram.



The area of the parallelogram is 54cm².

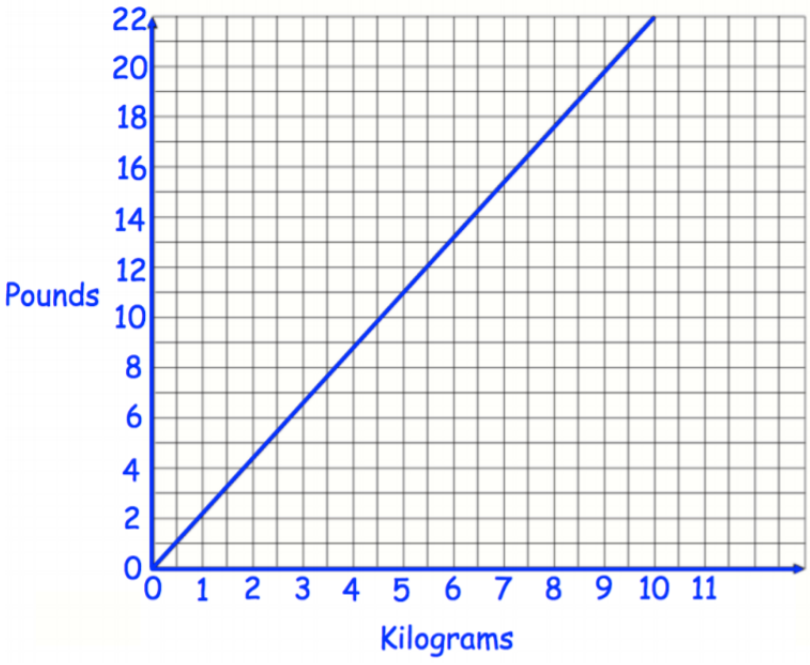
Find the length of the base, y.

.....cm

(2)

9.

. Shown below is a conversion to change between kilograms and pounds.



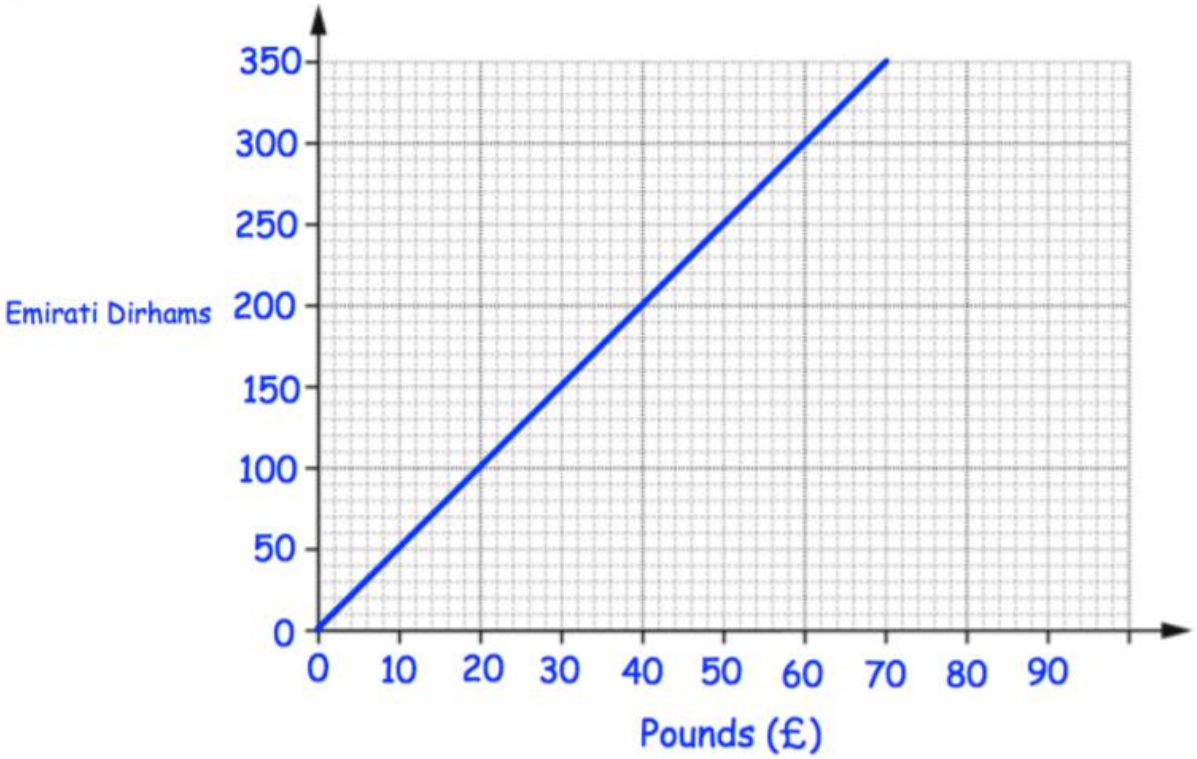
(a) Using the graph, convert 5 kilograms to pounds.

.....pounds
(1)

(b) Using the graph, convert 8 pounds to kilograms.

.....kilograms
(1)

10.



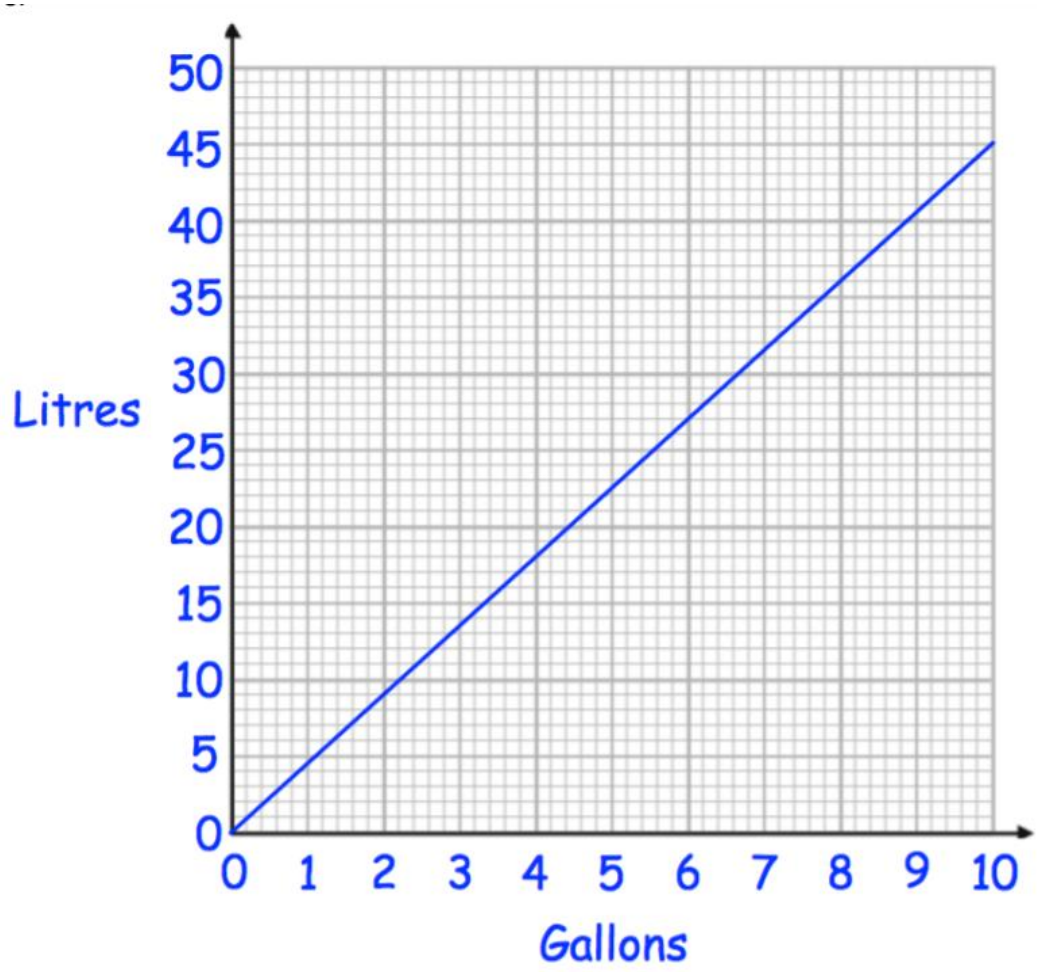
(a) Convert £50 into Dirhams.

.....Dirhams
(1)

(b) Convert 175 Dirhams into Pounds (£).

£.....
(1)

11.



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

.....litres
(1)

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

.....gallons
(1)

12. A die is rolled, what is the probability that an even number will be thrown?

_____

(1 mark)

13. A jar contains 3 red marbles, 7 green marbles and 10 white marbles. If a marble is drawn from the jar at random, what is the probability that this marble is white?

_____

(1 mark)

14. Tom chooses a letter at random from the alphabet. What is the probability he will choose the letter Q?

_____

(1 mark)