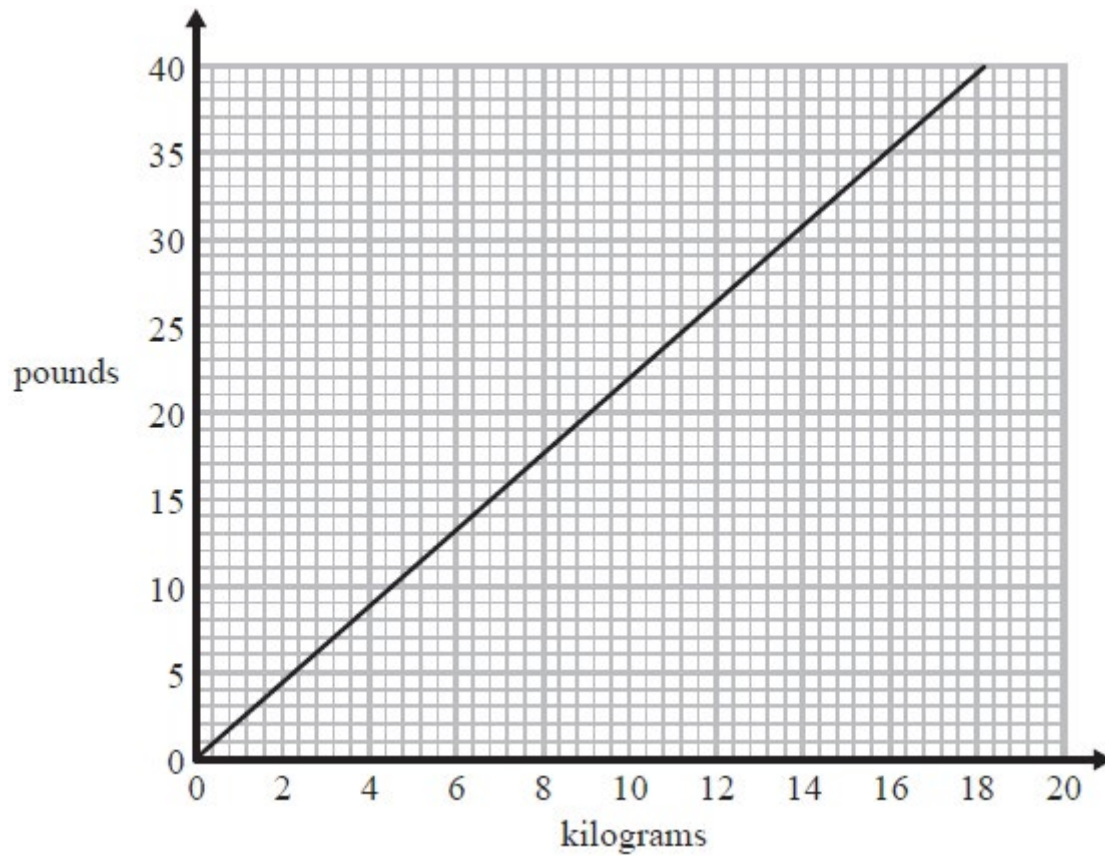


Questions

Q1.

You can use this graph to change between pounds and kilograms.



(a) Change 13 pounds to kilograms.

..... kilograms

(1)

A trolley can carry a maximum weight of 200 pounds.

Jack has 4 bags of potatoes.
Each bag of potatoes weighs 25 kilograms.

*(b) Can the trolley carry the 4 bags of potatoes at the same time?
You must show your working.

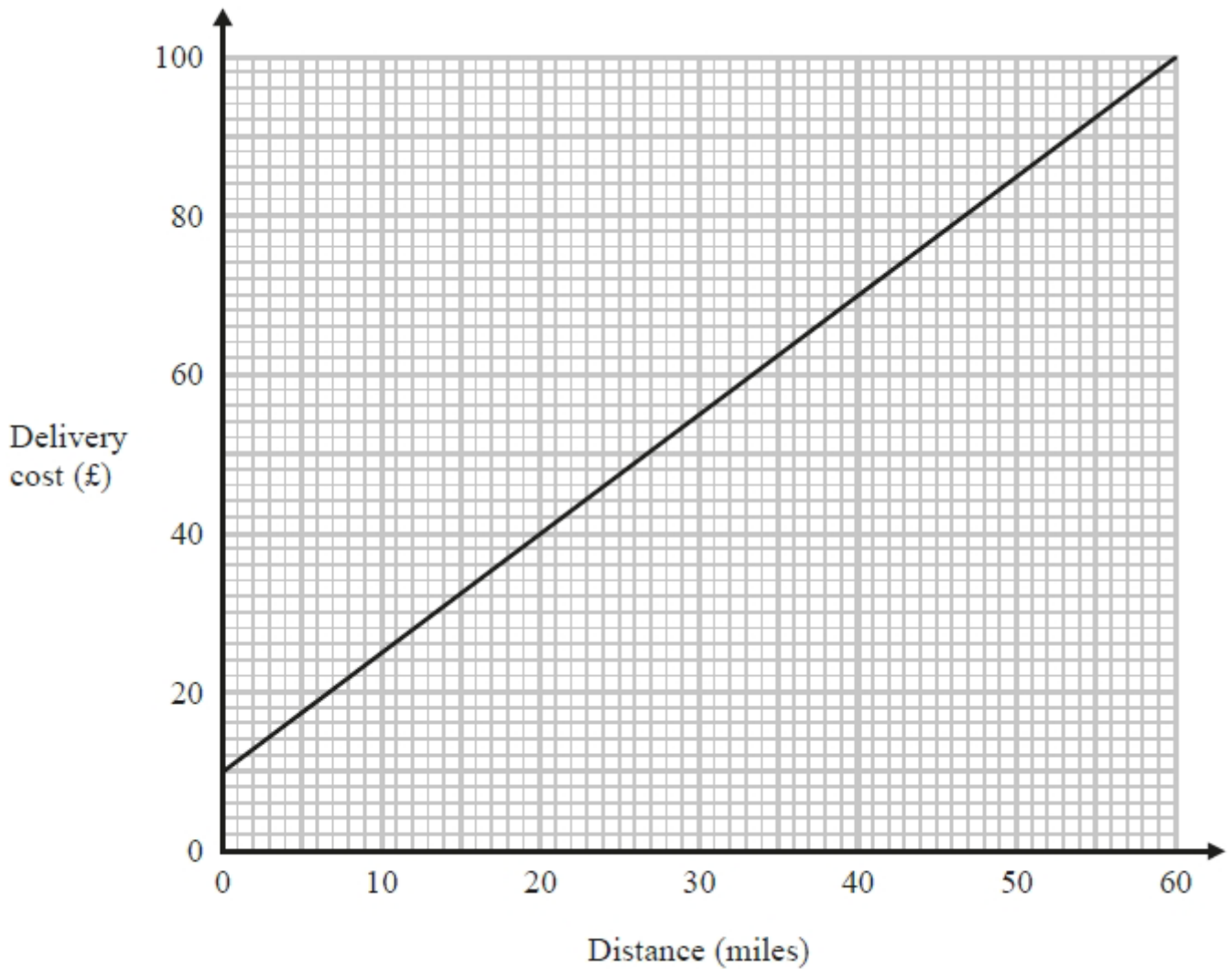
(3)

(Total for question = 4 marks)

Q2.

Tom uses his lorry to deliver bricks.

You can use this graph to find the delivery cost for different distances.



For each delivery, there is a fixed charge plus a charge for the distance.

(a) How much is the fixed charge?

£
(1)

Tom makes two deliveries of bricks.

The distance of one delivery is 20 miles more than the distance of the other delivery.

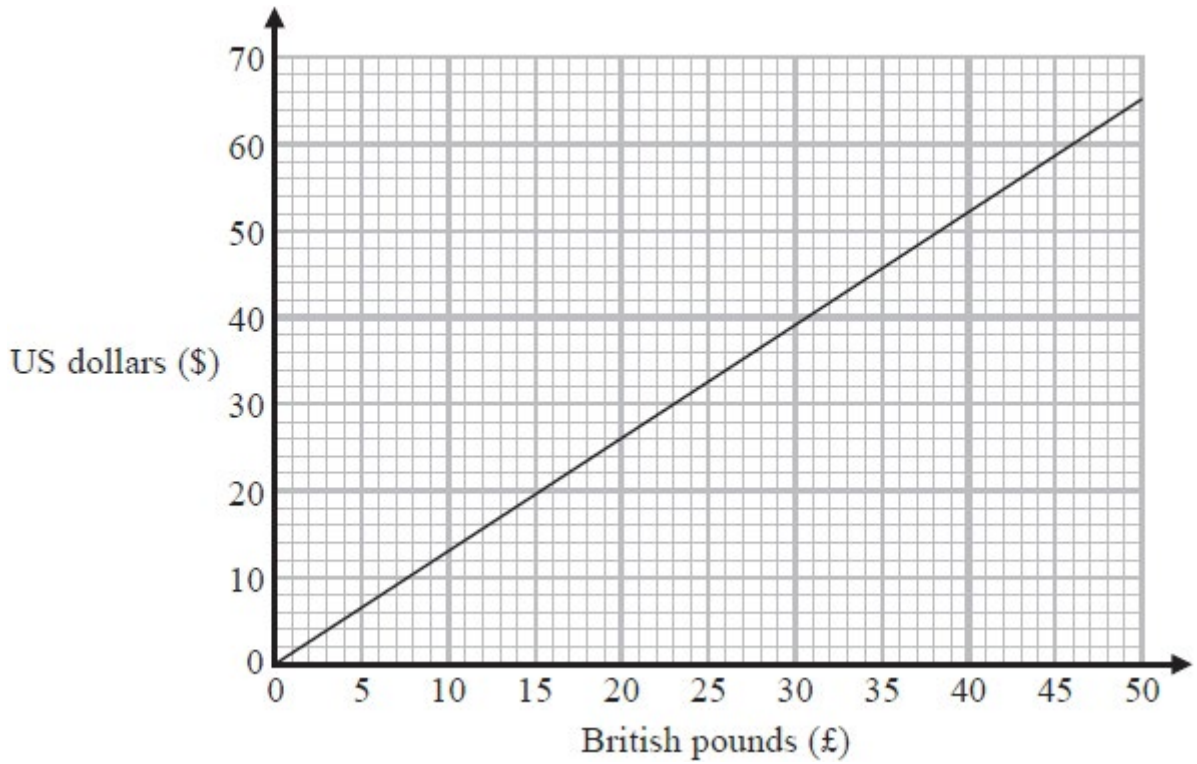
(b) Work out the difference between the two delivery costs.

£
(2)

(Total for question = 3 marks)

Q3.

This graph can be used to change between US dollars (\$) and British pounds (£).



Rosie bought a ring in the USA.
She paid 345 US dollars.

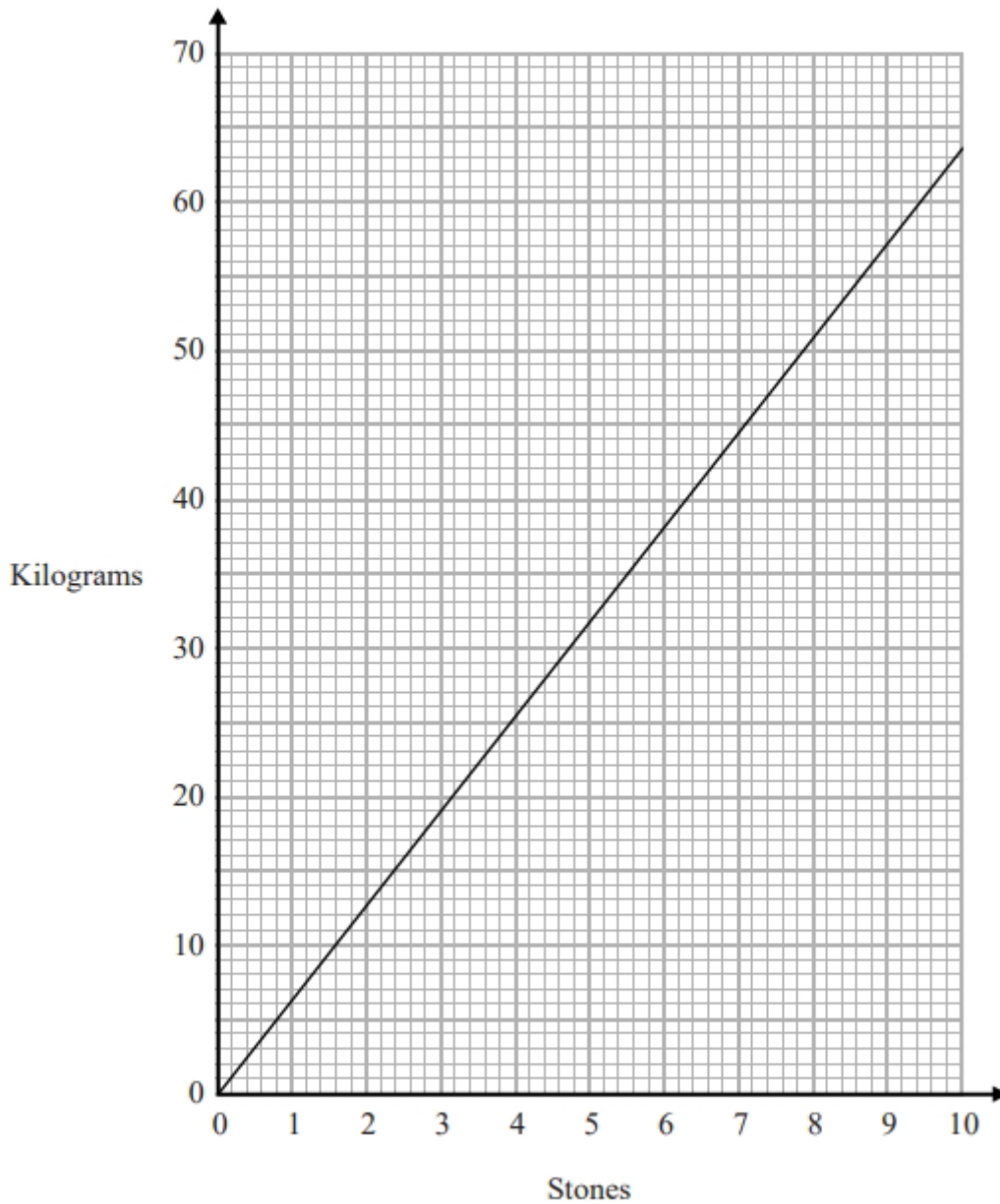
Work out in pounds the amount Rosie paid for the ring.

£

(Total for question = 3 marks)

Q4.

You can use this graph to change between stones and kilograms.



(a) Change 3 stones to kilograms.

..... kilograms
(1)

(b) Change 80 kilograms to stones.

..... stones
(2)

(Total for question = 3 marks)

Q5.

Polly has a full 5 kg sack of rice.

She pours the rice from this sack into bags.
She fills as many bags as possible.

Each full bag contains 350 g of rice.

(a) How many bags did Polly fill from this sack of rice?

.....
(3)

Polly assumes that the rice from two sacks will fill twice as many bags as the rice from one sack.

(b) Is Polly correct?

You must give a reason for your answer.

.....
.....
(1)

(Total for question = 4 marks)

Q6.

Change 350 centimetres into metres.

..... metres
(Total for question = 1 mark)

Q7.

1 kg = 2.2 pounds

Change 319 pounds to kg.

..... kg
(Total for question = 2 marks)

Q8.

(a) Change 4560 g into kg.

..... kg

(1)

(b) Change 7.3 m into mm.

..... mm

(1)

(Total for question = 2 marks)

Q9.

Write 180 minutes in hours.

..... hours

(Total for question = 1 mark)

Q10.

Change 1.5 kilometres to metres.

..... metres

(Total for question = 1 mark)

Q11.

Work out the difference, in minutes, between 1 hour 25 minutes and $1\frac{1}{4}$ hours.

..... minutes

(Total for question = 2 marks)

Q12.

Change 4 kilometres into metres.

..... metres

(Total for question = 1 mark)

Q13.

Change 300 centimetres into metres.

..... metres

(Total for question = 1 mark)

Q14.

Write 37 cm^3 in mm^3

..... mm^3

(Total for question = 1 mark)

Q15.

The length of a line is x centimetres.

Write down an expression, in terms of x , for the length of the line in millimetres.

.....

(Total for question = 1 mark)

Q16.

Change 72 km/h into m/s .

..... m/s

(Total for question = 3 marks)

Q17.

(a) Write $\frac{1}{4}$ as a decimal.

.....

(1)

(b) Write 0.75 as a fraction.

.....

(1)

(c) Write 200 mm in centimetres.

.....

(1)

(Total for Question is 3 marks)

Q18.

Sameena has 10 m of ribbon on a reel.
She cuts 3 pieces of ribbon from the ribbon on the reel.

The lengths of the pieces are

41 cm
3.7 m
and 112 cm.

Work out how much ribbon Sameena will have left on the reel.

.....

(Total for question = 4 marks)

Q19.

Change 4500 mm³ into cm³.

..... cm³

(Total for question = 2 marks)

Q20.

Write a number on the dotted line to make the statement correct.

2.75 litres = millilitres

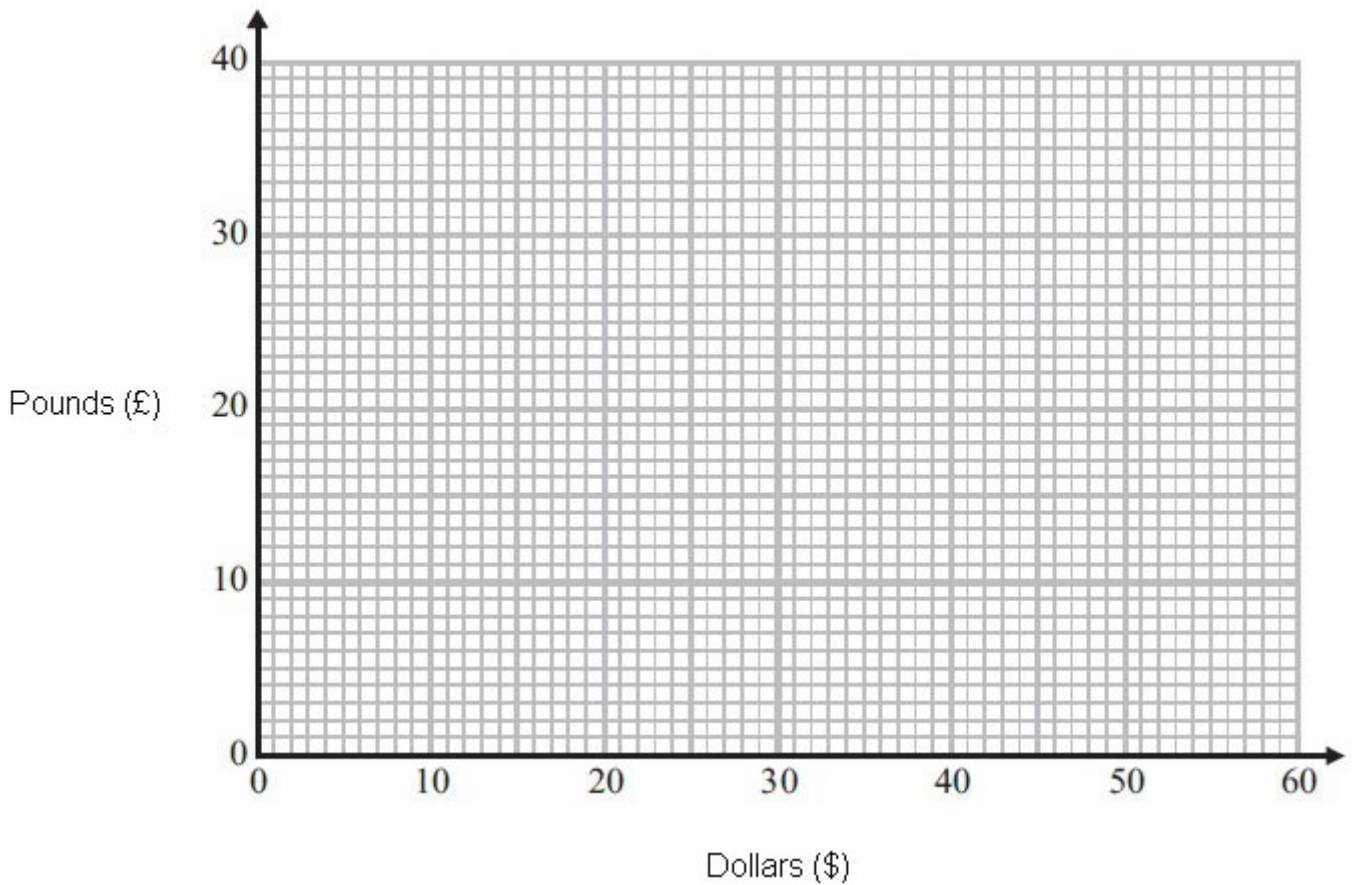
(Total for question = 1 mark)

Q21.

The table shows how much some amounts of money in dollars (\$) are when they are changed to pounds (£).

Dollars (\$)	0	15	30	45	60
Pounds (£)	0	10	20	30	40

(a) On the grid, use this information to draw a line graph to change between dollars and pounds.



(2)

(b) Use your line graph to change

(i) £25 into \$

\$

(ii) \$50 into £

£

(2)

(Total for Question is 4 marks)

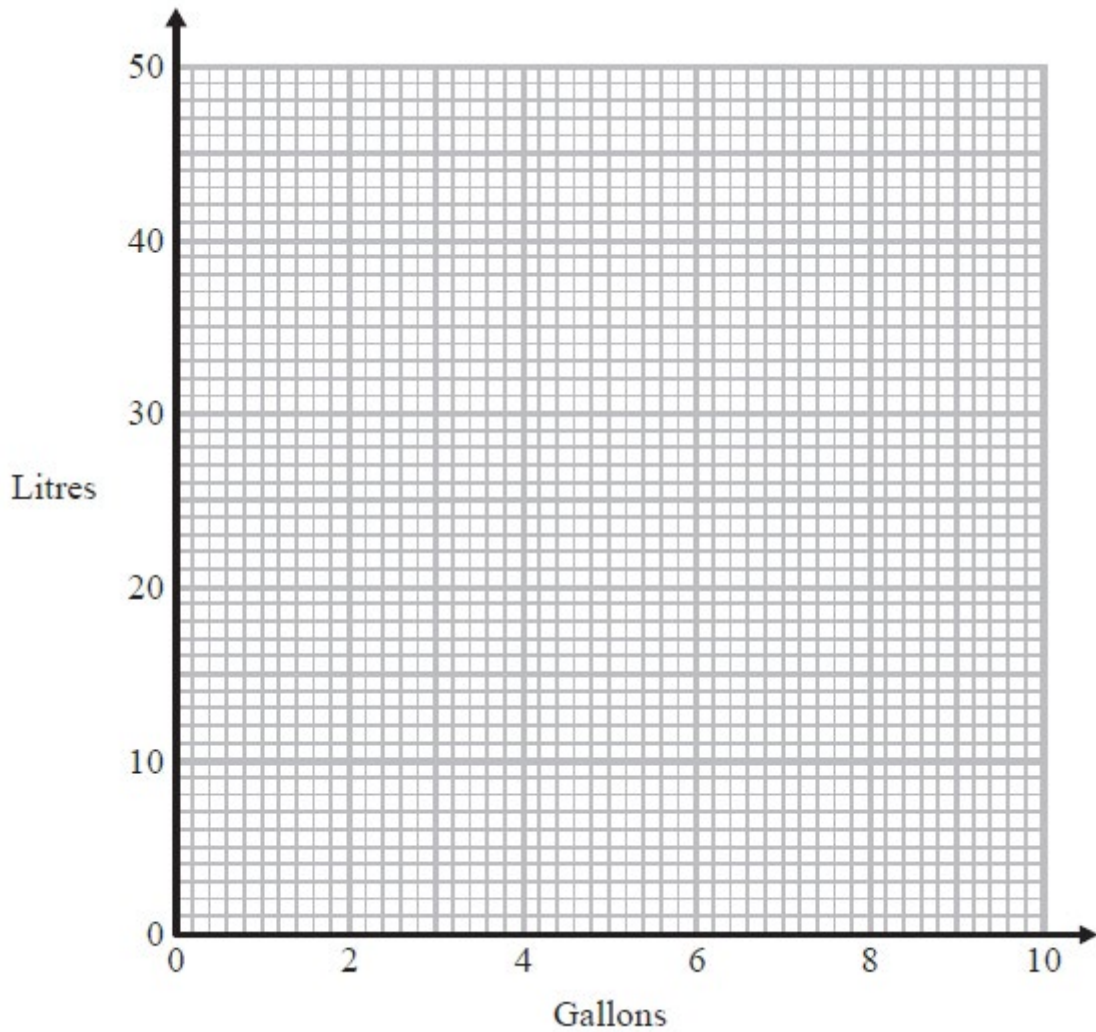
Q22.

Josh changed some volumes measured in gallons to litres.

The table shows his results.

gallons	0	2	4	6	8
litres	0	9	18	27	36

(a) On the grid, use this information to draw a line graph that can be used to change between gallons and litres.



(2)

(b) Use your line graph to change 5 gallons to litres.

.....litres
(1)

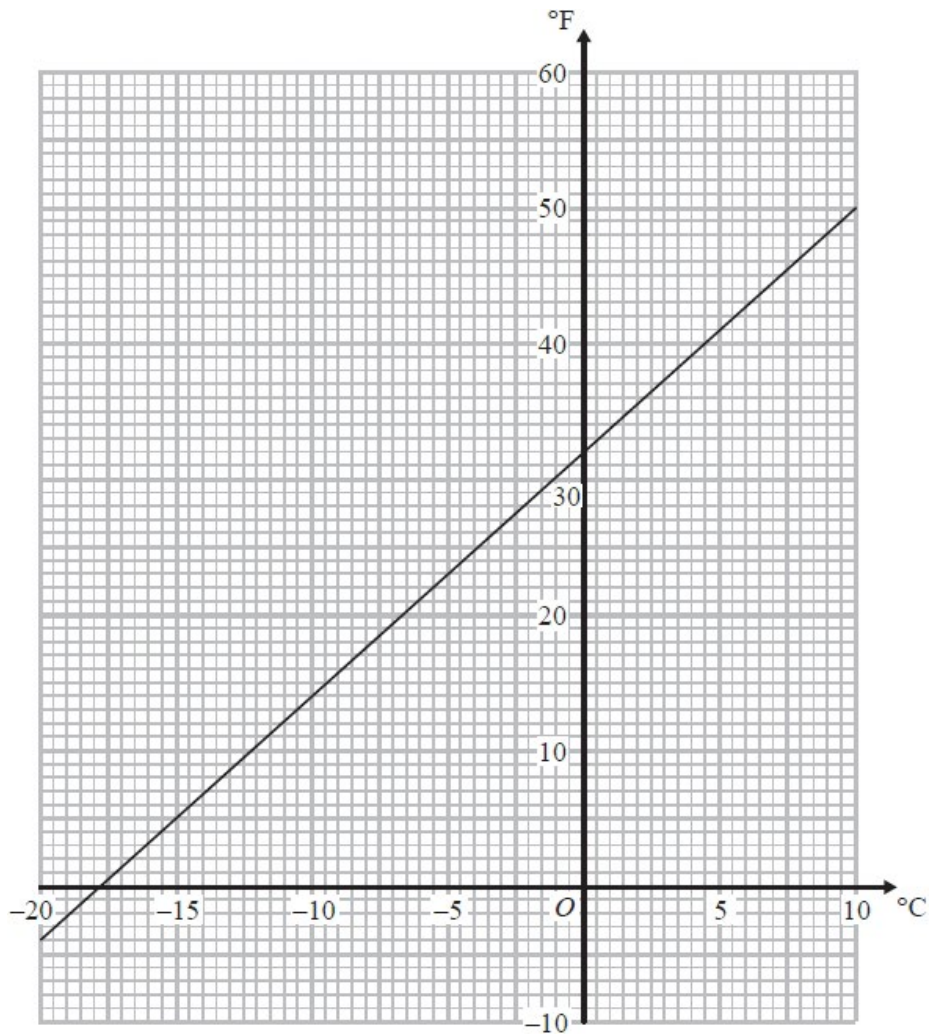
(c) Use your line graph to change 33 litres to gallons.

.....gallons
(1)

(Total for Question is 4 marks)

Q23.

You can use this conversion graph to change between temperatures in degrees Celsius ($^{\circ}\text{C}$) and temperatures in degrees Fahrenheit ($^{\circ}\text{F}$).



The temperature inside a refrigerator needs to be 40°F .

(a) Use the conversion graph to change a temperature of 40°F into a temperature in $^{\circ}\text{C}$.

..... $^{\circ}\text{C}$
(1)

The temperature in a freezer needs to be 0°F .

The temperature in Dave's freezer is -10°C .

* (b) Compare the temperature in Dave's freezer with 0°F .

You must show your working.

(3)

(Total for question = 4 marks)

Q24.

Peter goes for a walk.

He walks 15 miles in 6 hours.

(a) Work out Peter's average speed.

Give your answer in miles per hour.

.....
(2)

5 miles = 8 km.

Sunita says that Peter walked more than 20 km.

* (b) Is Sunita right?

You must show all your working.

(2)

(Total for Question is 4 marks)