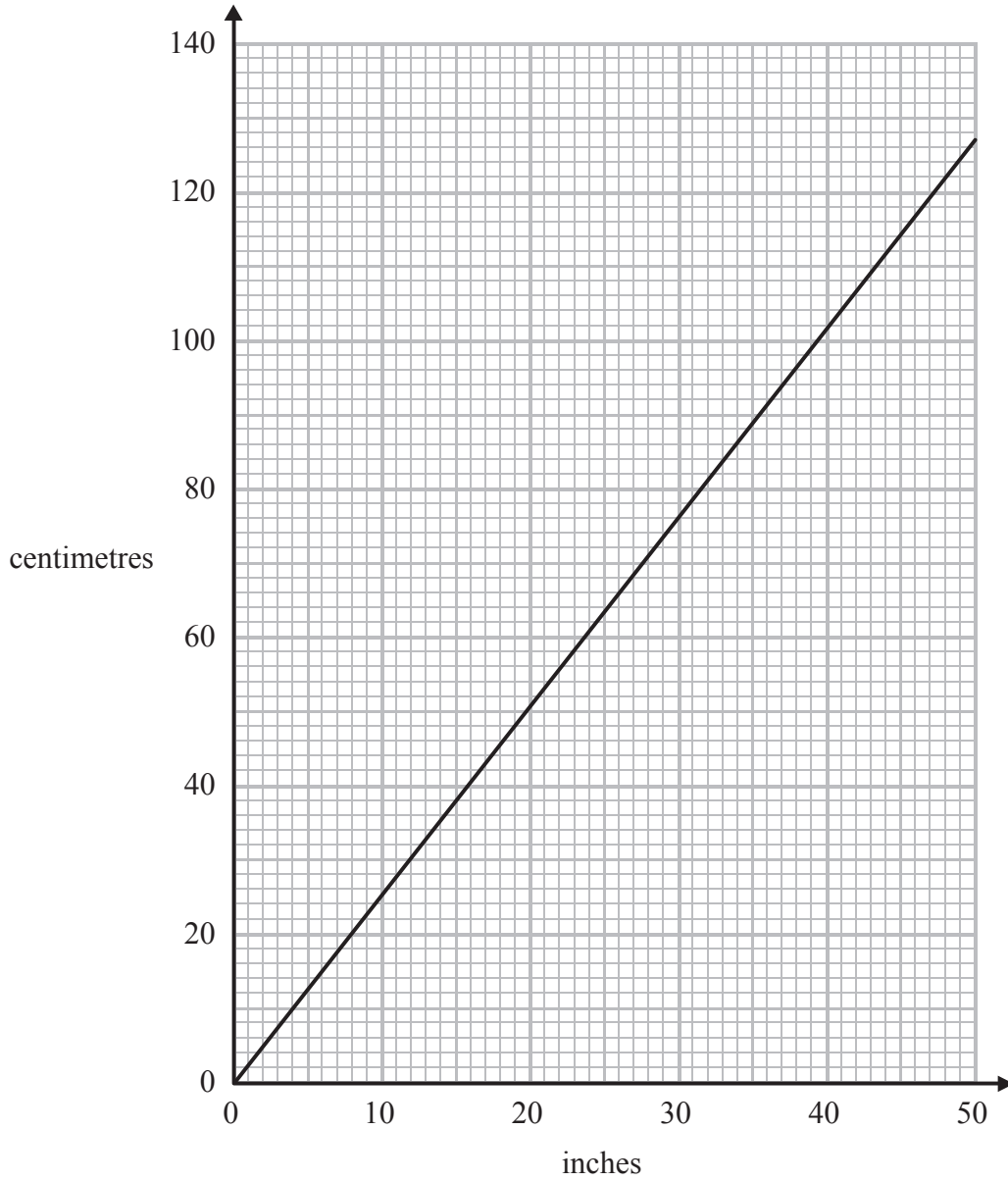


1 You can use this graph to change between inches and centimetres.



(a) Change 74 cm to inches.

..... inches
(1)

Daniel's height is 6 feet 3 inches.

1 foot = 12 inches

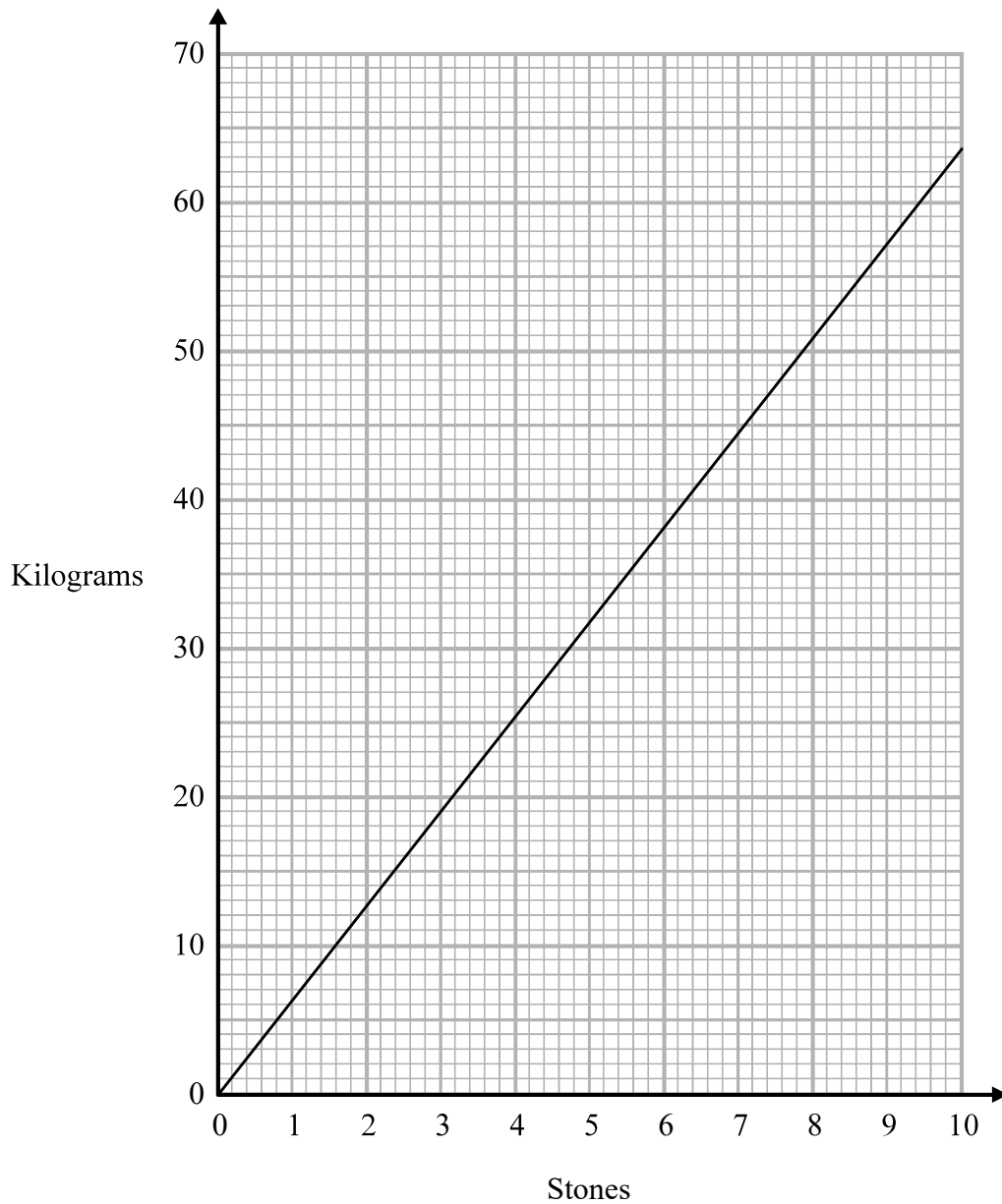
(b) What is Daniel's height in centimetres?

..... centimetres

(3)

(Total for Question 1 is 4 marks)

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



(a) Change 3 stones to kilograms.

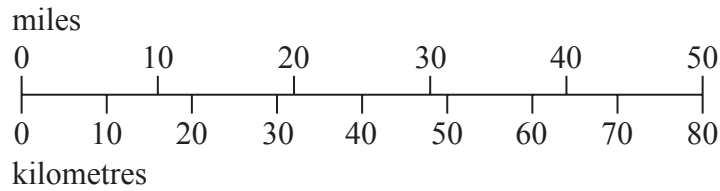
..... kilograms
(1)

(b) Change 80 kilograms to stones.

..... stones
(2)

(Total for Question 2 is 3 marks)

3 This scale can be used to change between kilometres and miles.



(a) Use the scale to change 40 kilometres to miles.

..... miles
(1)

Here is an approximate rule to change from kilometres to miles.

Divide the distance in kilometres by 10 and then multiply by 6

(b) Use this approximate rule to change 40 kilometres to miles.

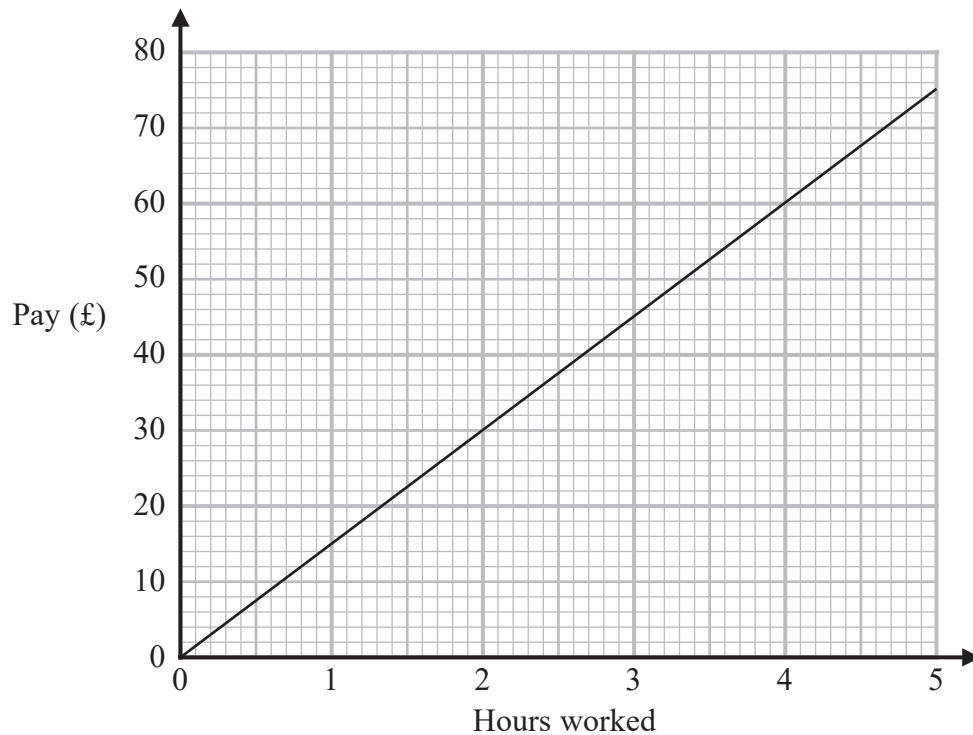
..... miles
(2)

(c) Compare your answer to part (b) with your answer to part (a).

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

(Total for Question 3 is 4 marks)

- 4 Nazima uses this graph to find out how much money she is paid for the number of hours she has worked.



- (a) How much money is Nazima paid for each hour she works?

£.....

(1)

Last week Nazima worked for 36 hours.

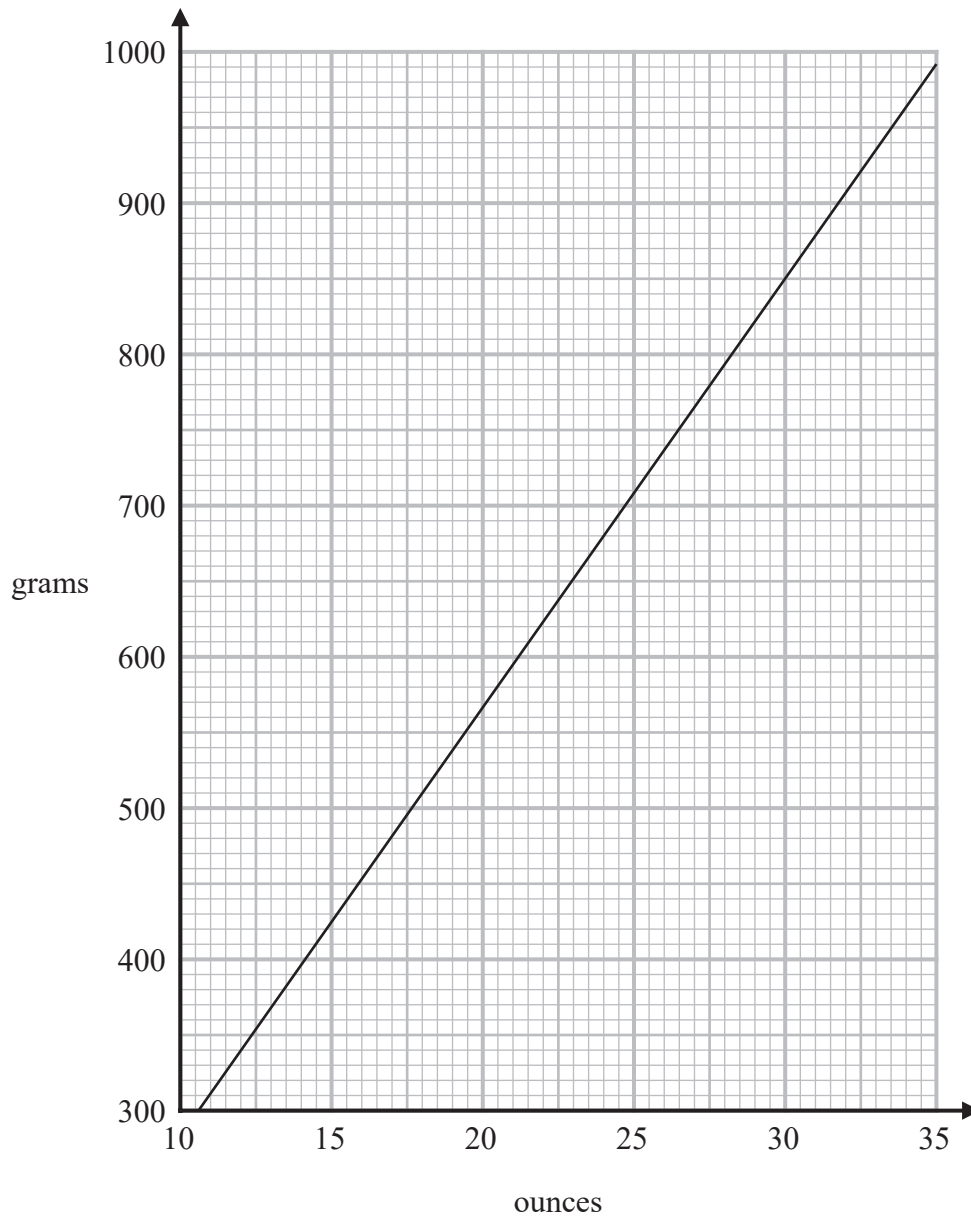
- (b) How much money was Nazima paid?

£.....

(2)

(Total for Question 4 is 3 marks)

5 You can use this graph to change between ounces and grams.



(a) Change 850 grams to ounces.

..... ounces
(1)

(b) Change 80 ounces to grams.

..... grams
(2)

(Total for Question 5 is 3 marks)

- 6 In London, 1 litre of petrol costs 108.9p
In New York, 1 US gallon of petrol costs \$2.83

1 US gallon = 3.785 litres

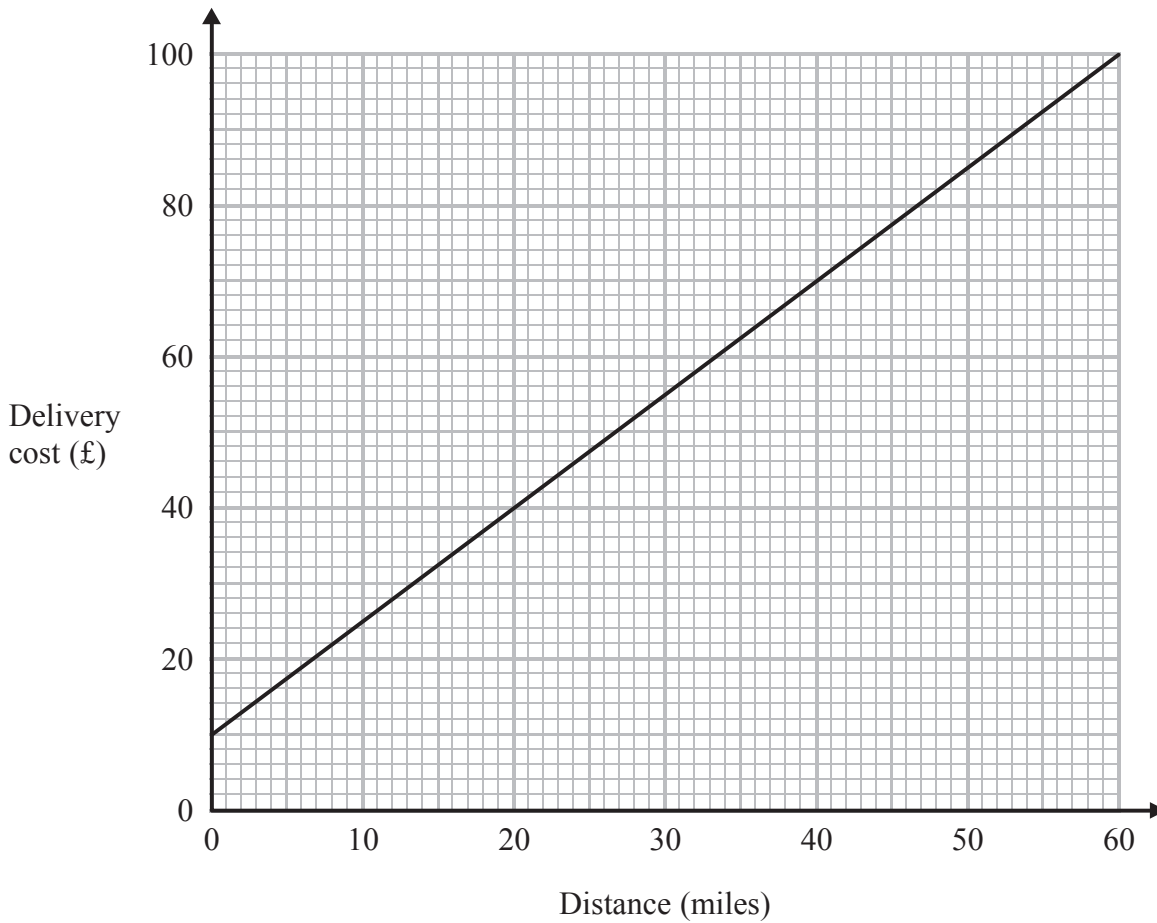
£1 = \$1.46

In which city is petrol better value for money, London or New York?
You must show your working.

(Total for Question 6 is 3 marks)

7 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 7 is 3 marks)

8 Rehan is on holiday in the USA.

He has \$200 to spend on clothes.

Rehan buys

1 pair of trainers costing \$60

3 T-shirts costing \$25 each.

He also wants to buy a jacket costing \$80

(a) Has Rehan got enough money to buy the jacket?

You must show how you get your answer.

(3)

The trainers cost \$60

The exchange rate is $\$1 = \pounds 0.749$

Rehan says,

“The trainers cost less than £40”

Rehan is wrong.

(b) Using a suitable approximation, show working to explain why.

(2)

(Total for Question 8 is 5 marks)

9 Liz goes on holiday to South Africa.

Liz wants to change £850 into South African rand.
She wants to get as many 200 rand notes as possible.

The exchange rate is £1 = 18.53 rand.

Work out the greatest number of 200 rand notes that Liz can get for £850

.....
(Total for Question 9 is 3 marks)

10 In October Sally drove 560 miles in her car.

The car travelled 34.5 miles for each gallon of petrol used.

Petrol cost £1.08 per litre.

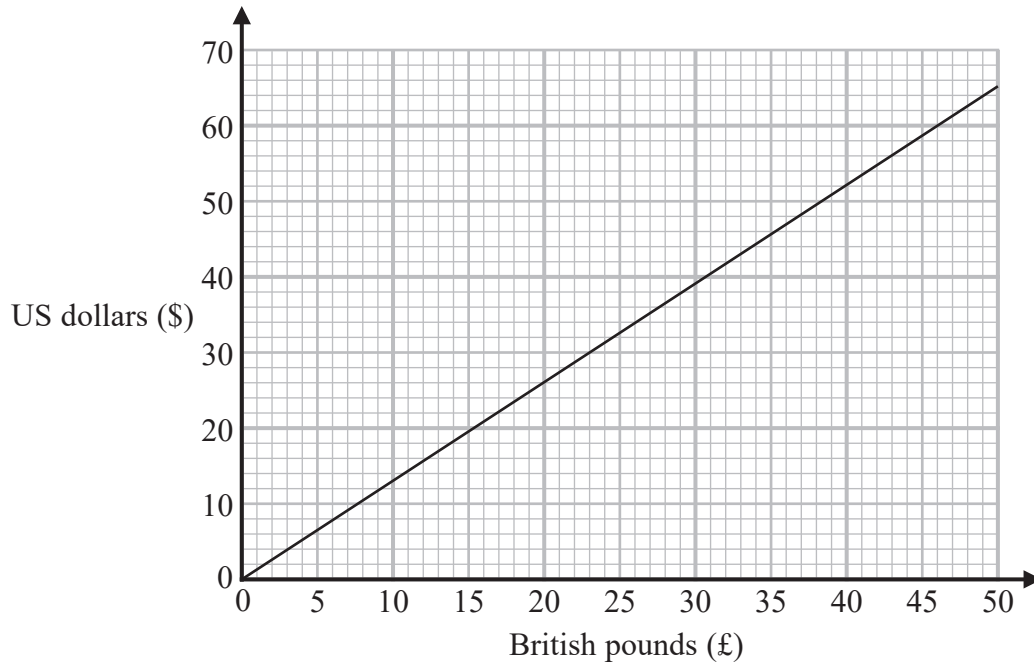
1 gallon = 4.55 litres.

Work out the cost of the petrol the car used in October.

£.....

(Total for Question 10 is 4 marks)

11 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 11 is 3 marks)

12 A water tank is empty.

Anil needs to fill the tank with 2400 litres of water.

Company **A** supplies water at a rate of 8 litres in 1 minute 40 seconds.

Company **B** supplies water at a rate of 2.2 gallons per minute.

1 gallon = 4.54 litres

Company **A** would take more time to fill the tank than Company **B** would take to fill the tank.

How much more time?

Give your answer in minutes correct to the nearest minute.

..... minutes

(Total for Question 12 is 4 marks)

- 13** In Spain, Sam pays 27 euros for 18 litres of petrol.
In Wales, Leo pays £40.80 for 8 gallons of the same type of petrol.

$$1 \text{ euro} = \text{£}0.85$$
$$4.5 \text{ litres} = 1 \text{ gallon}$$

Sam thinks that petrol is cheaper in Spain than in Wales.

Is Sam correct?

You must show how you get your answer.

(Total for Question 13 is 4 marks)