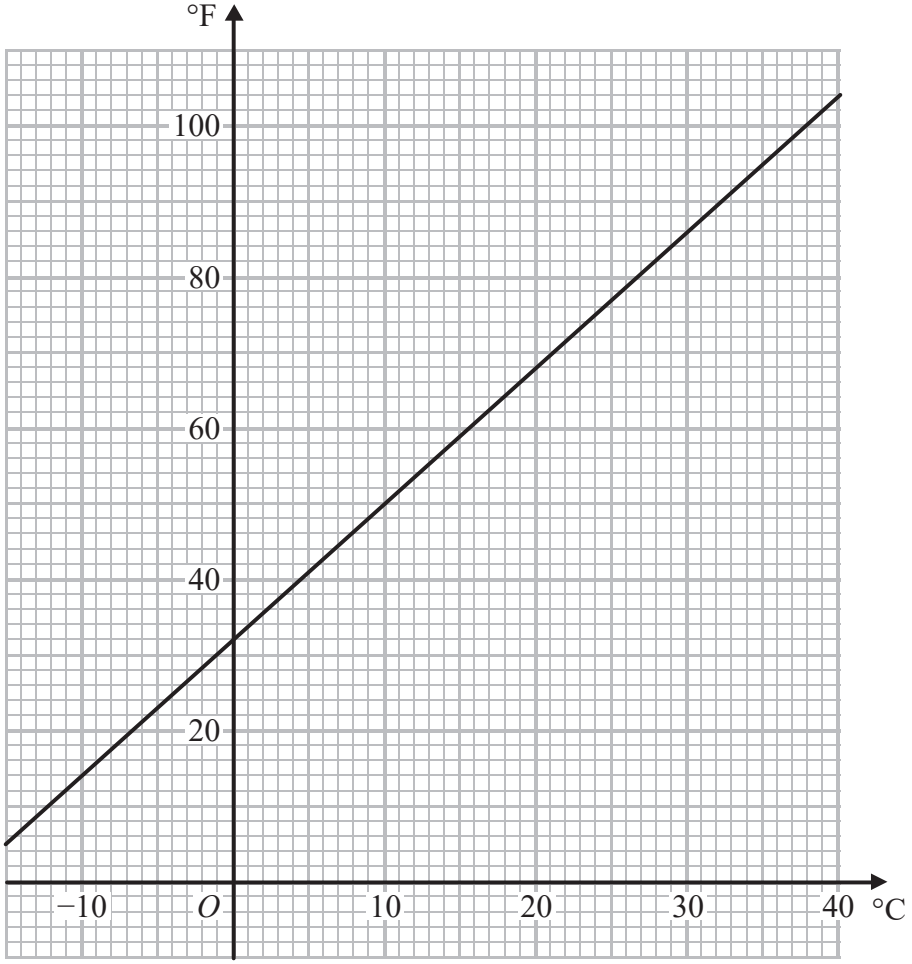
1 You can use this graph to change between temperatures in degrees Celsius (°C) and temperatures in degrees Fahrenheit (°F).



The temperature in Dubai on Monday increased by 20 °C from midnight to midday.

(a) What is this temperature increase in degrees Fahrenheit?

..... °F

(2)

Maninder says,

"30 °C is the same as 86 °F, therefore 60 °C will be the same as 172 °F."

(b) Is Maninder correct?
Give a reason for your answer.

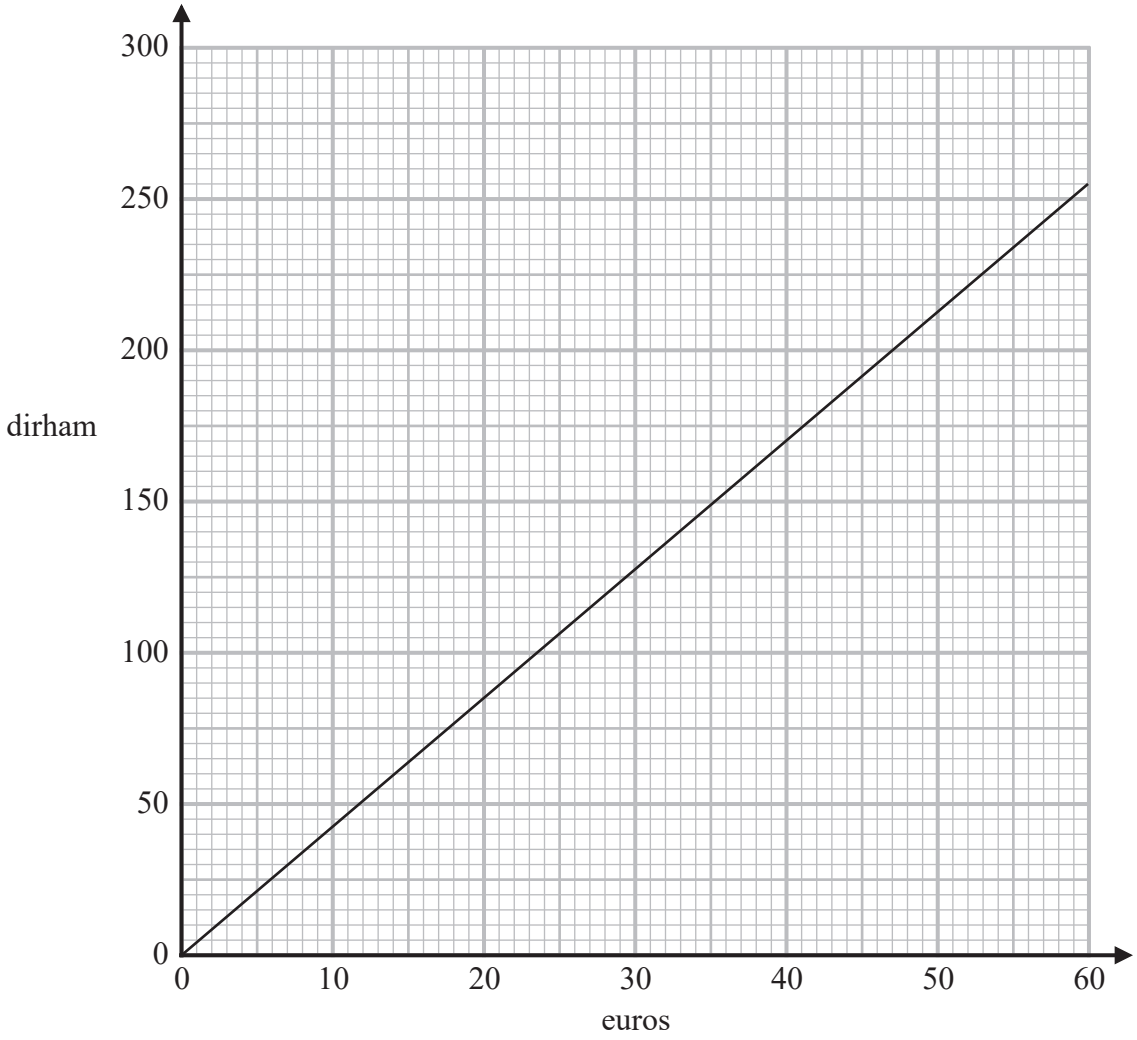
.....

.....

(1)

(Total for Question 1 is 3 marks)

2 The graph below can be used to change between euros and dirham.



(a) Use the graph to change 200 dirham to euros.

..... euros

(1)

The price of a jacket is 90 euros in France and 400 dirham in the United Arab Emirates.

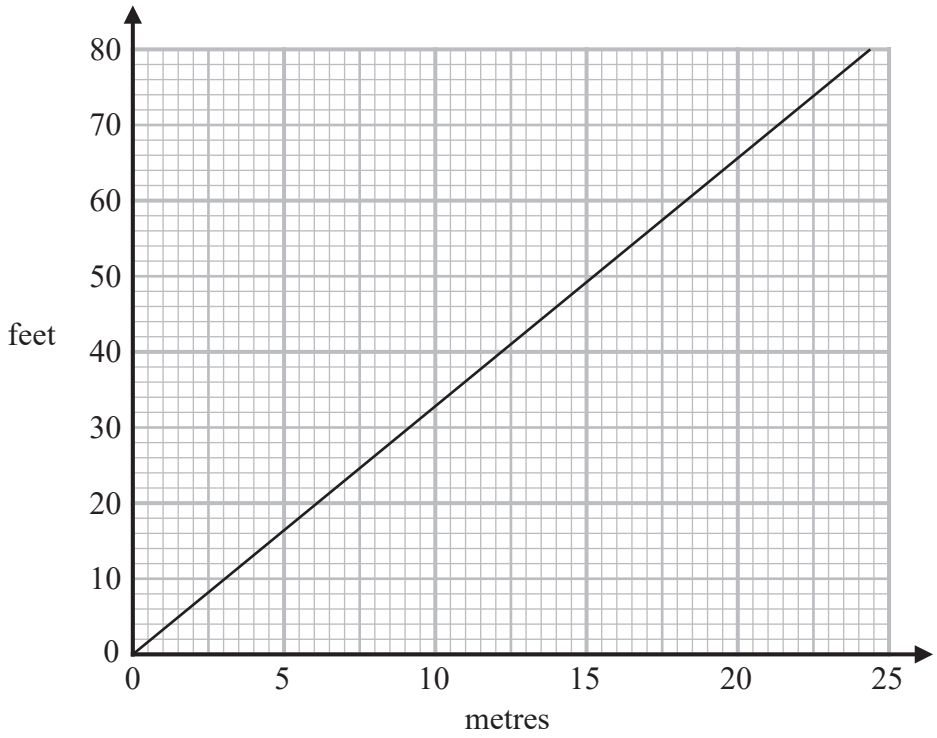
(b) In which of these countries is the jacket cheaper?
You must show your working.

.....

(2)

(Total for Question 2 is 3 marks)

3 Below is a conversion graph to change between metres and feet.



(a) Use the graph to change

(i) 10 metres to feet,

.....feet

(ii) 50 feet to metres.

.....metres

(2)

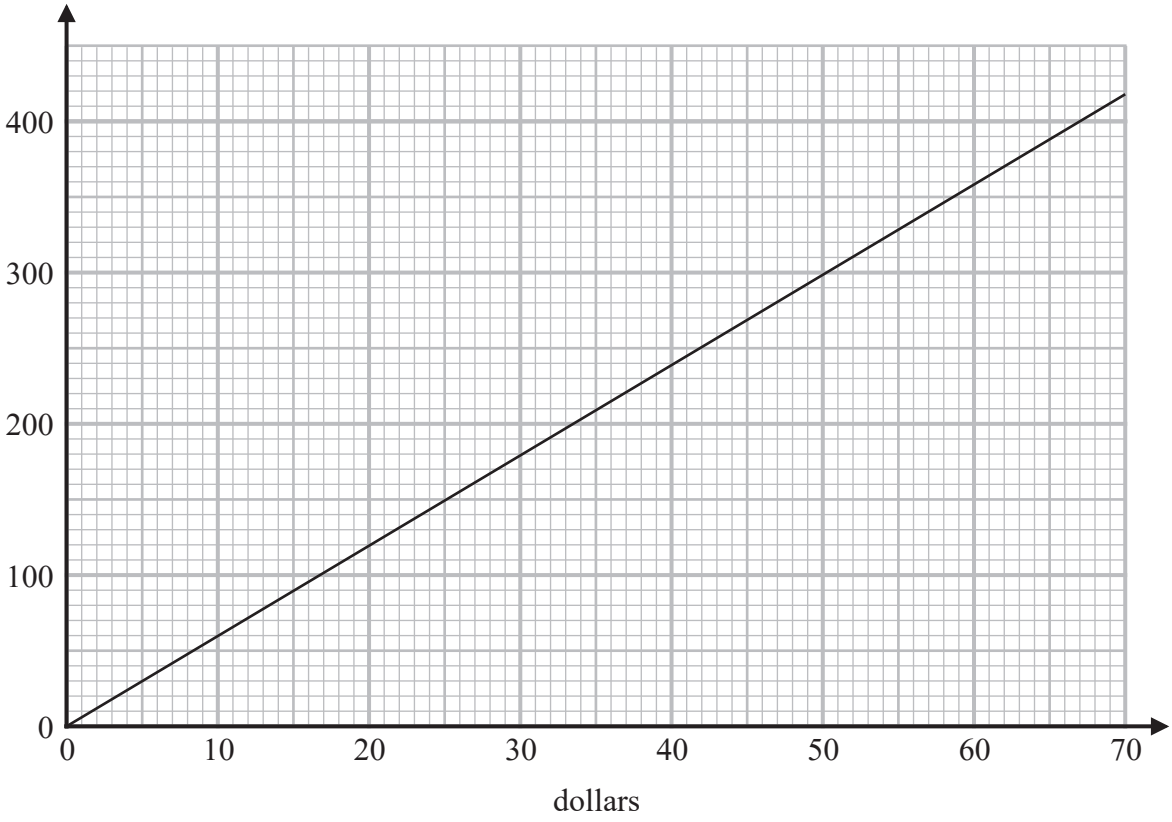
Joss lives 820 metres above sea level.
Nicky lives 2850 feet above sea level.

(b) Which is the greater, 820 metres or 2850 feet?
You must show how you get your answer.

(2)

(Total for Question 3 is 4 marks)

4 The graph below can be used to change between dollars and Danish krone.



(a) Change 40 dollars to Danish krone.

..... Danish krone

(1)

(b) Change 350 Danish krone to dollars.

..... dollars

(1)

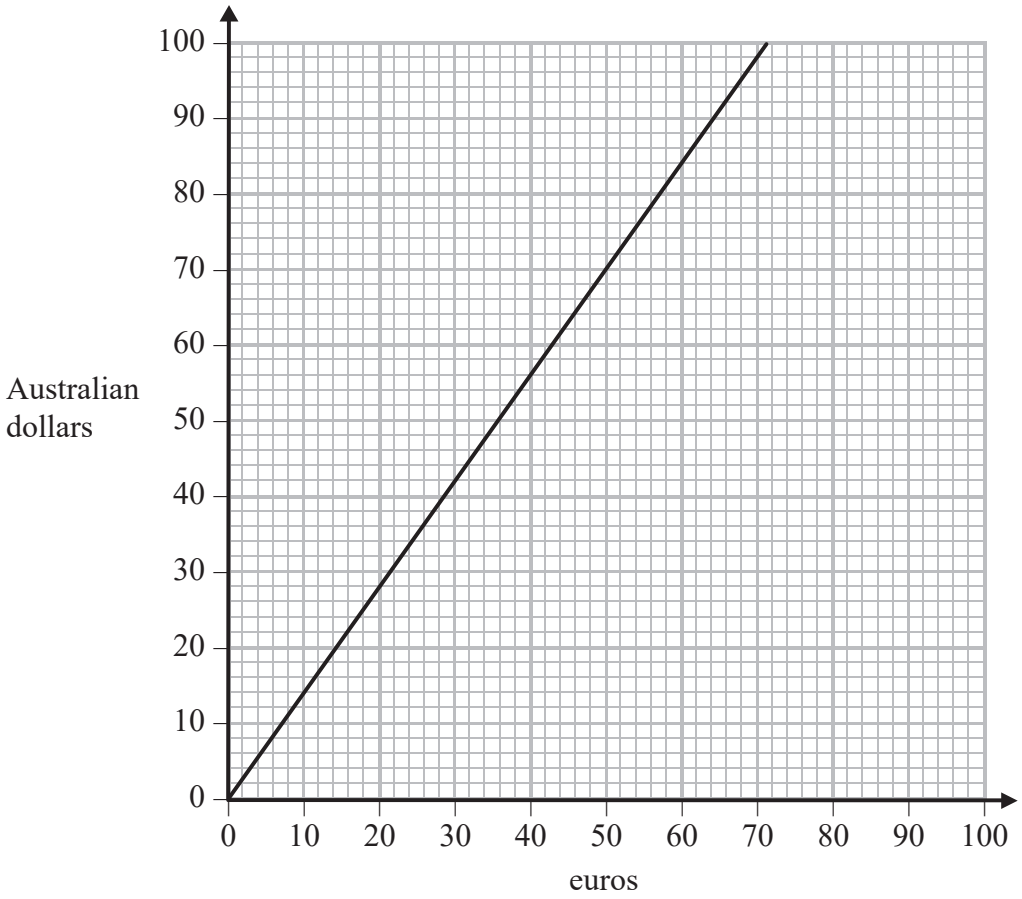
Robert needs 950 Danish krone to pay for a hotel stay.
He has 170 dollars.

(c) Show that Robert has enough money to pay for his hotel stay.

(2)

(Total for Question 4 is 4 marks)

5 Here is a conversion graph to change between euros and Australian dollars.



(a) Use the graph to change

(i) 50 euros to Australian dollars,

.....Australian dollars

(ii) 90 Australian dollars to euros.

.....euros

(2)

Sheila is on holiday in Italy and is going to the United Arab Emirates.
She knows that

1 Australian dollar = 2.7 dirhams

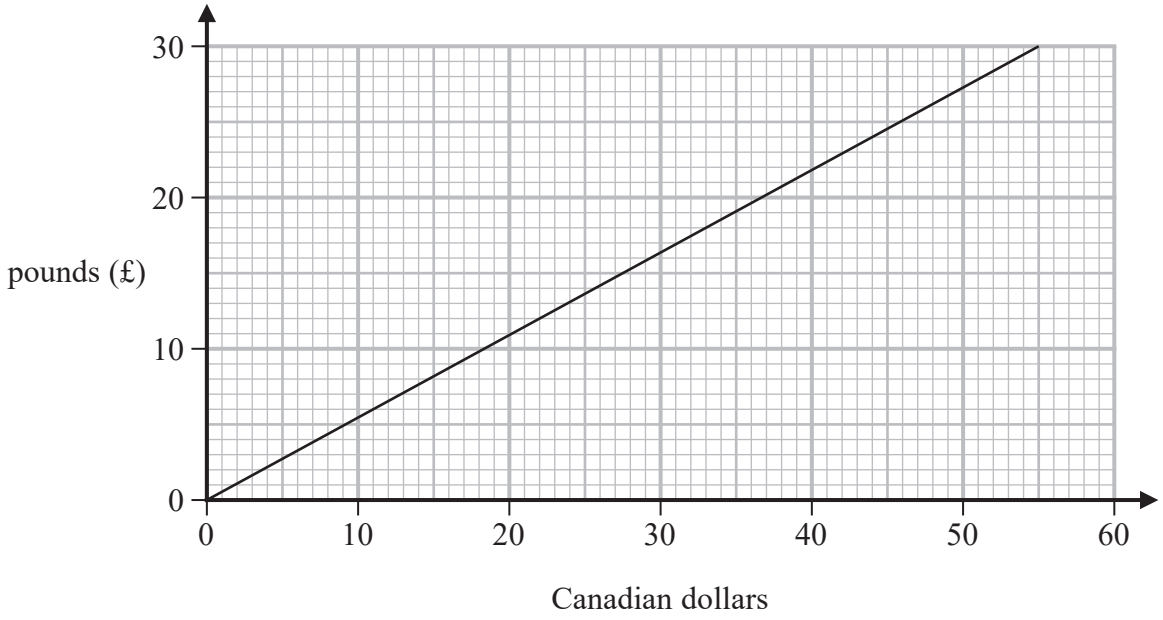
(b) Change 500 euros to dirhams.

.....dirhams

(3)

(Total for Question 5 is 5 marks)

6 Here is a conversion graph to change between Canadian dollars and pounds (£)



(a) Use the graph to change

(i) 46 Canadian dollars to pounds (£)

£.....

(ii) £10 to Canadian dollars.

..... Canadian dollars

(2)

Alana is on holiday in London and is going to Paris.
She is going to book a hotel in Paris.
She knows that

1 pound (£) = 1.2 euros

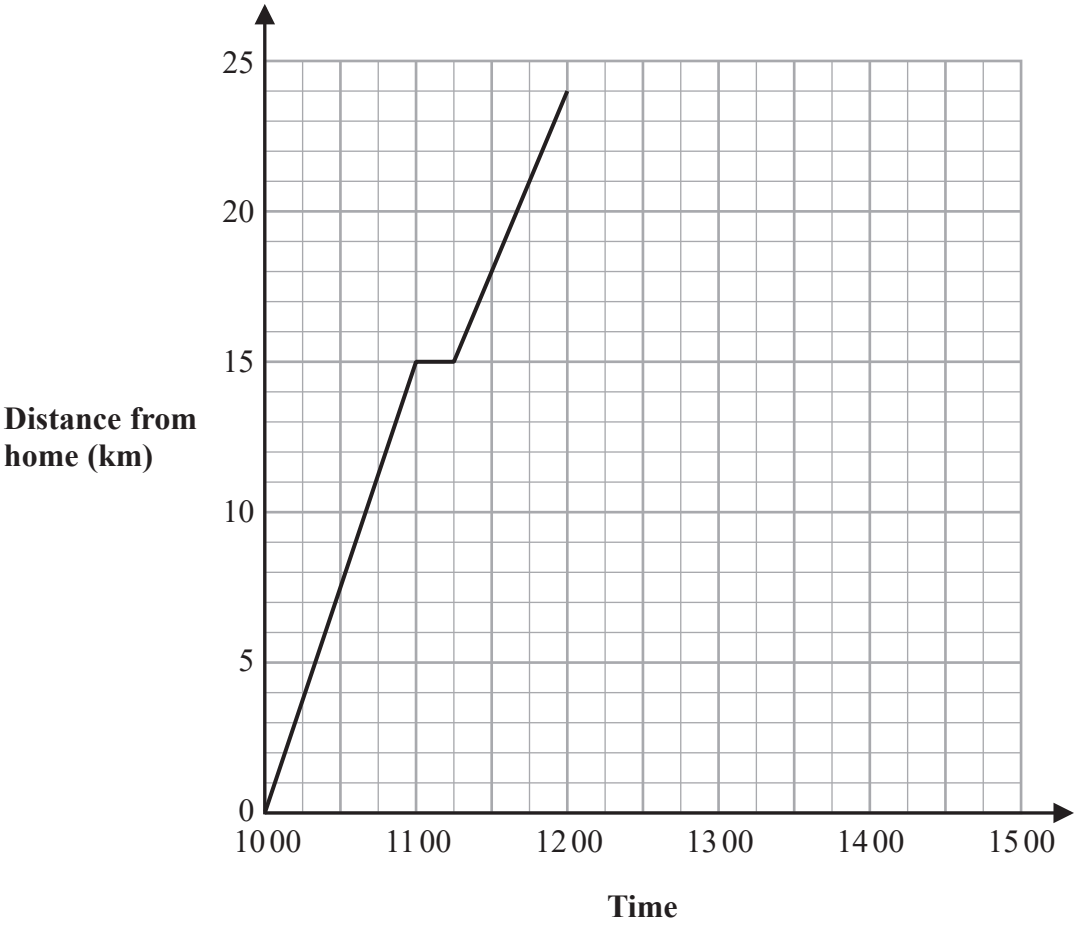
(b) Change 528 euros to Canadian dollars.

..... Canadian dollars

(3)

(Total for Question 6 is 5 marks)

7 Jalina left her home at 10 00 to cycle to a park.
On her way to the park, she stopped at a friend's house and then continued her journey to the park.
Here is the distance-time graph for her journey to the park.



(a) On her journey to the park, did Jalina cycle at a faster speed before or after she stopped at her friend's house?
Give a reason for your answer.

.....

.....

.....

(1)

Jalina stayed at the park for 45 minutes.
She then cycled, without stopping, at a constant speed of 16 km/h from the park back to her home.

(b) Show all this information on the distance-time graph.

(2)

(c) Work out Jalina's average cycling speed, in kilometres per hour, for the complete journey to the park and back.
Do **not** include the times when she was not cycling in your calculation.
Give your answer correct to 1 decimal place.

..... km/h

(3)

(Total for Question 7 is 6 marks)