

Exchange Rates

For Pearson Edexcel GCSE Mathematics (1MA1) • Foundation tier

Name _____

Total marks: **23**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method. You may use a calculator.

1 The exchange rate is $\text{£}1 = 1.14$ euros.

(a) Change $\text{£}240$ into euros.

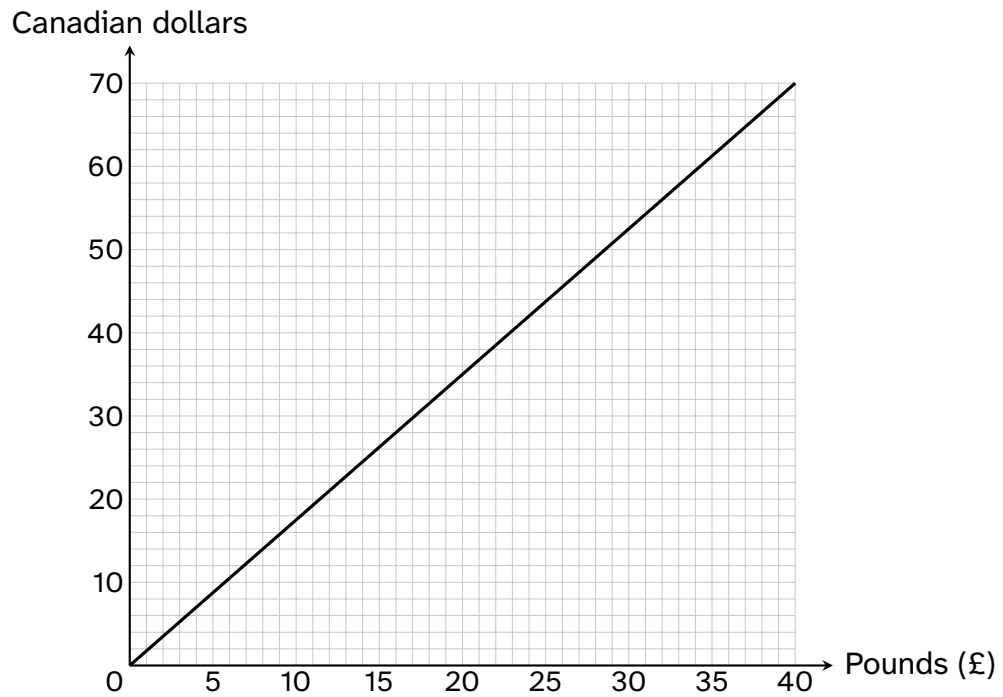
..... euros
(2)

(b) Change 399 euros into pounds.

£
(2)

(Total for Question 1 is 4 marks)

- 2 This graph can be used to change between British pounds (£) and Canadian dollars.



Ffion changes £180 into Canadian dollars.
Work out how many Canadian dollars she gets.

..... Canadian dollars
(3)

(Total for Question 2 is 3 marks)

- 3** Elliot needs some printer ink cartridges.
A UK website sells a pack of 4 cartridges for £23.60
A German website sells a pack of 6 of the same cartridges for 39.44 euros.
The exchange rate is £1 = 1.16 euros.

Which website sells the ink cartridges at the lower cost per cartridge?
You must show how you get your answer.

(3)

(Total for Question 3 is 3 marks)

- 4** A UK shop sells a 15 m garden hose for £14.25
A US shop sells a 60 foot garden hose for 23.40 US dollars.
£1 = 1.30 US dollars
1 foot = 30 cm

Which garden hose is better value for money, the UK hose or the US hose?
You must show how you get your answer.

(4)

(Total for Question 4 is 4 marks)

- 5** Dana has a job in the UK. It pays £33 000 per year.
She is offered a job in Ireland. It pays 3250 euros per month.
 $\text{£}1 = 1.20$ euros

Dana wants the job that pays more per year.
Which job should she choose?
You must show how you get your answer.

(3)

(Total for Question 5 is 3 marks)

- 6** A tablet costs 395 euros.
The exchange rate is $\text{£}1 = 1.17$ euros.
Josh says,
‘The tablet costs less than £300’

Do **not** use a calculator for this question.
Use approximations to show that Josh is wrong.

(2)

(Total for Question 6 is 2 marks)

- 7** Ciara runs an online shop.
She buys 40 scarves from a supplier in Italy.
Each scarf costs 9.50 euros.
She also pays £35 for delivery.
She sells all 40 scarves for £16 each.

£1 = 1.14 euros

Ciara says,

‘I will make more than £250 profit.’

Is Ciara correct?

You must show how you get your answer.

(4)

(Total for Question 7 is 4 marks)
