

Currency Conversions

Question Paper 2

Level	IGCSE
Subject	Maths (0580)
Exam Board	Cambridge International Examinations (CIE)
Paper Type	Extended
Topic	Number
Sub-Topic	Currency Conversions
Booklet	Question Paper 2

Time Allowed: 59 minutes

Score: /49

Percentage: /100



Grade Boundaries:

A*	A	B	C	D	E	U
>85%	75%	60%	45%	35%	25%	<25%

- 1 Alberto changes 800 Argentine pesos (ARS) into dollars (\$) when the rate is $\$1 = 3.8235$ ARS. He spends \$150 and changes the remaining dollars back into pesos when the rate is $\$1 = 3.8025$ ARS.

Calculate the amount Alberto now has in pesos.

Answer ARS [3]

- 2 A meal on a boat costs 6 euros (€) or 11.5 Brunei dollars (\$).

In which currency does the meal cost less, on a day when the exchange rate is $\text{€}1 = \$1.9037$? Write down all the steps in your working.

Answer [2]

- 3 Federico changed 400 euros (€) into New Zealand dollars (NZ\$) at a rate of $\text{€}1 = \text{NZ\$} 2.1$.
He spent x New Zealand dollars and changed the rest back into euros at a rate of $\text{€}1 = \text{NZ\$} d$.

Find an expression, in terms of x and d , for the number of euros Federico received.

Answer € [3]

- 4 The air fare from Singapore to Stockholm can be paid for in Singapore dollars (S\$) or Malaysian Ringitts (RM).

One day the fare was S\$740 or RM1900 and the exchange rate was $\text{S\$}1 = \text{RM}2.448$.

How much less would it cost to pay in Singapore dollars?

Give your answer in Singapore dollars correct to the nearest Singapore dollar.

Answer S\$ [3]



- 5 In France, the cost of one kilogram of apricots is €3.38 .
In the UK, the cost of one kilogram of apricots is £4.39 .
£1 = €1.04 .
Calculate the difference between these prices.
Give your answer in pounds (£).

Answer £ [2]

- 6 Michel changed \$600 into pounds (£) when the exchange rate was £1 = \$2.40.
He later changed all the pounds back into dollars when the exchange rate was £1 = \$2.60.

How many dollars did he receive?

Answer \$ [2]

- 7 Ricardo changed \$600 into pounds (£) when the exchange rate was \$1 = £0.60.
He later changed all the pounds back into dollars when the exchange rate was \$1 = £0.72.

How many dollars did he receive?

Answer \$ [2]

- 8 (a) In 2007, a tourist changed 4000 Chinese Yuan into pounds (£) when the exchange rate was £1 = 15.2978 Chinese Yuan.
Calculate the amount he received, giving your answer correct to 2 decimal places.

Answer(a) £ [2]

- (b) In 2006, the exchange rate was £1 = 15.9128 Chinese Yuan.
Calculate the percentage decrease in the number of Chinese Yuan for each £1 from 2006 to 2007.

Answer(b) % [2]

- 9 In January Sunanda changed £25 000 into dollars when the exchange rate was \$1.96 = £1.
In June she changed the dollars back into pounds when the exchange rate was \$1.75 = £1.
Calculate the profit she made, giving your answer in pounds (£).

Answer £ [3]

- 10 A holiday in Europe was advertised at a cost of €245.
The exchange rate was \$1 = €1.06.
Calculate the cost of the holiday in dollars, giving your answer correct to the nearest cent.

Answer \$ [2]

- 11 (a) In October the cost of a car in euros was €20 000.
The cost of this car in pounds was £14 020.
Calculate the **exact** value of the exchange rate in October.

Answer(a) €1 = £ [1]

- (b) In November the car still cost €20 000 and the exchange rate was €1 = £0.6915.
Calculate the difference, in pounds, between the cost in October and November.

Answer(b) £ [2]



- 12 In April 2001, a bank gave the following exchange rates.
 1 euro = 0.623 British pounds.
 1 euro = 1936 Italian lire.

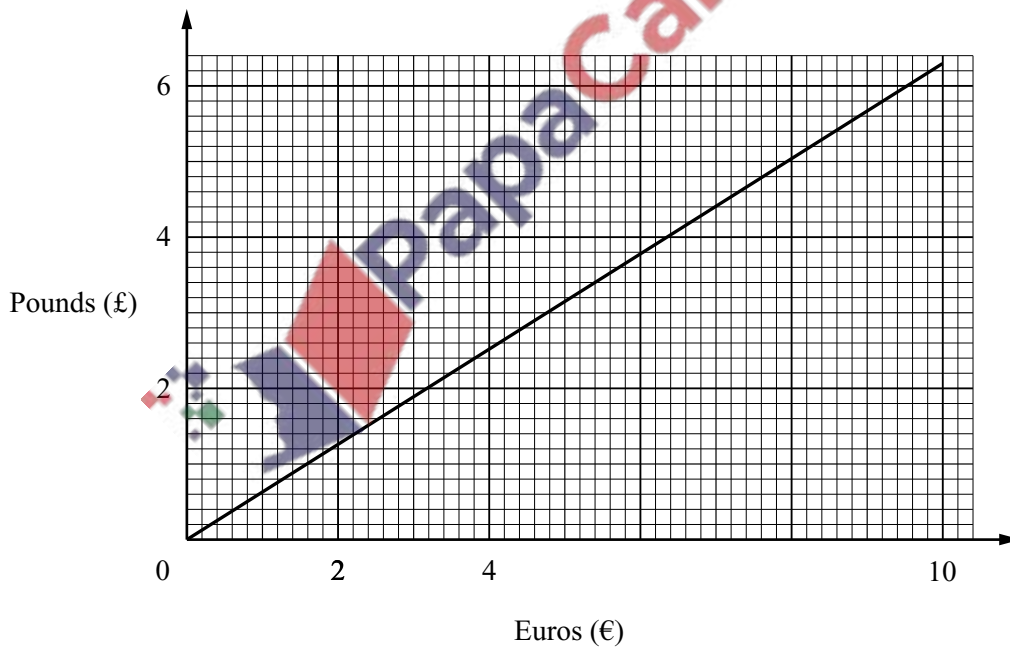
(a) Calculate how much one pound was worth in lire.

Answer (a)lire [2]

(b) Calculate how much one million lire was worth in pounds.

Answer (b)pounds [1]

- 13 The graph below can be used to convert between euros (€) and pounds (£).



(a) Change £5 into euros.

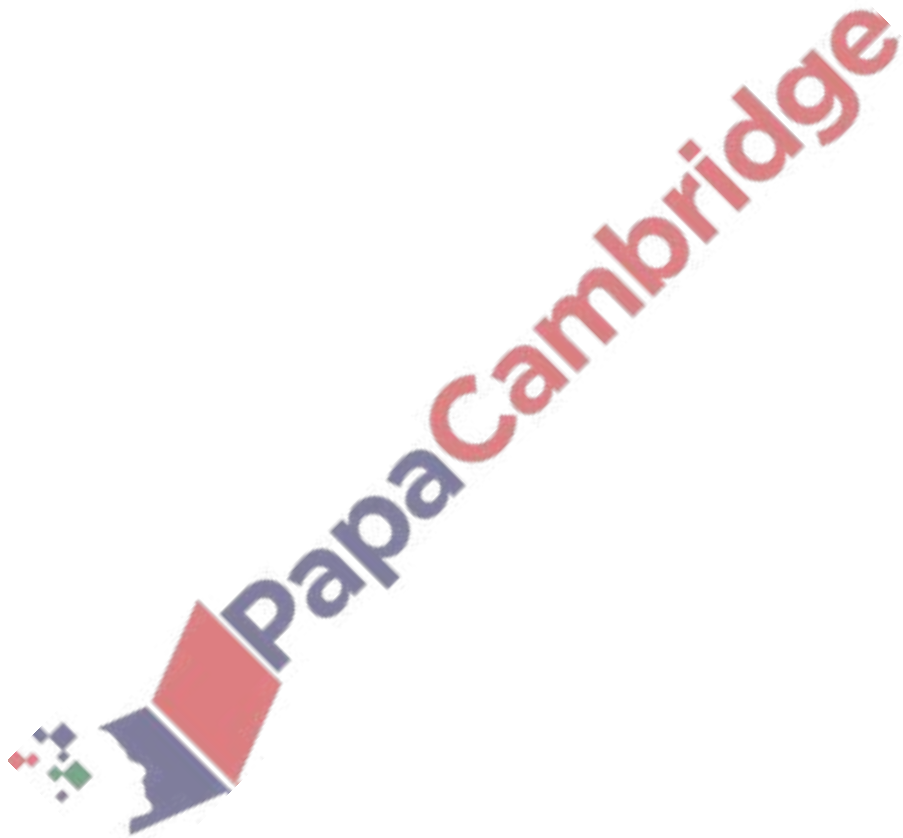
Answer (a) € [1]

(b) Change €90 into pounds.

Answer (b) £ [1]

- 14 Alejandro goes to Europe for a holiday.
He changes 500 pesos into euros at an exchange rate of 1 euro = 0.975 pesos.
How much does he receive in euros? Give your answer correct to 2 decimal places.

Answereuros [2]



15 Jaideep builds a house and sells it for \$450 000.

(a) He pays a tax of 1.5% of the selling price of the house.

Show that he pays \$6750 in tax.

Answer(a)

[1]

(b) \$6750 is 12.5% more than the tax Jaideep paid on the first house he built.

Calculate the tax Jaideep paid on the first house he built.

Answer(b) \$..... [3]

(c) The house is built on a rectangular plot of land, 21 m by 17 m, both correct to the nearest metre.

Calculate the upper bound for the area of the plot.

Answer(c) m² [2]

(d) On a plan of the house, the area of the kitchen is 5.6 cm².
The scale of the plan is 1:200.

Calculate the actual area of the kitchen in square metres.

Answer(d) m² [2]

(e) The house was built using cuboid blocks each measuring 12 cm by 16 cm by 27 cm.

Calculate the volume of one block.

Answer(e) cm³ [2]

(f) Jaideep changes \$12 000 into euros (€) to buy land in another country.
The exchange rate is €1 = \$1.33 .

Calculate the number of euros Jaideep receives.
Give your answer correct to the nearest euro.

Answer(f) €..... [3]

