MEGA LECTURE

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 €1 = $1.9037?
     Write down all the steps in your working.

Answer .... [2]

3 Federico changed 400 euros (€) into New Zealand dollars (NZ$) at a rate of €1 = NZ$ 2.1 .
He spent x New Zealand dollars and changed the rest back into euros at a rate of €1 = 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 S$1= RM2.448 .

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.

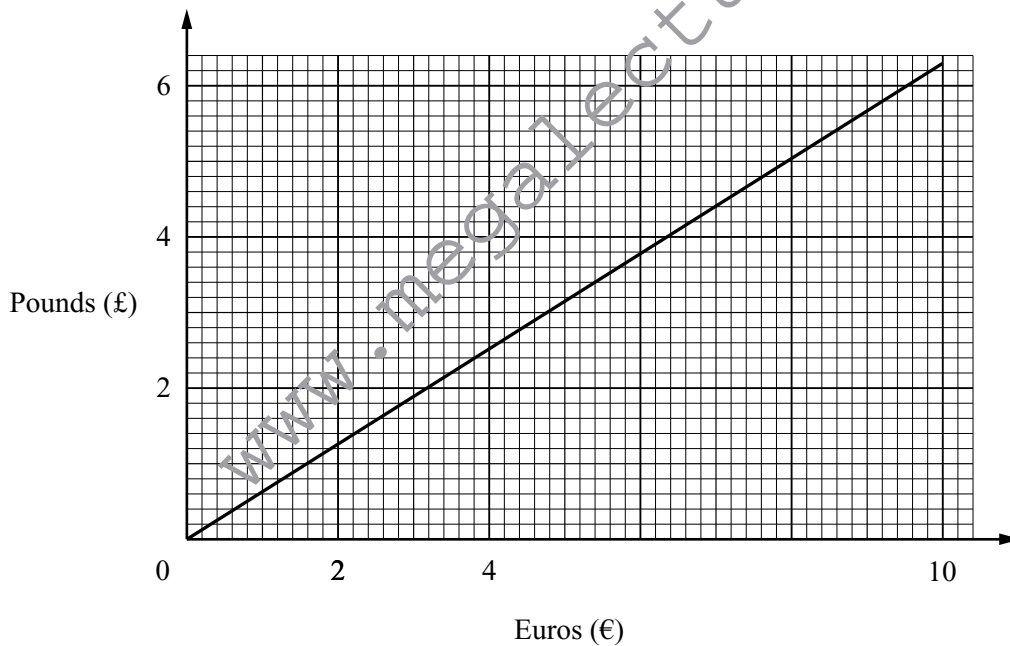**(a)** Calculate how much one pound was worth in lire.

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.

Answer ....euros   [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) .... m^2 [2]

(d) On a plan of the house, the area of the kitchen is 5.6 cm^2.
The scale of the plan is 1: 200.

Calculate the actual area of the kitchen in square metres.

Answer(d) .... m^2 [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) .... cm^3 [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]