MEGA LECTURE

Currency Conversions

Question Paper 1

Level	IGCSE
Subject	Maths (0580)
Exam Board	Cambridge International Examinations (CIE)
Paper Type	Extended
Topic	Number
Sub-Topic	Currency Conversions
Booklet	Question Paper 1

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   Omar changes 2000 Saudi Arabian riyals (SAR) into euros (€) when the exchange rate is €1 = 5.087 SAR.

Work out how much Omar receives, giving your answer correct to the nearest euro.

€ ....[2]

2   James buys a drink for 2 euros (€).

Work out the cost of the drink in pounds (£) when £1 = €1.252 .
Give your answer correct to 2 decimal places.

Answer £ .... [3]

3 Carlos changed $950 into euros (€) when the exchange rate was €1 = $1.368.

Calculate how many euros Carlos received.

Answer €... [2]

4 On a ship, the price of a gift is 24 euros (€) or $30.

What is the difference in the price on a day when the exchange rate is €1 = $1.2378?
Give your answer in dollars, correct to the nearest cent.

Answer $... [3]

_ **5** For her holiday, Alyssa changed 2800 Malaysian Ringgits (MYR) to US dollars ($) when the exchange rate

was 1 MYR = $0.325 .

At the end of her holiday she had $210 left.

(a) How many dollars did she spend?

Answer(a) $.. [2]

(b) She changed the $210 for 750 MYR.

What was the exchange rate in dollars for 1 MYR?

Answer(b) 1 MYR = $.. [1]

6 $1 = 8.2 rand

Change $350 into rands.

Answer .... rand [2]

7 Carlo changed 800 euros (€) into dollars for his holiday when the exchange rate was €1 = \$1.50 .

His holiday was then cancelled.
He changed all his dollars back into euros and he received €750.

Find the new exchange rate.

Answer €1 = \$.. [3]

8 Chris changes \$1350 into euros (€) when €1 = \$1.313

Calculate how much he receives.

Answer €.. [2]

9 The table shows how the dollar to euro conversion rate changed during one day.

Time	1000	1100	1200	1300	1400	1500	1600
$1	€1.3311	€1.3362	€1.3207	€1.3199	€1.3200	€1.3352	€1.3401

Khalil changed $500 into euros (€).

How many more euros did Khalil receive if he changed his money at the highest rate compared to the lowest rate?

Answer €.. [3]

10 Martina changed 200 Swiss francs (CHF) into euros (€).

The exchange rate was €1 = 1.14 CHF.

Calculate how much Martina received.
Give your answer correct to the nearest euro.

Answer €...................................... [3]

11 George and his friend Jane buy copies of the same book on the internet.
George pays \$16.95 and Jane pays £11.99 on a day when the exchange rate is \$1 = £0.626.

Calculate, in dollars, how much more Jane pays.

Answer \$ .... [2]

12 Sheila can pay her hotel bill in Euros (€) or Pounds (£).
The bill was €425 or £365 when the exchange rate was £1 = €1.14 .

In which currency was the bill cheaper?
Show all your working.

Answer .... [2]

13   The train fare from Bangkok to Chiang Mai is 768 baht.
      The exchange rate is £1 = 48 baht.

      Calculate the train fare in pounds (£).

                                            Answer £   ....   [2]

14 A factory produces bird food made with sunflower seed, millet and maize.

   (a) The amounts of sunflower seed, millet and maize are in the ratio

        sunflower seed : millet : maize = 5 : 3 : 1.

      (i) How much millet is there in 15 kg of bird food?

Answer(a)(i) .... kg [2]

      (ii) In a small bag of bird food there is 60 g of sunflower seed.

        What is the mass of bird food in a small bag?

Answer(a)(ii) .... g [2]

   (b) Sunflower seeds cost \$204.50 for 30 kg from Jon's farm or €96.40 for 20 kg from Ann's farm.
The exchange rate is \$1 = €0.718.

      Which farm has the cheapest price per kilogram?
You must show clearly all your working.

Answer(b) .... [4]

(c) Bags are filled with bird food at a rate of 420 grams per second.

How many 20 kg bags can be **completely** filled in 4 hours?

Answer(c) .... [3]

(d) Brian buys bags of bird food from the factory and sells them in his shop for $15.30 each.
He makes 12.5% profit on each bag.

How much does Brian pay for each bag of bird food?

Answer(d) $ .... [3]

(e) Brian orders 600 bags of bird food.

The probability that a bag is damaged is $\dfrac{1}{50}$.

How many bags would Brian expect to be damaged?

Answer(e) .... [1]

15 Gregor changes $700 into euros (€) when the rate is €1 = $1.4131 .

Calculate the amount he receives.

Answer € .... [2]