

Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Exchange Rates and Conversion Graphs

Calculator Allowed

INSTRUCTIONS TO CANDIDATES

- Write your name in the space provided.
- Write your answers in the spaces provided in this question paper.
- Answer ALL questions.
- Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

Total Marks :

1) Shafira went on a trip to New York.

- (a) She changed £800 into dollars (\$) when the exchange rate was £1 = \$1.57.
How many dollars did she receive?

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- (b) In New York she bought a coat for \$199.
Using the same exchange rate, calculate the cost of this coat, giving your answer to the nearest pound.

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2) (a) Geoff changed £1200 into US dollars (\$), when the rate of exchange was £1 = \$1.52.
How many dollars did he get? [2]

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- (b) During his stay, Geoff spent \$1649 altogether. On his return, he changed his remaining dollars back into pounds, at the same exchange rate.
How much did he receive in pounds? [2]

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3)

Ewan is going on holiday to India.

He has saved £450 to exchange for Indian rupees.

- (a) The exchange rate on the internet last week was £1 = 99.40 rupees.
Had Ewan been going on holiday last week, how many rupees could he have bought?
- [2]

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- (b) Ewan exchanges his money on arrival in India. The exchange rate is now £1 = 99.72 rupees.

The exchange bureau only has 500 rupee notes.

Ewan wants to buy as many rupees as possible with his £450 savings.

How much of his £450 will Ewan spend buying rupees?

Give your answer correct to the nearest penny.

You must show all your working.

[illegible]

4)

Sofia had planned to exchange £300 for euros during a visit to the local town one Saturday. She had checked the exchange rate for that day, and found it to be £1 = 1.20 euros.

Unfortunately, she had to cancel her visit to town that day, and it was not until the following Saturday that she was able to exchange her £300 for euros.

By this date the exchange rate was £1 = 1.17 euros.

How many fewer euros did she receive due to this delay?

What percentage loss was caused by this delay?

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5) Sally went on a trip to South Africa.

- (a) Before departing, she exchanged £480 into rand.
The exchange rate was £1 = 13.25 rand.
How many rand did Sally receive?

[2]

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- (b) Before departing, she also paid £52 for a safari tour in South Africa.
This tour would have cost her 795 rand if she had paid for it on the day of the tour.
Using the same exchange rate, calculate the difference in **pounds** between these two prices.

[3]

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7)

Buy your holiday money here	
£1 buys	192.45 Icelandic krona
	100.32 Indian rupees
	53.67 Russian rubles

Use the exchange rates in the table to answer the following questions.

(a) Exchange £350 into Icelandic krona. [2]

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 Icelandic krona

(b) How much money, in £, would be needed to buy 2608.32 Indian rupees? [2]

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(c) Complete the sentence below. [3]

'100 Russian rubles are worth the same amount as Icelandic krona.'

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8) Theo went on holiday to Brunei.

- (a) He changed £950 into Brunei dollars (BND) when the exchange rate was £1 = 2.12 BND.
How many Brunei dollars (BND) did he receive? [2]

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- (b) Whilst on holiday, he went on a trip which cost 180 BND.
What was the cost of the trip, in pounds? [2]

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9) Catrin went on holiday to Brazil.

- (a) She changed £850 into Brazilian Real (R\$) when the exchange rate was £1 = 5.44 R\$.
How many Brazilian Real (R\$) did she receive? [2]

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- (b) Whilst on holiday, she went on a tour which cost 500 R\$.
What was the cost of the tour in pounds? [2]

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10)

Dewi is going on holiday to China.

He has found the following rates for exchanging pounds sterling (£) and Chinese yuan (CYN), at a local exchange bureau.

Buying Chinese yuan (CYN)	£1 buys 9.28 CYN
Selling Chinese yuan (CYN)	9.42 CYN buys £1

The exchange bureau has all the possible sterling coins and notes.

Dewi knows that the exchange bureau only sells and buys CYN notes and that no coins are available or accepted.

The bureau has many of the following CYN notes.



(a) Dewi has £460 to buy Chinese yuan.

Calculate

- the maximum number of CYN Dewi can buy, and
- how much, to the nearest penny, this will cost him.

You must show all your working.

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(b) It would cost Dewi £100 to buy 928 CYN.

Dewi states that he will lose money when he changes any CYN notes back into pounds.

Looking at the information given, how much would Dewi lose in changing 928 CYN back into pounds?

[3]

11)

Lois lives in Llandudno.

She is changing some pounds into other currencies before going on holiday in Europe.

The exchange rates are displayed below.

Exchange £1 for
1.48 SF Swiss francs
1.20 € euros
5.04 Zł Polish zloty

(a) Calculate how much Lois would receive in exchanging each of the following.

(i) £450 exchanged for Swiss francs. [2]

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 Swiss francs

(ii) £300 exchanged for Polish zloty. [2]

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 Polish zloty

(b) How many pounds will Lois have to exchange to receive 363.60 euros? [2]

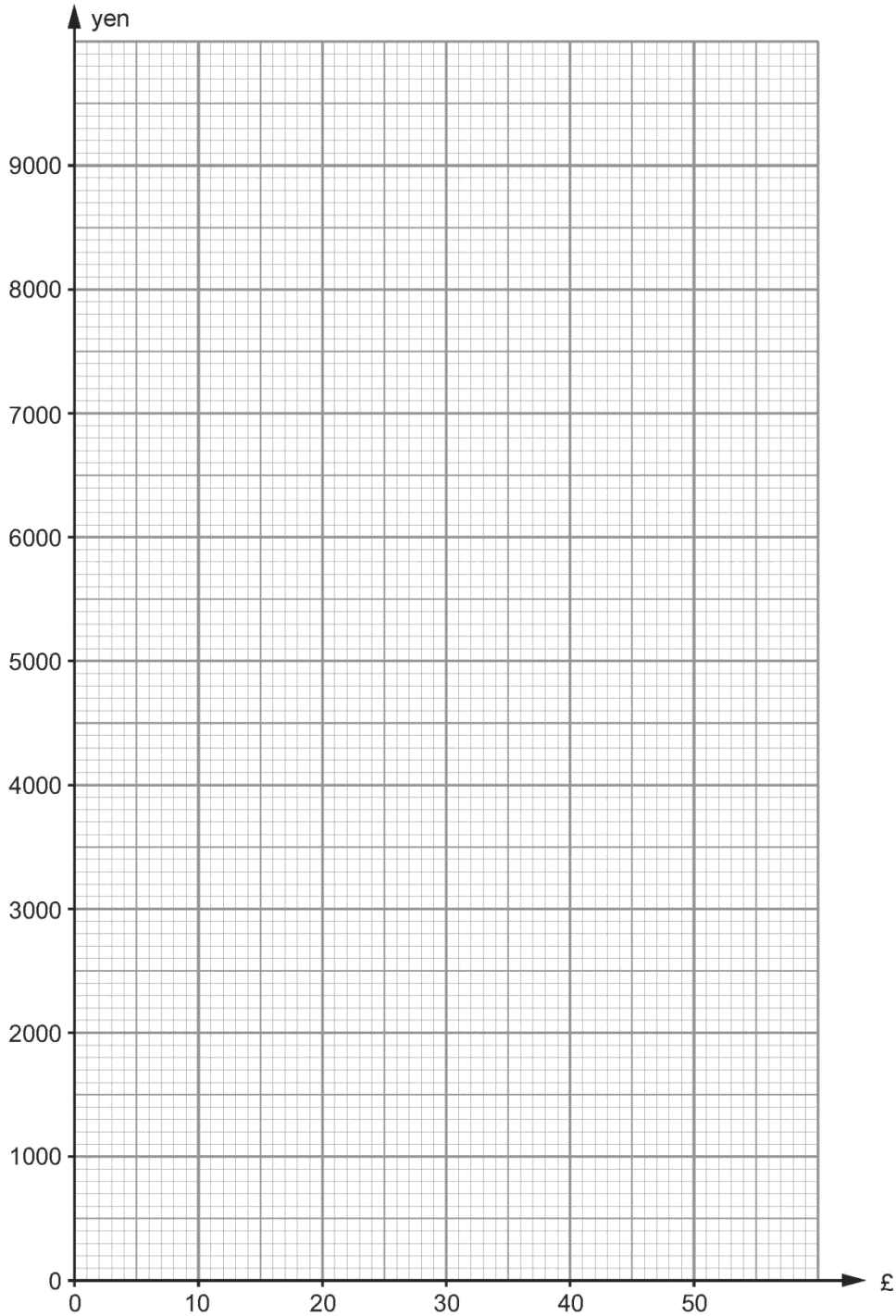
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- 12) Dylan is going on a trip to Japan.
The exchange rate at the time of his trip is $\text{£}1 \equiv 175 \text{ yen}$.

(a) Draw a conversion graph between £ and yen on the graph paper below.
The graph should show the conversion from $\text{£}0$ to $\text{£}50$.

[3]



- (b) Use your graph, or otherwise, to convert 20 000 yen into pounds.
Give your answer correct to the nearest pound.

[2]

13)

The currency in Brazil is known as the Brazilian Real, BRL.

		
Year	Pound (£)	Brazilian Real (BRL)
2010	1	2.86
2014	1	3.71

In 2010, Ava bought £3400 worth of Brazilian Real, BRL.

In 2014, Ava exchanged this money back into pounds.

Did Ava gain or lose money?

State how much money Ava gained or lost, giving your answer correct to the nearest pound.

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14)

The dirham is the unit of currency in the United Arab Emirates.

Exchange bureau

Going on holiday?	£1 buys 5.48 dirham
Selling back your dirham?	£1 for 5.52 dirham

- (i) Lois goes on holiday to Dubai, in the United Arab Emirates.
She takes £350 in cash to buy United Arab Emirates dirham.

On the day she exchanges her money, the bureau has only 5, 10, 20, 50 and 100 dirham notes.

Lois does not intend to spend more than £350, but she wants to buy as many dirham notes as she can with her cash.

How much will Lois have left from her £350 after buying the dirham?
Give your answer to the nearest penny.

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- (ii) Kenny exchanged £1000 for dirham.
He then cancelled his holiday and exchanged all his dirham back to pounds.
How much money did Kenny lose?

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- 15) (i) Before going on holiday, Jessie changed £800 into Canadian dollars (\$).
The exchange rate was £1 = \$1.59.
How many dollars did she receive? [2]

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- (ii) Whilst on holiday she paid \$456 for a lift pass to go snowboarding.
Use the same exchange rate to calculate the value of the lift pass in pounds.
Give your answer to the nearest pound. [3]

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16) Graham and Lisa go on holiday to Copenhagen, Denmark.

- (a) They need to change currency between pounds (£) and the Danish kroner (DKK). They both go into the same currency shop. Graham changes £200 and receives 1800DKK. Lisa changes £300 and receives 2700DKK.

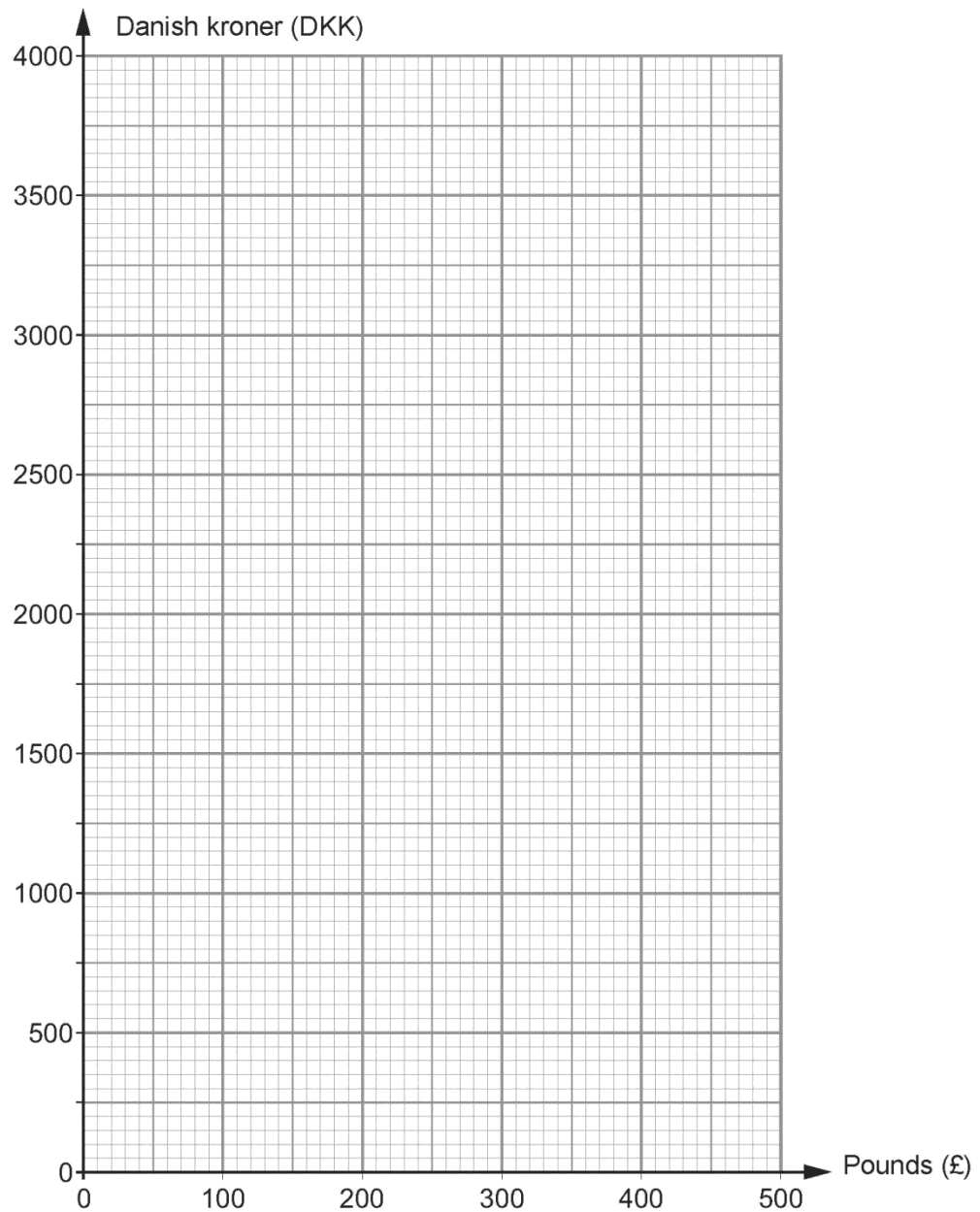
- (i) Draw a conversion graph that can be used to change pounds (£) to Danish kroner (DKK). [2]

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- (ii) Explain how the graph can be used to find how many Danish kroner (DKK) are equivalent to £700.

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Complete the following sentence:

£700 is approximately Danish kroner (DKK)

[2]

- (b) Graham hires a car for the days that they are in Copenhagen.
The cost of hiring the car is £25 for the first day and then £18 for each additional day.
Graham pays £115 for hiring the car.
For how many days do they stay in Copenhagen?
You **must** show all your working.

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17)

Amira and Sian travelled by ship to Ireland for a five-day holiday.

- (a) Amira exchanged £750 into euros before departing.
The exchange rate was £1 = 1.20 euros.
How many euros did Amira receive?

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[2]

- (b) On the first night, they stayed at a hotel in Dublin.
Amira had booked online before departing and had paid £85.
Sian paid 96 euros at the hotel.
Using the same exchange rate, calculate the difference **in pounds** between the amounts they each paid.

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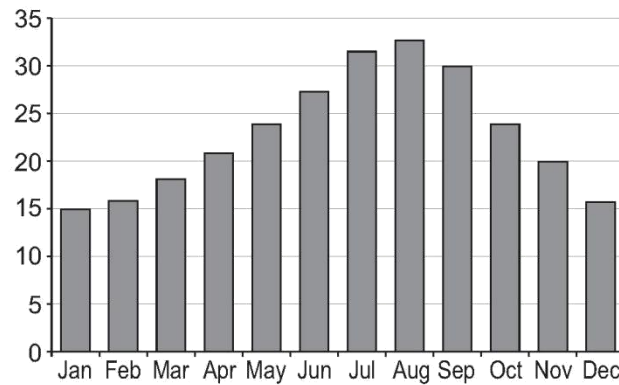
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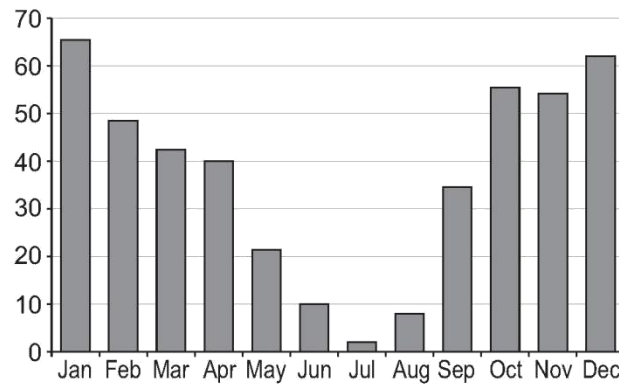
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- 18) (a) A holiday magazine displays the following two graphs.

Average maximum daily temperature ($^{\circ}\text{C}$) in Tunisia



Average monthly rainfall (mm) in Tunisia



- (i) Which month has the highest average monthly rainfall?

[1]

- (ii) Which month would best suit a person going on holiday to Tunisia if they did not want the average maximum daily temperature to be over 25°C but hoped for as little rain as possible?

[1]

- (b) A group of friends went on holiday to Tunisia and hired a car to travel around the country.

The cost of hiring the car (in Tunisian dinars) is given by the formula

$$\text{Hire cost} = 50 \text{ dinars} \times \text{Number of days} + \text{Fixed charge.}$$

How much did they pay in dinars for hiring a car for 5 days if the fixed charge was 85 dinars?

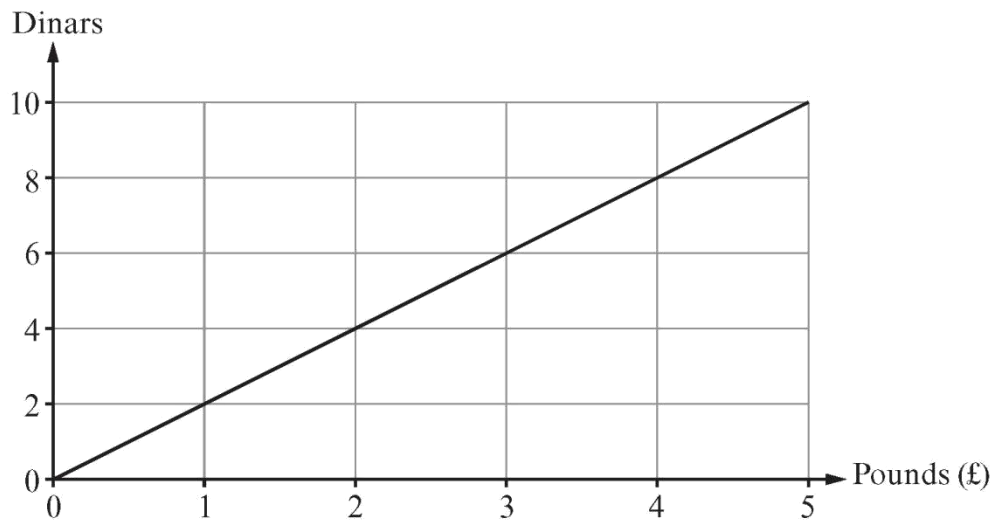
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- (c) One of the group has made a simple conversion graph, shown below, to help them convert pounds (£) into Tunisian dinars.

The group paid a total of 60 dinars for a meal.
Using the conversion graph, calculate how much this would be in pounds (£)?



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