

GCSE QUESTIONS

Q1. NON-CALCULATOR

Rehan is on holiday in the USA.

He has \$200 to spend on clothes.

Rehan buys

1 pair of trainers costing \$60

3 T-shirts costing \$25 each.

He also wants to buy a jacket costing \$80

- (a) Has Rehan got enough money to buy the jacket?
You must show how you get your answer.

(3)

The trainers cost \$60

The exchange rate is \$1 = £0.749

Rehan says,

"The trainers cost less than £40"

Rehan is wrong.

- (b) Using a suitable approximation, show working to explain why.

(2)

(Total for question = 5 marks)

Q2. CALCULATOR ALLOWED

Liz goes on holiday to South Africa.

Liz wants to change £850 into South African rand.
She wants to get as many 200 rand notes as possible.

The exchange rate is £1 = 18.53 rand.

Work out the greatest number of 200 rand notes that Liz can get for £850

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(Total for question = 3 marks)

Q3. CALCULATOR ALLOWED

Three companies sell the same type of furniture.

The price of the furniture from Pooles of London is £1480
The price of the furniture from Jardins of Paris is €1980
The price of the furniture from Outways of New York is \$2250

The exchange rates are

$$£1 = €1.34$$

$$£1 = \$1.52$$

Which company sells this furniture at the lowest price? You must show how you get your answer.

(Total for question is 3 marks)

Q4. CALCULATOR ALLOWED

Gina finds out the price of a CD box set in three different countries.

The price is

£98 in the UK

\$134.99 in the USA

€139.99 in Germany

The exchange rates are

£1 = \$1.43

€1 = £0.73

Gina wants to pay the cheapest price for the box set.

(a) From which country should Gina buy the box set? You must show how you get your answer.

(3)

Gina lives in the UK.

(b) Why might your answer to (a) **not** be the best country for Gina to buy the box set from?

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(1)

(Total for question = 4 marks)

Q5. CALCULATOR ALLOWED

Andy flies from the UK to Japan. His plane ticket costs £554

Andy then flies from Japan to Australia. His plane ticket costs 70 140 Japanese Yen.

The exchange rate is £1 = 140 Japanese Yen.

Leila flies from the UK to Australia. Her plane ticket costs 1860 Australian dollars.

The exchange rate is 1 Australian dollar = £0.62

Who pays more to fly from the UK to Australia, Andy or Leila? You must show clearly how you get your answer.

(Total for question = 4 marks)

Q6. CALCULATOR ALLOWED

Sophia pays £222 for a plane ticket. She also pays 100 euros airport tax.

The exchange rate is £1 = 1.38 euros.

What percentage of the total cost of the ticket and the airport tax does Sophia pay for the airport tax?
Give your answer correct to 1 decimal place.

..... %

(Total for question = 3 marks)

Q7. CALCULATOR ALLOWED

Asif is going on holiday to Turkey. The exchange rate is £1 = 3.5601 lira. Asif changes £550 to lira.

(a) Work out how many lira he should get. Give your answer to the nearest lira.

..... lira

(2)

Asif sees a pair of shoes in Turkey. The shoes cost 210 lira.

Asif does not have a calculator.

He uses £2 = 7 lira to work out the approximate cost of the shoes in pounds.

(b) Use £2 = 7 lira to show that the approximate cost of the shoes is £60

(2)

(c) Is using £2 = 7 lira instead of using £1 = 3.5601 lira a sensible start to Asif's method to work out the cost of the shoes in pounds? You must give a reason for your answer.

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(1)

(Total for question = 5 marks)