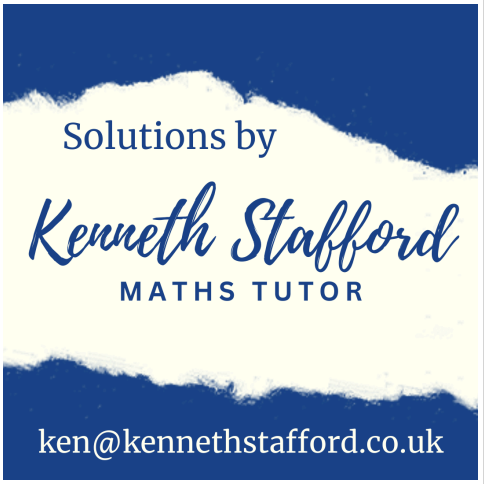
Name: SOLUTIONS

GCSE (1 - 9)

Exchange Rates Currency





These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***Summer 2023*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Summer 2017, Paper 3F, Q14
2	Edexcel, GCSE, Autumn 2017, Paper 3F, Q20
3	Edexcel, GCSE, Summer 2019, Paper 3F, Q21
4	Edexcel, GCSE, Autumn 2019, Paper 1F, Q12
5	Edexcel, GCSE, Summer 2022, Paper 2F, Q27

1

Andy went on holiday to Canada.
His flights cost a total of £1500

Andy stayed for 14 nights.
His hotel room cost $196 per night.

Andy used wifi for 12 days.
Wifi cost $5 per day.

The exchange rate was $1.90 to £1

(a) Work out the total cost of the flights, the hotel room and wifi.
Give your answer in pounds.

196 x 14 = $2744

5 x 12 = $60

$2744 + $60 = $2804

$2804 ÷ 1.9 = £1475.79

1475.79 + 1500 = £2975.79

£ 2975.79

(5)

(b) If there were fewer dollars to £1, what effect would this have on the total cost, in pounds, of Andy's holiday?

It would cost him more.

(1)

(Total for Question 14 is 6 marks)

[Edexcel, GCSE, Summer 2017, Paper 3F, Q14]

2

In London, 1 litre of petrol costs 108.9p
In New York, 1 US gallon of petrol costs $2.83

1 US gallon = 3.785 litres
£1 = $1.46

In which city is petrol better value for money, London or New York?
You must show your working.

New York

1 gallon = 3.785 litres = $2.83

3.785 litres = £1.94 (÷ 1.46)

London

1 litre = 108.9p

3.785 litres = £4.12 (× 3.785, ×3785)

New York is cheaper.

(Total for Question 20 is 3 marks)

[Edexcel, GCSE, Autumn 2017, Paper 3F, Q20]

3

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

850 × 18·53 = 15,750·5 rand

15,750·5 ÷ 200 = 78·7525

78

(Total for Question 21 is 3 marks)

[Edexcel, GCSE, Summer 2019, Paper 3F, Q21]

4

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.

$60 + 3 \times 25 + 80 = 215$

No. He does not.

(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.

$\approx 0.75 \times 60$

$\frac{3}{4}$ of $60 = 45$

$45 > 40$

(2)

(Total for Question 12 is 5 marks)

[Edexcel, GCSE, Autumn 2019, Paper 1F, Q12]

5

In Spain, Sam pays 27 euros for 18 litres of petrol.
In Wales, Leo pays £40.80 for 8 gallons of the same type of petrol.

1 euro = £0.85
4.5 litres = 1 gallon

Sam thinks that petrol is cheaper in Spain than in Wales.

Is Sam correct?
You must show how you get your answer.

Spain

1 euro = £0.85 (x27)
27 euros = £22.95 (x27)

18 litres = £22.95

Wales

1 gallon = 4.5 Litres (x8)
8 gallons = 36 Litres (x8)

36 Litres = £40.80 (÷2)
18 litres = £20.40 (÷2)

No. Petrol is cheaper in Wales

(Total for Question 27 is 4 marks)

[Edexcel, GCSE, Summer 2022, Paper 2F, Q27]