R19 Exchanging money

OCR

(b) Pierre and Alice are each paid the same amount for each hour they work.

Pierre is paid £240. He works for $\frac{4}{5}$ of the time Alice works.

How much is Alice paid?

(b) £ ..... **[2]**

(c) Pierre changes £250 into euros.
£1 is worth 1.26 euros.

How many euros does he receive?

(c) ..... euros **[2]**

(b) Pierre and Alice are each paid the same amount for each hour they work.

Pierre is paid £240. He works for $\frac{4}{5}$ of the time Alice works.

How much is Alice paid?

$\frac{4}{5} = £240$ ÷4 → $\frac{1}{5} = £60$ ÷4

$\frac{5}{5} = £60 \times 5$

(b) £ £300 **[2]**

(c) Pierre changes £250 into euros.
£1 is worth 1.26 euros.

How many euros does he receive?

£1 = €1.26 ×250 → £250 = €315

(c) 315 euros **[2]**

Video created by W Neill

8 **(a)** Harry needs dollars to go on holiday.
He can buy $50 for £40.

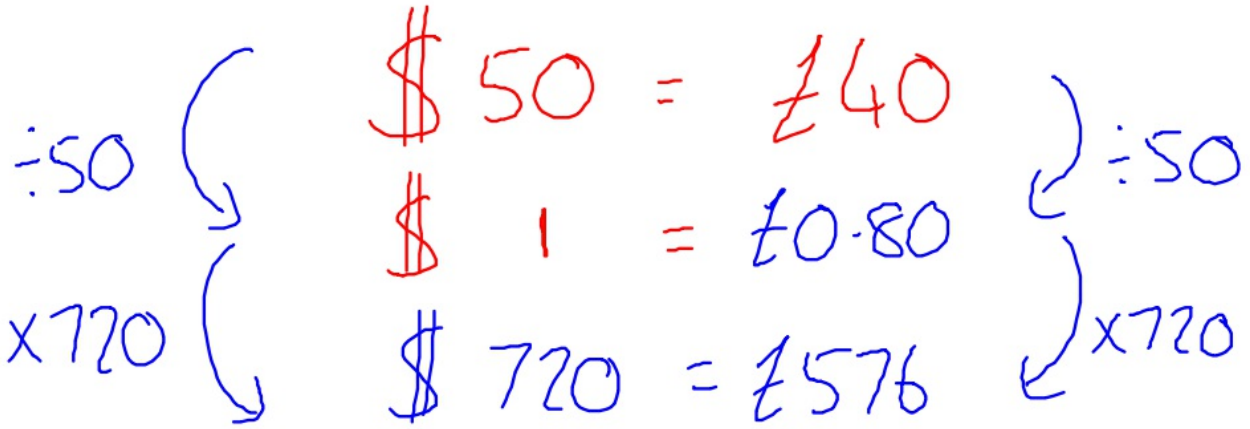
How much will $720 cost at the same rate?

(a) £ ..... **[2]**

Video created by W Neill

8 **(a)** Harry needs dollars to go on holiday.
He can buy $50 for £40.

How much will $720 cost at the same rate?



(a) £ 576 **[2]**

Video created by W Neill

(b) Tony returns from holiday with these notes.

Note	Number of notes
€50	2
€20	4
€10	9
€5	12

The exchange rate is £1 = €1.17.

Work out how much he will get in total when he changes these notes.

(b) £ ..... **[4]**

Video created by W Neill

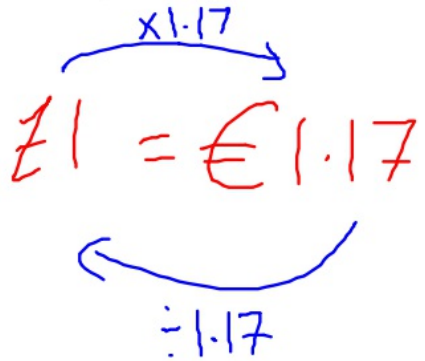
(b) Tony returns from holiday with these notes.

Note	Number of notes
€50	2
€20	4
€10	9
€5	12

= €100
= €80
= €90
= €60
} €330

The exchange rate is £1 = €1.17.

Work out how much he will get in total when he changes these notes.



€330 ÷ 1·17

(b) £ 282·05 ✓ **[4]**

3 Louiza changes £320 into euros.
£1 is worth 1.14 euros.

How many euros does she receive?

..... euros **[2]**

3 Louiza changes £320 into euros.
£1 is worth 1.14 euros.

How many euros does she receive?

£1 = €1.14

x320 ↓ ↓ x320

£320 =

364.80 ..... euros **[2]**

Edexcel

18 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 18 is 4 marks)

18 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.

Andy → £554

Japan → Australia = 70 140 yen

£1 = 140 yen (×501)

£501 = 70 140 (×501)

Andy pays 554 + 501 = £1055

Leila

$1 = £0.62 (×1860)

$1860 = £1153.20 (×1860)

Leila pays the most money

£1153.20 > £1055

(Total for Question 18 is 4 marks)

Video created by W Neill

18 Identical trainers are sold in London, in New York and in Dubrovnik.

The table shows the price of the trainers in each city.

R18
R19

London	New York	Dubrovnik
£100	$132	1000 kuna

The exchange rates are

£1 = $1.38 £1 = 8.42 kuna

Where are the trainers the best value for money, in London or in New York or in Dubrovnik?
You must show how you get your answer.

.....

Video created by W Neill

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R18
R19

London	New York	Dubrovnik
£100	$132	1000 kuna

The exchange rates are

£1 = $1.38 (×1.38)

£1 = 8.42 kuna (×8.42)

(÷1.38) (÷8.42)

Where are the trainers the best value for money, in London or in New York or in Dubrovnik?
You must show how you get your answer.

Ans

New York is best value for money.

London

£100

NY

$132 ÷ 1.38 =

£95.65

Dub

1000 Kuna ÷ 8.42

= £118.76

Video created by W Neill

23 In London, 1 pint of milk costs 58p.
In Paris, 1 litre of milk costs 1.05 euros.

R18
R19

1 litre = 1.76 pints
£1 = 1.17 euros

In which city is the milk better value for money, London or Paris?
You must show your working.

(Total for Question 23 is 3 marks)

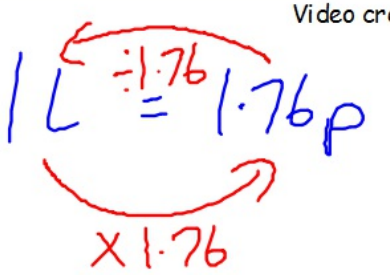
Video created by W Neill

23 In London, 1 pint of milk costs 58p.
In Paris, 1 litre of milk costs 1.05 euros.

R18
R19

1 litre = 1.76 pints
£1 = 1.17 euros

In which city is the milk better value for money, London or Paris?
You must show your working.



London = 58p

Paris 1L = 1.76 pints

1.76 pints = €1.05 ÷1.76

1 pint = €0.5965 ÷1.17

£0.509 ≈ £0.51

÷1.76

Paris is better

£0.51 < £0.58

(Total for Question is 3 marks)

Video created by W Neill

14 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.

£.....

(5)

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

.....

(1)

Video created by W Neill

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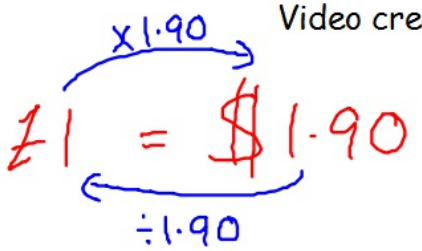

(a) Work out the total cost of the flights, the hotel room and wifi.
Give your answer in pounds.

Hotel room
$2744 = £1444.21
÷1.90

Wifi
$60 = £31.58
÷1.9

flights
£1500

Total

£ 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?

The cost of holiday would rise.

(1)

20 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.

(Total for Question 20 is 3 marks)

20 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.

London

1 Litre = £1.089

x3.785 → 1 gallon = £4.121 ← 3.785

New York

1 US gallon = $2.83

x1.46

£1 → $1.46

USA is better value ✓

£4.121 x 1.46 =

$6.02

(Total for Question 20 is 3 marks)

AQA