

GCSE - Numeracy and Mathematics

Topic: Exchange rates

Tier: Intermediate

Grade:

D/C



Starter

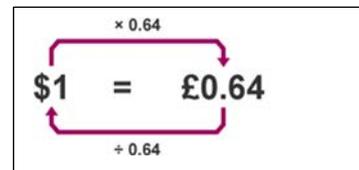
If £1 = \$1.5 would you prefer £300 or \$300. Why?

Top Tips!

Awgrymiadau!

- Take care when deciding whether to multiply or divide!
- Use arrows to help
- Multiply to go from the value 1

e..g multiply in this example to go from \$ to £



Skills:

Country	Exchange rate value of £1
Australia	\$2.45
Europe	€1.15
South Africa	18.25 Rand

Use the information in the table to calculate how many:

1. South African Rand is equivalent to £180?
2. Pounds (£) are equivalent to € 800 (euro)
3. Euros are equivalent to \$300 (Australian dollars)

Examination Question:

2012 November Linear P2 Higher Qu 4

Kate lives in the UK. She goes on holiday to Paris with two friends, Janie who lives in America and Ami who lives in Japan. They meet in London for a few days and then fly to Paris together. Janie exchanges 450 American dollars to pounds and Ami exchanges 30 000 Japanese yen to pounds. In London, Janie and Ami each spend £100 and exchange their remaining money to euros. Kate also exchanges £250 to euros.

£1 = 129.82 yen Japan
£1 = 1.57 doler America
£1 = 1.18 ewro

Use the exchange rates shown above to calculate how many euros in total the three girls take to Paris. You must explain each step of your calculations and show all your working. [6+2]

Assessment for Learning

Video / QR code



Starter

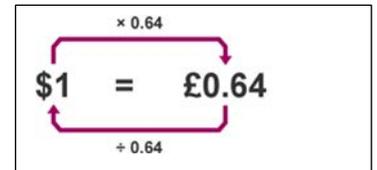
If £1 = \$1.5 would you prefer £300 or \$300. Why?

£300 because: £300 x 1.5 = \$ 450

Top Tips!

- Take care when deciding whether to multiply or divide!
- Use arrows to help
- Multiply to go from the value 1

e.g multiply in this example to go from \$ to £



Skills:

Country	Exchange rate value of £1
Australia	\$2.45
Europe	€1.15
South Africa	18.26 Rand

Use the information in the table to calculate how many:

1. South African Rand is equivalent to £180?

£180 x 18.7 = 3366 rand

2. Pounds (£) are equivalent to €800 (euro)

€800 ÷ 1.15 = £695.65

3. Euros are equivalent to \$300 (Australian dollars)

\$300 ÷ 2.45 = £122.45

£122.45 x 1.15 = €140.82

Examination Question:

2012 November Linear P2 Higher Qu 4

Kate lives in the UK. She goes on holiday to Paris with two friends, Janie who lives in America and Ami who lives in Japan. They meet in London for a few days and then fly to Paris together. Janie exchanges 450 American dollars to pounds and Ami exchanges 30 000 Japanese yen to pounds. In London, Janie and Ami each spend £100 and exchange their remaining money to euros. Kate also exchanges £250 to euros.

£1 = 129.82 yen Japan
£1 = 1.57 doler America
£1 = 1.18 ewro

Use the exchange rates shown above to calculate how many euros in total the three girls take to Paris. You must explain each step of your calculations and show all your working. [6+2]

Janie: 450 doler ÷ 1.57 = £286.62 - £100 = £186.62

Ami: 30 000 ÷ 129.82 = £231.09 - £100 = £131.09

£250 + £186.62 + £131.09 = £567.71

Total of euros : £567.71 x 1.18 = 669.90 euro

Assessment for Learning

Video / QR code

