



QT Exchange rates

1. George goes on holiday to Italy. The exchange rate is £1 = €1.15.

He changes £400 into Euros (€).

(a) Calculate how many Euros (€) George receives.

(b) When George returns from holiday he changes €169 back into pounds. The exchange rate is now £1 = €1.18. Calculate how many pounds (£), to the nearest penny, George receives.

$$\begin{array}{l} \text{(a)} \quad \text{£} : \text{€} \\ \quad \quad 1 : 1.15 \\ \times 400 \quad \left(\begin{array}{l} 400 : 460 \end{array} \right) \\ \hline \text{€ } \underline{\underline{460}} \end{array}$$

$$\begin{array}{l} \text{(b)} \quad \text{£} : \text{€} \\ \quad \quad 1 : 1.18 \\ \left. \begin{array}{l} 143.22 : 169 \end{array} \right) \div 143.22 \\ \hline \text{£ } \underline{\underline{143.22}} \end{array}$$

2. Carys goes on holiday to America. The exchange rate is £1 = \$1.38.

He changes £450 into dollars (\$)

(a) Calculate how many dollars (\$) Carys receives.

(b) When Carys returns from holiday she changes \$130 back into pounds. The exchange rate is now £1 = \$1.45. Calculate how many pounds (£), to the nearest penny, Carys receives.

$$\begin{array}{l} \text{(a)} \quad \text{£} : \$ \\ \quad \quad 1 : 1.38 \\ \times 450 \quad \left(\begin{array}{l} 450 : 621 \end{array} \right) \\ \hline \text{\$ } \underline{\underline{621}} \end{array}$$

$$\begin{array}{l} \text{(b)} \quad \text{£} : \$ \\ \quad \quad 1 : 1.45 \\ \left. \begin{array}{l} 89.66 : 130 \end{array} \right) \\ \hline \text{£ } \underline{\underline{89.66}} \end{array}$$



3. Josh is on holiday in Australia. He spends \$39 on a cuddly koala toy, as a souvenir. The exchange rate is £1 = \$1.84. Calculate how much Josh spent in pounds.

$$\begin{array}{l} \text{£} : \$ \\ 1 : 1.84 \\ 21.20 : 39 \end{array}$$
$$\text{£ } \underline{\underline{21.20}}$$

4. Laiba bought a new hoodie while on holiday in Turkey. She paid 249 Turkish lira. The same hoodie in the UK is £24.99. The exchange rate is £1 = 12.01 Turkish lira.

Is the hoodie cheaper in Turkey or in the UK?

You must show your working.

$$\begin{array}{l} \text{£} : \text{T.L.} \\ 1 : 12.01 \\ 20.73 : 249 \end{array}$$

Turkey is cheaper £20.73



5. A new watch costs ¥21000 in Japan. The same watch costs £169.99 in the UK. The exchange rate is £1 = ¥153.48.

Is the watch cheaper in Japan or in the UK?

You must show your working.

$$\begin{array}{l} \text{£} : \text{¥} \\ 1 : 153.48 \\ 136.53 : 21000 \end{array}$$

Cheaper in Japan
£ 136.53

6. The exchange rate in London is £1 = 19.71 South African Rand.

The exchange rate in Cape Town is one South African Rand to £0.05.

Lauren wants to change some pounds in South African Rand.

In which of these cities would Lauren get the most South African Rand?

You must show your working.

London.

$$\begin{array}{l} \text{£} : \text{R} \\ 1 : 19.71 \\ \times 1000 \quad \left(\begin{array}{l} 1000 : 19,710 \end{array} \right. \end{array}$$

Cape Town.

$$\begin{array}{l} \text{R} : \text{£} \\ 1 : 0.05 \\ \left. \begin{array}{l} 20,000 : 1000 \end{array} \right)$$

Lauren would more
SA Rand in Cape Town.



7. In Sweden a new canal boat costs 750,000 Swedish krona. In Denmark the same canal boat costs 598,000 Danish krone.

The exchange rates are:

Sweden £1 = 11.85kr

and

Denmark £1 = 8.68kr

Calculate the difference between the cost of the boat in Sweden and Denmark.

Give your answer in pounds to the nearest penny.

$$\begin{array}{l} \text{Sweden} \\ \text{£} : \text{kr} \\ 1 : 11.85 \\ \text{£} 63,291.14 : 750,000 \end{array} \quad \begin{array}{l} \text{Denmark} \\ \text{£} : \text{kr} \\ 1 : 8.68 \\ \text{£} 68,894.00 : 598,000 \end{array}$$
$$\text{Difference } 68,894 - 63,291.14 = \underline{\underline{\text{£} 5,602.86}}$$

8. Ahmed is travelling from France to Egypt. He wants to book a flight that costs €465

(Euros), and a hotel that costs 750E£ (Egyptian pounds) per night, for 7 nights. €€5250

The exchange rates are:

£1 = €1.16

€1 = 18.53E£

Ahmed has a budget of £600.

Calculate if Ahmed has enough money in his budget.

$$\begin{array}{l} \text{Flight} \\ \text{£} : \text{€} \\ 1 : 1.16 \\ \underline{\underline{\text{£} 400.86}} : 465 \end{array} \quad \begin{array}{l} \text{Hotel} \\ \text{€} : \text{E£} \\ 1 : 18.53 \\ \text{€} 283.32 : 5250 \end{array} \quad \begin{array}{l} \text{Total} \\ \text{Flight} \quad 400.86 \\ \text{Hotel} \quad 244.44 \\ \hline \text{£} 645.10 \end{array}$$
$$\begin{array}{l} \text{£} : \text{€} \\ 1 : 1.16 \\ \underline{\underline{\text{£} 244.44}} : 283.32 \end{array}$$

Ahmed needs an additional £45.10