

Worked Example

A hat costs €45 in France and £39.99 in England. The exchange rate is £1 = €1.12.

Convert the euro price to pounds and decide which is cheaper.

€ $\rightarrow$ £ using £1 = €1.12: £ = € $\div$ 1.12

£(France) = $45 \div 1.12 = £40.18$ (to 2 d.p.)

Compare: £40.18 (France) vs £39.99 (England) $\rightarrow$ England is cheaper by £0.19.

Questions

Q1) Trainers: France €68 vs UK £57.99. Exchange rate: £1 = €1.17. Which is cheaper?

Q2) Headphones: USA \$120 vs UK £92. Exchange rate: £1 = \$1.30. Which is cheaper?

Q3) Museum family ticket: Spain €42 vs UK £35.50. Exchange rate: £1 = €1.15. Which is cheaper?

Q4) Backpack: Germany €79.90 vs UK £67.50. Exchange rate: £1 = €1.19. Which is cheaper?

Q5) Theme park ticket: USA \$85 vs UK £64.99. Exchange rate: £1 = \$1.25. Which is cheaper?

Q6) Football shirt: Italy €95 vs UK £79. Exchange rate: £1 = €1.16. Which is cheaper?

Q7) Hotel night: Paris €128 vs London £105. Exchange rate: £1 = €1.21. Which is cheaper?

Q8) Laptop sleeve: USA \$49.99 vs UK £38.50. Exchange rate: £1 = \$1.27. Which is cheaper?

Q9) Restaurant meal: Portugal €18.50 vs UK £15.75. Exchange rate: £1 = €1.18. Which is cheaper?

Q10) Sports watch: USA \$159 vs UK £126. Exchange rate: £1 = \$1.32. Which is cheaper?

Q1

Rate: £1 = €1.17 » convert foreign to pounds by dividing.

$$€68.00 \div 1.17 = £58.12$$

Compare: £58.12 (abroad) vs £57.99 (UK)

Cheaper: B (UK) by £0.13

Q2

Rate: £1 = \$1.30 » convert foreign to pounds by dividing.

$$\$120.00 \div 1.3 = £92.31$$

Compare: £92.31 (abroad) vs £92.00 (UK)

Cheaper: B (UK) by £0.31

Q3

Rate: £1 = €1.15 » convert foreign to pounds by dividing.

$$€42.00 \div 1.15 = £36.52$$

Compare: £36.52 (abroad) vs £35.50 (UK)

Cheaper: B (UK) by £1.02

Q4

Rate: £1 = €1.19 » convert foreign to pounds by dividing.

$$€79.90 \div 1.19 = £67.14$$

Compare: £67.14 (abroad) vs £67.50 (UK)

Cheaper: A (abroad) by £0.36

Q5

Rate: £1 = \$1.25 → convert foreign to pounds by dividing.

$$\$85.00 \div 1.25 = \text{£}68.00$$

Compare: £68.00 (abroad) vs £64.99 (UK)

Cheaper: B (UK) by £3.01

Q6

Rate: £1 = €1.16 → convert foreign to pounds by dividing.

$$€95.00 \div 1.16 = \text{£}81.90$$

Compare: £81.90 (abroad) vs £79.00 (UK)

Cheaper: B (UK) by £2.90

Q7

Rate: £1 = €1.21 → convert foreign to pounds by dividing.

$$€128.00 \div 1.21 = \text{£}105.79$$

Compare: £105.79 (abroad) vs £105.00 (UK)

Cheaper: B (UK) by £0.79

Q8

Rate: £1 = \$1.27 → convert foreign to pounds by dividing.

$$\$49.99 \div 1.27 = \text{£}39.36$$

Compare: £39.36 (abroad) vs £38.50 (UK)

Cheaper: B (UK) by £0.86

Q9

Rate: £1 = €1.18 » convert foreign to pounds by dividing.

$$€18.50 \div 1.18 = £15.68$$

Compare: £15.68 (abroad) vs £15.75 (UK)

Cheaper: A (abroad) by £0.07

Q10

Rate: £1 = \$1.32 » convert foreign to pounds by dividing.

$$\$159.00 \div 1.32 = £120.45$$

Compare: £120.45 (abroad) vs £126.00 (UK)

Cheaper: A (abroad) by £5.55