

Exchange Rates - Notes and Steps



Key idea

An exchange rate says what 1 unit of money is worth in another currency.

Multiply to go into foreign money; **divide** to come back.

Convert to foreign

1 NZD = 0.80 EUR.

NZD 75 $\rightarrow$ $75 \times 0.80 =$ EUR 60.

Convert back to NZD

1 NZD = 110 JPY.

JPY 3300 $\rightarrow$ $3300 \div 110 =$ NZD 30.

Common mistake

Using the rate the wrong way.

1 NZD = 0.60 USD means NZD

100 = USD 60, **not** 160.

Sharing in a Ratio - Notes and Steps



Key idea

To share a total in a ratio: **add** the parts, **divide** the total by the number of parts, then **multiply** for each share.

Share in a ratio

Share 35 in 2 : 5.

Parts $2+5 = 7$; each part $35 \div 7 = 5$.

Shares: $2 \times 5 = 10$ and $5 \times 5 = 25$.

Recipe ratio

Juice : water = 1 : 4 in 2.5 L.

Parts $1 + 4 = 5$; each part $2.5 \div 5 = 0.5$ L.

Juice is 1 part = 0.5 L.

Common mistake

Add **all** the parts first. In 2 : 5 the total is 7 parts, not 5.

