

Sharing in a ratio

WHAT THIS LESSON TEACHES

A **ratio** compares two quantities — for every X of the first there are Y of the second. We write it as **X : Y**.

→ A salad has 2 spoons of oil for every 3 spoons of vinegar — ratio **2 : 3**.

→ **1 : 4** means '1 of every 5 parts is the first thing'.

MODEL THIS ON THE BOARD

SHARE €30 IN THE RATIO 2 : 3

- ① Add the parts: $2 + 3 = 5$ **equal shares** in total.
- ② Divide €30 by 5 to find one share: $30 \div 5 = \text{€}6$.
- ③ First person gets 2 shares: $2 \times \text{€}6 = \text{€}12$. Second gets 3 shares: $3 \times \text{€}6 = \text{€}18$.

ANSWER KEY

a) Each part = €4; shares = **€8 and €12**.

Q2: $5 + 10 + 20$

b) Each part = 3 sweets; shares = **9 and 12**.

Q3: $\text{€}20 + \text{€}30 + \text{€}50$

c) Each part = €8; shares = **€8 and €40**.

Q4: $\text{€}18 + \text{€}27 + \text{€}45$

Q1: $12 + 60$

EXTENSION SHEET · STRETCH ANSWERS

S1: $\text{€}24 + \text{€}36 + \text{€}60$

S3: $20 + 50$

S2: $9 + 45$