

Solutions

Marking: **M1** a correct method, **A1** the correct answer.

Each answer shows the steps, then the **result**.

2.1

- divide both by the HCF, 15

$$45 : 60 = \mathbf{3 : 4}$$

2.2

- total parts = $5 + 7 = 12$, so one part = $240 \div 12 = \$20$

$$\mathbf{\$100 \text{ and } \$140}$$

2.3

- one book costs $31.50 \div 7 = \$4.50$

$$4 \times 4.50 = \mathbf{\$18.00}$$

3.1

(a)

- rice per person = $450 \div 6 = 75 \text{ g}$

$$10 \times 75 = \mathbf{750 \text{ g}}$$

(b)

- $600 \div 75$

$$= \mathbf{8 \text{ people}}$$

3.2

(a)

- blue is 5 parts, so one part = $45 \div 5 = 9$ counters
- total parts = $3 + 5 + 4 = 12$

$$12 \times 9 = \mathbf{108}$$

(b)

- the difference is $4 - 3 = 1$ part

$$1 \times 9 = \mathbf{9 \text{ more green}}$$