## Solutions

Marking: **M1** a correct method, **A1** the correct answer, **B1** an independent mark.

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

**2.1**

- $4.2 \times 1000 = \mathbf{4200}$ m

**2.2**

- $385 \div 10 = \mathbf{38.5}$ cm

**2.3**

- $3.6 \times 1000 = \mathbf{3600}$ g
- $750 \div 1000 = \mathbf{0.75}$ kg

**2.4**

- $5 \times 10\,000 = \mathbf{50\,000}$ cm$^2$

**2.5**

- $2400 \div 1000 = \mathbf{2.4}$ litres

**3.1**

- in metres: 350, 34, 345, 36
- **3400 cm**, **36 000 mm**, **345 m**, **0.35 km**

**3.2**

(a)

- $60 \times 30 \times 40 = \mathbf{72\,000}$ cm$^3$

(b)

- $72\,000 \div 1000 = \mathbf{72}$ litres

(c)

- $72 \div 2.5 = 28.8$
- 28 is not enough, so **29** buckets

**3.3**

- 2 kg = 2000 g
- $2000 \div 180 = 11.1\ldots$, so **11** cakes
- $2000 - 11 \times 180 = \mathbf{20}$ g left

**3.4**

(a)

- $12 \times 0.8 = \mathbf{9.6}$ m$^2$

(b)

- depth 5 cm = 0.05 m
- $9.6 \times 0.05 = \mathbf{0.48}$ m$^3$

(c)

- 0.48 m$^3$ = 480 000 cm$^3$ = 480 litres; $480 \div 25 = 19.2$
- **20** bags