

Solutions

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

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

2.1

- $63\,000 = \mathbf{6.3 \times 10^4}$

2.2

- $0.0045 = \mathbf{4.5 \times 10^{-3}}$

2.3

- $2.7 \times 10^{-3} = \mathbf{0.0027}$

3.1

- $4 \times 2.5 = 10$ and $10^6 \times 10^{-3} = 10^3$
- $10 \times 10^3 = 1 \times 10^4$
- $\mathbf{1 \times 10^4}$ — the front must lie between 1 and 10

3.2

- $8 \div 2 = 4$ and $10^5 \div 10^2 = 10^3$
- $\mathbf{4 \times 10^3}$

3.3

- $3 \times 10^4 = 30\,000$ and $5 \times 10^3 = 5\,000$
- $35\,000 = \mathbf{3.5 \times 10^4}$