



ERRATA

MATHEMATICS FOR THE INTERNATIONAL STUDENT MATHEMATICAL STUDIES SL third edition - WORKED SOLUTIONS

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The following errata were made on 6/Dec/2016

page 23 **EXERCISE 2E.3** question **5 e**, should read:

$$\begin{array}{ll} \mathbf{5} \quad \mathbf{e} \quad \sqrt{0.023} \approx 0.151\,657\,509 & \mathbf{f} \quad (0.132)^4 \approx 0.000\,303\,596 \\ & \approx 0.152 \quad (3 \text{ s.f.}) \quad \approx 0.000\,304 \quad (3 \text{ s.f.}) \\ & \{\text{Round up, as } 6 > 5\} \quad \{5 \text{ is rounded up}\} \end{array}$$

page 23 **EXERCISE 2E.3** question **7 c**, should read:

$$\begin{array}{ll} \mathbf{7} \quad \mathbf{a} \quad 3.995 \times 10^{13} \approx 4.00 \times 10^{13} \quad (3 \text{ s.f.}) \quad \{5 \text{ is rounded up}\} \\ \mathbf{b} \quad 2.592 \times 10^7 \approx 2.59 \times 10^7 \quad (3 \text{ s.f.}) \quad \{\text{Round down, as } 2 < 5\} \\ \mathbf{c} \quad 7.08\overline{3} \times 10^{-9} \approx 7.08 \times 10^{-9} \quad (3 \text{ s.f.}) \quad \{\text{Round down, as } 3 < 5\} \end{array}$$

page 23 **EXERCISE 2E.3** question **8 e**, should include units, and have parts **i** and **ii** labelled correctly:

$$\begin{array}{ll} \mathbf{8} \quad \mathbf{e} \quad \mathbf{i} \quad \text{Mass of C} = 2.63 \times 10^{-5} = 0.000\,026\,3 \text{ g} & \text{Mass of D} = 8 \times 10^{-7} = 0.000\,000\,8 \text{ g} \\ & \therefore \text{microbe C is heavier.} \\ \mathbf{ii} \quad \frac{\text{Mass of C}}{\text{Mass of D}} = \frac{2.63 \times 10^{-5}}{8 \times 10^{-7}} \approx 3.29 \times 10^1 & \\ & \therefore \text{microbe C is approximately 32.9 times heavier.} \end{array}$$