

ERRATA

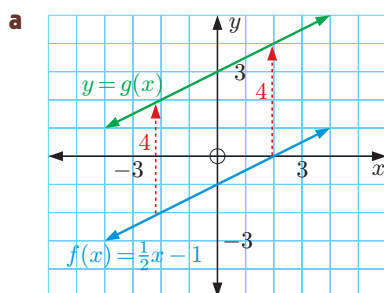
Mathematics for Australia 10

2013 First Edition, initial print

The following erratum was made on 22/Mar/2018

page 354 **CHAPTER 17 EXERCISE 17D.1**, question **4 a** graphs $f(x)$ and $g(x)$ should change to suit label for $f(x)$:

4 Find $g(x)$ in the following graphs:



The following errata were made on or before 16/Jul/2015

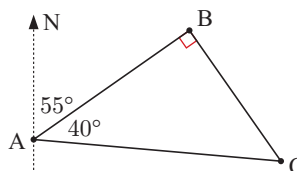
page 56 **CHAPTER 3 PRACTICE TEST 3C**, question **1 b** should read:

1 b Copy and complete: $(\sqrt{3})^n$ is an integer **if** n is

page 249 **CHAPTER 12 EXERCISE 12F**, question **3** should have right angle in diagram:

3 Find the bearing of:

- | | |
|-------------------|--------------------|
| a B from A | b A from B |
| c C from A | d A from C |
| e C from B | f B from C. |



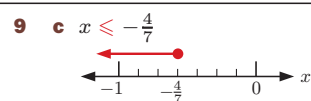
page 314 **CHAPTER 15 EXAMPLE 6**, last line of the solution should read:

Check: In (1): $29 + 16 = 45$ ✓ In (2): $29 - 16 = 13$ ✓

page 435 **ANSWERS PRACTICE TEST 4C**, Question **3 c ii** should not cancel a division by 0:

- | | | |
|----------------------------------|-----------------------------|--------------------------------|
| 3 a i $\frac{a^2 - 9}{a}$ | ii $\frac{3 - a}{3}$ | b $-\frac{3(a + 3)}{a}$ |
| c i -12 | ii undefined | iii $-\frac{24}{5}$ |

page 437 **ANSWERS REVIEW SET 5**, question **9 c** should have correct inequality:



page 439 **ANSWERS EXERCISE 7A.2**, question **2 f** should read:

- | | | |
|------------------------------|----------------------------|----------------------------|
| 2 d ≈ 85.7 cm | e ≈ 22.8 cm | f ≈ 40.7 cm |
|------------------------------|----------------------------|----------------------------|

page 439 ANSWERS EXERCISE 7C.1, question 2 should note units:

2 $A = 2(ab + bc + ac)$ units²

page 439 ANSWERS EXERCISE 7D.2, question 1 f should be an approximation:

1 **d** $\approx 226 \text{ cm}^3$ **e** $\approx 177 \text{ m}^3$ **f** $\approx 183 \text{ cm}^3$

page 440 ANSWERS EXERCISE 7D.2, question 9 b should not claim to be so precise:

9 **a** $\approx 2378 \text{ cm}^3$ **b** $\approx 6 \text{ kg}$ **10** 15 915 handles

page 440 ANSWERS PRACTICE TEST 7C, questions 3 b and 4 c should read:

3 **a** **i** $\frac{x}{2} \text{ m}$ **ii** $\frac{x}{4} \text{ m}$ **b** Show both areas are $\frac{\pi x^2}{4} \text{ m}^2$.
4 **a** $\approx 3848 \text{ cm}^3$ **b** $\approx 3.85 \text{ L}$ **c** $\approx 2278 \text{ cm}^3$

page 441 ANSWERS EXERCISE 8D, question 10 c should include:

10 **b** $b = \frac{6g}{g-1}$ **c** 0g 0b, 2g 12b, 3g 9b, 4g 8b, 7g 7b

page 442 ANSWERS PRACTICE TEST 8B, question 10 b should read:

10 **b** $S_1 = 2 = 1 \times 2$
 $S_2 = 6 = 2 \times 3$
 $S_3 = 12 = 3 \times 4$
 $S_4 = 20 = 4 \times 5$
 $S_5 = 30 = 5 \times 6$ $\therefore S_n = n(n+1)$

page 442 ANSWERS PRACTICE TEST 8C, Question 5 c ii should not be an approximation:

5 **c** **i** 104°F **ii** -459.67°F **iii** -99.67°F

page 443 ANSWERS EXERCISE 9E, Question 1 d first line should read:

1 **d** $\triangle s$ XWV and XYZ are equiangular as:

page 444 ANSWERS EXERCISE 9F, Question 8 c should read:

8 **a** 10 cm **b** 30 cm² **c** 6 mm, 2.25 mm **d** 1.25 mL

page 444 ANSWERS PRACTICE TEST 9A, Question 6 should be:

6 **D** **7** **C** **8** **E** **9** **E** **10** **D**

page 445 ANSWERS EXERCISE 10F, Question 14 b should read:

14 **b** Lawn area = 4 $\times$ total of flower bed areas
 $\therefore 2(\pi \times 5^2) = 4 \times \pi r^2$
 $\therefore 50\pi = 4\pi \left(5 - \frac{x}{2}\right)^2$
 $\therefore 4 \left(25 - 5x + \frac{x^2}{4}\right) = 50$
 $\therefore 100 - 20x + x^2 = 50$
 $\therefore x^2 - 20x + 50 = 0$

page 451 ANSWERS EXERCISE 13A, Question 4 c should read:

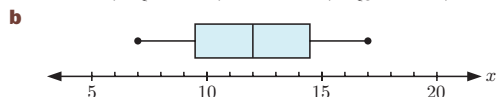
4 **c** approximately symmetrical **d** $\approx 38.3\%$

page 453 ANSWERS EXERCISE 13D, Questions 1 b ii and 2 c ii should read:

1 **a** 50 trout **b** **i** ≈ 5 trout **ii** ≈ 15 trout
2 **c** **i** $\approx 64\%$ **ii** ≈ 52 students **iii** $\approx 74\%$

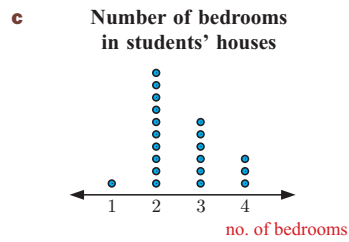
page 453 ANSWERS EXERCISE 13F.1, Question 3 b should have correct maximum on box plot:

3 **a** min = 7, Q₁ = 9.5, med = 12, Q₃ = 14.5, max = 17



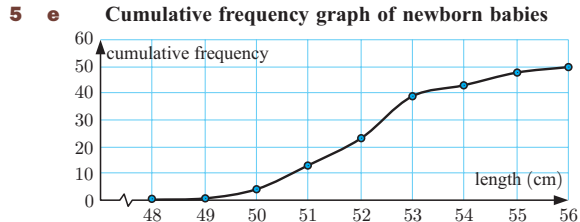
page 454 **ANSWERS REVIEW SET 13**, Questions **2 c** and **3 d** should read:

- 2 a** discrete
b no



- 3 a** 14 **b** 13.8 **c** 14 **d** 17

page 455 **ANSWERS PRACTICE TEST 13C**, Question **5 e** should include the point at length = 48 cm:



page 457 **ANSWERS EXERCISE 15B**, Question **1 c** should read:

- 1 c** $x = -1$, $y = -5$

page 458 **ANSWERS PRACTICE TEST 15C**, Questions **2 b ii** and **iii** should be swapped:

- 2 b i** $x = 4$, $y = 3$ **ii** $x = 0$, $y = -5$
iii $x = -5.6$, $y = 0.6$

page 458 **ANSWERS EXERCISE 16A**, Question **11 c i** should read:

- 11 b** 150 passengers **c i** $\frac{33}{50}$ **ii** $\frac{13}{50}$ **iii** $\frac{2}{25}$

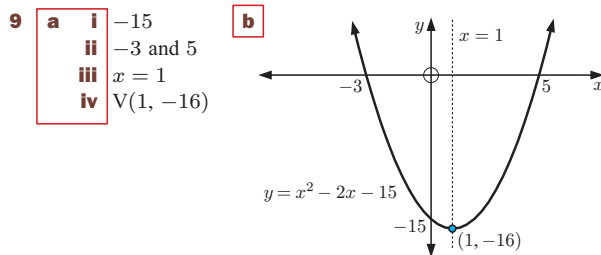
page 460 **ANSWERS PRACTICE TEST 16B**, Question **5 b** should read:

- 5 b** $\frac{9}{20}$

page 465 **ANSWERS EXERCISE 18C**, Questions **4 d** and **f** should read:

- 4 d** $\frac{7 \pm \sqrt{73}}{6}$ **e** no x -intercepts **f** $\frac{9 \pm \sqrt{33}}{8}$

page 467 **ANSWERS REVIEW SET 18**, Question **9** should have correct question labelling:



page 468 **ANSWERS PRACTICE TEST 18C**, Question **2 d** should be:

- 2 d** $x = \frac{8 \pm \sqrt{-8}}{4}$ $\therefore$ no real solutions

page 475 **ANSWERS PRACTICE TEST 20A**, Question **8** should be:

- 6 A** **7 E** **8 D** **9 E** **10 D**

page 477 **ANSWERS EXERCISE 21B**, Question **5 a** should have correct y -axis scale:

