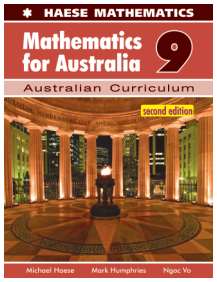


ERRATA

MATHEMATICS FOR AUSTRALIA 9

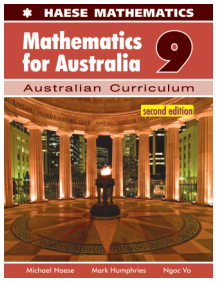
(2nd edition)

Second edition - 2025 second reprint

The following erratum was made on 17/Mar/2026

page 516 **ANSWERS EXERCISE 22D** Question **7 b** should read:

5 6 cm **6** $k = 1.5$ **7** **a** 6 cm **b** 60 **8** 2.4 m



ERRATA

MATHEMATICS FOR AUSTRALIA 9

(2nd edition)

Second edition - 2023 first reprint

The following errata were made on 04/Oct/2023

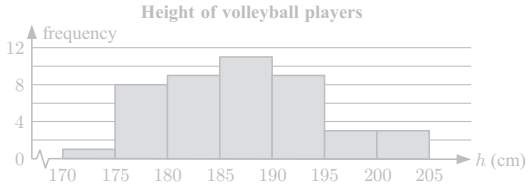
page 445 **SECTION 26C** Green box should read:

The **modal class** is the class interval with the highest frequency.

page 526 **ANSWERS EXERCISE 26D** Question **2** parts **a** and **c** should read:

2 **a** Height can take any value within each class interval.

b



c $185 \leqslant h < 190$ cm. This class interval has the highest frequency.

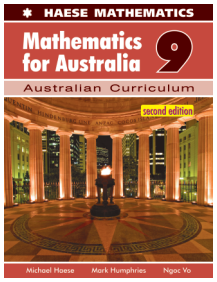
The following erratum was made on 26/Jun/2023

page 520 **ANSWERS EXERCISE 24C** Question **1 c** should read:

1 **c** The points of y against $\frac{1}{x}$ form a straight line through the origin,

$\therefore$ y is directly proportional to $\frac{1}{x}$

$\therefore$ y is inversely proportional to x.



ERRATA

MATHEMATICS FOR AUSTRALIA 9

(2nd edition)

Second edition - 2021 initial print

The following errata were made on 19/May/2022

page 485 **ANSWERS EXERCISE 6C** Question **10 c** should read:

10 **c** If an element is not in both P and Q then it is either not in P or not in Q.

page 501 **ANSWERS EXERCISE 17B** Question **3** parts **e** to **j** should be labelled correctly:

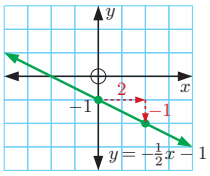
3 **a** M(3, 5) **b** M(4, 0) **c** M$(-1, 1)$ **d** M$(3, 1\frac{1}{2})$
e M$(-1\frac{1}{2}, 2)$ **f** M$(1, 1)$ **g** M$(2\frac{1}{2}, 4)$
h M$(-3\frac{1}{2}, 3\frac{1}{2})$ **i** M$(\frac{a+2}{2}, 2)$ **j** M$(0, 2b)$

page 502 **ANSWERS EXERCISE 17D** Question **5 a** should read:

5 **a** $a = 6$ **b** $a = 0$ **6** **a** $t = -3$ **b** $t = 9$

page 505 **ANSWERS EXERCISE 18E** Question **3 c** should show correct function:

3 **c**



page 510 **ANSWERS SHORT RESPONSE TEST 20** Question **14** should use correct units:

14 The radii are 4 m and 6 m.

page 510 **ANSWERS EXTENDED RESPONSE TEST 20** Question **1 b** should use correct units:

1 **a** $0 < x < 15$
b Area of L-shape $= 15 \times x + x \times (20 - x)$
$= [15x + x(20 - x)]$ cm^2

page 511 **ANSWERS EXTENDED RESPONSE TEST 20** Question **1 c** should use correct units:

1 **c** Area of L-shape $= \frac{1}{2} \times 15 \times 20 = 150$ cm^2
$\therefore \quad 15x + x(20 - x) = 150$
$\therefore \quad 35x - x^2 = 150$

page 518 **ANSWERS SHORT RESPONSE TEST 23** Question **5 a** should read:

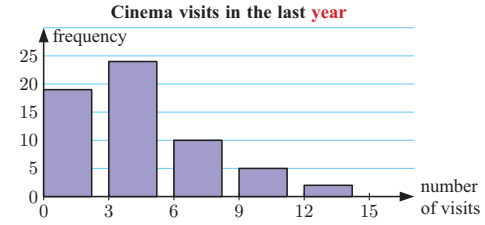
5 **a** $x \approx 64.3$ **b** $x \approx 38.7$ **c** $x \approx 11.2$

page 523 **ANSWERS EXERCISE 25F** Question **8 b** should read:

8 **b** 0.002 646

page 530 **ANSWERS EXTENDED RESPONSE TEST 26** Question **1 a** should read:

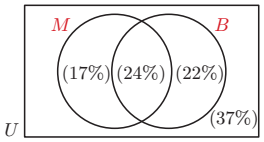
1 a



The following erratum was made on 02/Mar/2022

page 490 **ANSWERS EXERCISE 8D** Question **7 a** diagram should have correct labels:

7 a



b **i** 24%
ii 63%
iii 17%
iv 39%

The following errata were made on 23/Feb/2022

page 57 **EXERCISE 4A** Example 2 and Question **2** should read:

Example 2 — Self Tutor

Write as a fraction or mixed number in lowest terms:

a 150% **b** 0.5%

a
$$\begin{aligned} 150\% &= \frac{150 \div 50}{100 \div 50} \\ &= \frac{3}{2} \\ &= 1\tfrac{1}{2} \end{aligned}$$

b
$$\begin{aligned} 0.5\% &= \frac{0.5 \times 2}{100 \times 2} \\ &= \frac{1}{200} \end{aligned}$$

2 Write as a fraction or mixed number in lowest terms:

a 20% **b** 250% **c** 75% **d** 50% **e** 310% **f** 8%
g 100% **h** 2% **i** $12\frac{1}{2}\%$ **j** 1.5% **k** $87\frac{1}{2}\%$ **l** $33\frac{1}{3}\%$

page 242 **SECTION 16A** Example 1 part **a** solution should read:

Example 1 — Self Tutor

If $a = 2$, $b = -3$, and $c = -5$, evaluate:

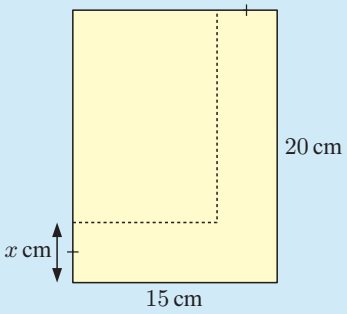
a $\dfrac{a-b}{c^2}$ **b** $\dfrac{a-c-b}{b-a}$

a
$$\begin{aligned} \frac{a-b}{c^2} &= \frac{2-(-3)}{(-5)^2} \\ &= \frac{2+3}{25} \\ &= \frac{5}{25} \\ &= \frac{1}{5} \end{aligned}$$

b
$$\begin{aligned} \frac{a-c-b}{b-a} &= \frac{2-(-5)-(-3)}{(-3)-2} \\ &= \frac{2+5+3}{-3-2} \\ &= \frac{10}{-5} \\ &= -2 \end{aligned}$$

Opening problem

Matheus has a piece of paper 15 cm $\times$ 20 cm. His friend Gabriela challenges him to divide it into two sections of equal area, one of which is an L-shaped region with constant width x cm, as shown.



Things to think about:

a What possible values can x take?

b Can you explain why the area of the L-shaped region is given by $[15x + x(20 - x)]$ cm^2?

c Can you hence explain why $35x - x^2 = 150$?

d How many solutions does the equation $35x - x^2 = 150$ have?

e What value of x should Matheus use?