

ERRATA

MATHEMATICS FOR AUSTRALIA 12

General Mathematics

Worked Solutions

First edition - 2019

The following erratum was made on 12/Sep/2025

page 332 EXERCISE 8E Question 1 e should read:

- 1 e The difference $\$7000.16 - \$6459.36 = \$540.80$ is the interest earned in the sinking fund.

The following erratum was made on 17/Apr/2023

page 396 EXERCISE 9D.1 Question 9 d ii should read:

- 9 d i From c ii, $S_2 = [0.07 \ 0.4 \ 0.42 \ 0.11]$.
The highest value in S_2 is 0.42 which corresponds to the courier being at C.
So, in 20 minutes' time, the courier is most likely to be at C.
- ii From c iii, $S_3 = [0.255 \ 0.278 \ 0.127 \ 0.34]$
The highest value in S_3 is 0.34 which corresponds to the courier being at D.
So, in 30 minutes' time, the courier is most likely to be at D.

The following erratum was made on 13/May/2020

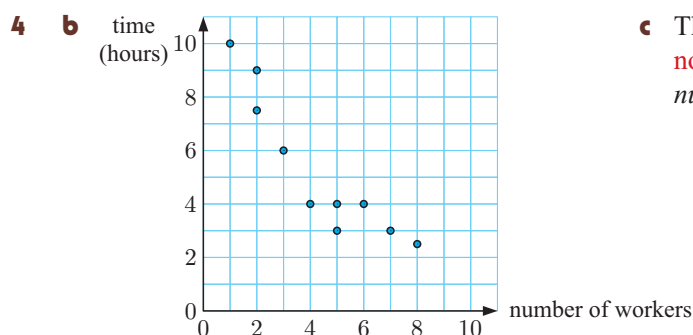
page 143 EXERCISE 4E Questions 3 f should read:

- 3 f When $y = 40$, $40 \approx -4.27x + 489$
 $\therefore -449 \approx -4.27x$
 $\therefore x \approx 105.3$

So, a petrol station which has 40 customers per hour would sell petrol at approximately 105.3 cents per litre.

The following errata were made on 26/Mar/2020

page 131 **EXERCISE 4B** Questions **4 b** and **c**, should read:

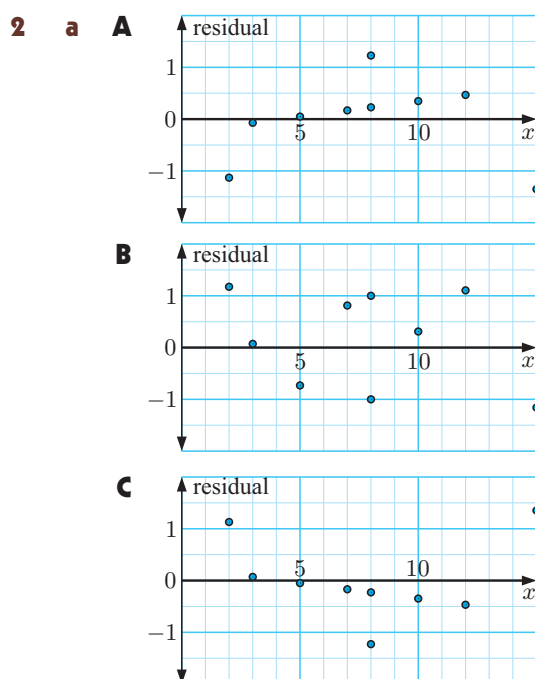


c There is a strong, negative, **non-linear** correlation between the *number of workers* and *time*.

page 132 **EXERCISE 4B** Question **6 c**, should read:

6 c Yes, this is a causal relationship as spending more time studying for the test is likely to cause a higher mark.

pages 154 and 155 **EXERCISE 4F.2** Question **2 a**, should read:



Most of the residuals in this plot are above the x -axis. The scatter plot however shows that only **three** data values are above the regression line. So **A** is not the correct residual plot.

Most of the residuals in this plot are above the x -axis. The scatter plot however shows that only **three** data values are above the regression line. So **B** is not the correct residual plot.

Most of the residuals in this plot are below the x -axis, with only **three** residuals above it. The scatter plot shows that only **three** data values are above the regression line. So **C** is the correct residual plot.