

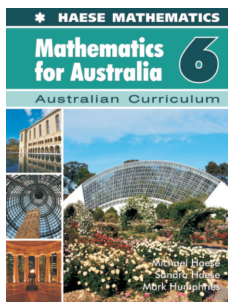
ERRATA

Mathematics for Australia 6

2015 First Edition - first reprint

Adobe Flash Player has reached End-of-Life. Demo icons that are no longer supported have been removed from:

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ERRATA

Mathematics for Australia 6

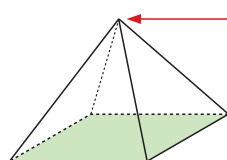
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page 84 **CHAPTER 4**, pyramids and cones come to a point at the **apex**:

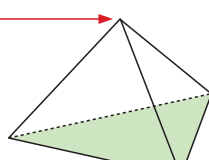
PYRAMIDS

A **pyramid** is a solid with a polygon base. It has triangular faces which come from its base to meet at a point called the **apex**.

Pyramids are named according to the shape of their base.



square-based pyramid

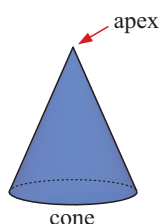


triangular-based pyramid



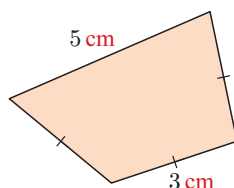
CONES

A **cone** is a solid with a circular base and a curved surface from the base to the apex.



page 170 **CHAPTER 8 EXAMPLE 4**, part **b** should use cm for the units of measurement:

b



PRACTICE TEST 8A, should include diagrams:

See last page.

page 220 **CHAPTER 10 EXERCISE 10D.2**, question **5** should refer to a diver:

- 5** A seagull is flying 5 metres above sea level, a kayaker is paddling at sea level, a **diver** is swimming 2 metres below sea level, and a dolphin is 6 metres below sea level.

page 221 **CHAPTER 10 EXERCISE 10D.2**, question **6** should ask for integers:

- 6** Write the following statements using **integers**, and calculate the resulting quantity:

page 342 **ANSWERS EXERCISE 1A.2**, Question **1 h** should read:

1 **a** 86 **b** 674 **c** 9638 **d** 50 240
 e 27 003 **f** 500 375 **g** 73 298 **h** **809 302**

page 342 **ANSWERS EXERCISE 1B.1**, Question **5 h** should read:

5 **g** correct **h**
$$\begin{array}{r} 1\ 10\ 15 \\ 3\ 2\ 1\ 8 \\ -\ 3\ 1\ 8\ 6 \\ \hline 2\ 9 \end{array}$$

page 344 **ANSWERS EXERCISE 2B**, Question **8 a i** should read:

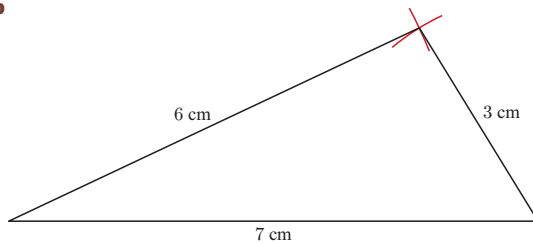
8 **a** **i** $\widehat{ABC} = 40^\circ$, $\widehat{XYZ} = 28^\circ$ **ii** $\widehat{ABC}$

page 346 **ANSWERS PRACTICE TEST 3B**, question **5** should include:

5 2, 4, 24 (or 2, 6, 22 or 2, 8, 20 or 2, 10, 18
 or 2, 12, 16 or 4, 6, 20 or 4, 8, 18
 or 4, 10, 16 or **4, 12, 14** or 6, 8, 16
 or 6, 10, 14 or 8, 10, 12)

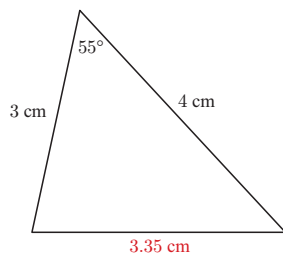
page 347 **ANSWERS EXERCISE 4B**, questions **4 b** and **6** should be:

4 **b**

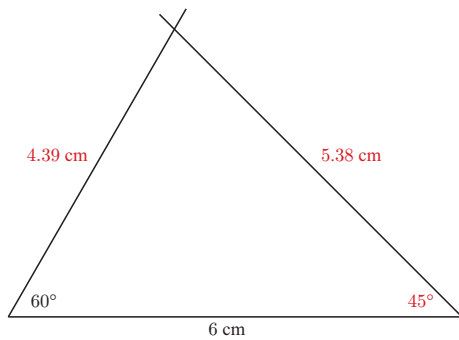


(6 cm side should be 6 cm instead of 5 cm)

6 **a**



b



(48° angle should be 45°, this changes the red side measurements)

page 348 **ANSWERS EXERCISE 4C**, question **3 f** should read:

- 3** **a** square **b** trapezium **c** rhombus
 d rectangle **e** kite **f** trapezium
 g parallelogram **h** square

page 354 **ANSWERS EXERCISE 6H**, Question **3 e** should drop the unnecessary 0:

- 3** **a** 21.7 **b** 39.9 **c** 172.2 **d** 32.66 **e** 29.2
 f 182

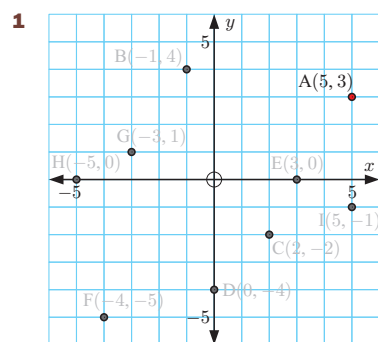
page 354 **ANSWERS EXERCISE 7A**, Question **3 c** should read:

- 3** **a** 1910 **b** Elizabeth II **c** 9 years

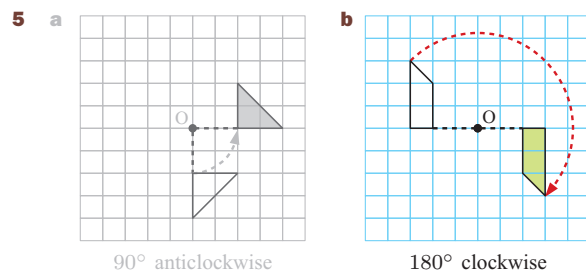
page 354 **ANSWERS EXERCISE 7D**, Question **4** should read:

- 4** **a** 60 minutes or more is not possible.
 b 0713 hours is correct.
 c 2400 hours or more is not possible.

page 363 **ANSWERS EXERCISE 13D**, Question **1** should have A coordinate placed in the correct position:



page 371 **ANSWERS PRACTICE TEST 15B**, Question **5 b** should be:



Practice test 8A

Multiple Choice

- 1 2.3 m, written in centimetres, is:

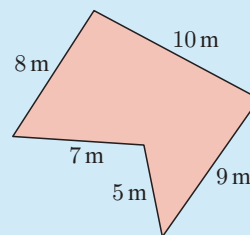
A 0.0023 cm **B** 23 cm **C** 230 cm **D** 2300 cm **E** 23 000 cm

- 2 Which of the following is most likely to have an area of 8 m^2 ?

A a credit card **B** a trampoline **C** a hockey pitch
D a small country **E** a photograph

- 3 The perimeter of this figure is:

A 39 m **B** 34 m **C** 38 m
D 49 m **E** 44 m



- 4 The volume of a birthday cake is most likely to be:

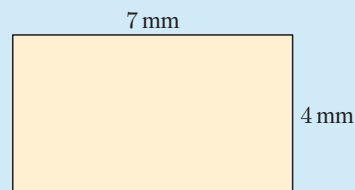
A 9 mm^3 **B** 90 cm^3 **C** 9000 cm^3 **D** 9 m^3 **E** 9000 m^3

- 5 What is the sum of 3 km, 206 m, and 90 cm?

A 3206.09 m **B** 3026.9 m **C** 3026.09 m **D** 506.9 m **E** 3206.9 m

- 6 The area of this rectangle is:

A 14 mm^2 **B** 28 cm^2 **C** 35 mm^2
D 28 mm^2 **E** 22 mm



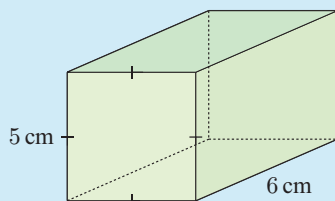
- 7 5260 L, written in kilolitres, is:

A 526 kL **B** 5 260 000 kL **C** 0.526 kL
D 5.26 kL **E** 0.0526 kL

- 8 Martin buys 750 g of apples costing \$4 per kilogram. How much does Martin pay for the apples?

A \$2.50 **B** \$3 **C** \$3.50 **D** \$4 **E** \$4.50

9



The volume of this rectangular prism is:

A 125 cm^3 **B** 150 cm^3
C 180 cm^3 **D** 250 cm^3
E 300 cm^3

- 10 Jasmine bought eight 600 mL bottles of water. How many litres of water did she buy?

A 4800 L **B** 3.2 L **C** 48 L **D** 0.32 L **E** 4.8 L