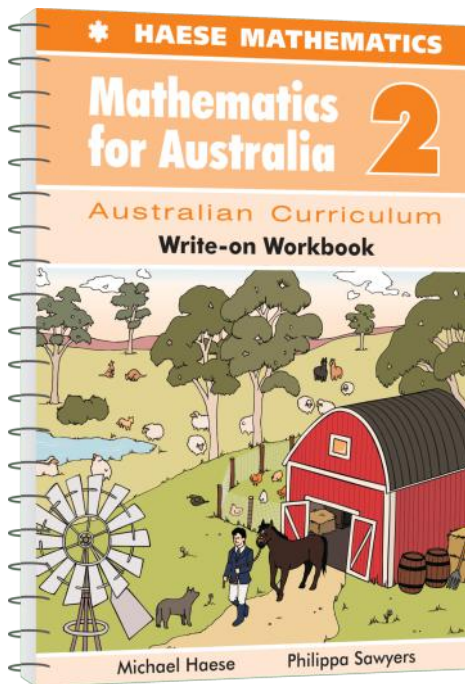


Haese Mathematics

Specialists in mathematics education

Australian Curriculum





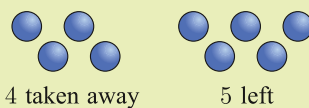
Published 2020
Pages 142
ISBN 978-1-922416-11-7

Mathematics for Australia 2

The Mathematics for Australia 2 write-on workbook is a fun and engaging resource providing students and teachers an organised record and clear progression of the work and learning throughout the year. The workbook contains a variety of exercises ranging from basic to advanced to help build a foundation of mathematics for years to come. The included digital subscription has games, activities and Watch Listen Learn animated examples to support independent and in-class learning.

Find the missing number: $\square - 4 = 5$

What do I need to start with, so when I take 4 away, I still have 5?

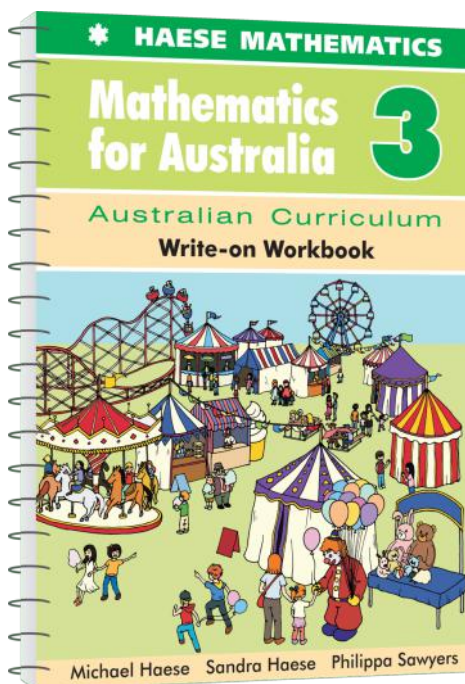


$$9 - 4 = 5$$

I need to start with 9.



From Mathematics for Australia 2 page 47



Published 2018
Pages 140
ISBN 978-1-925489-42-2

Mathematics for Australia 3

The Mathematics for Australia 3 workbook is presented in a clear, easy-to-follow style containing a range of exercises to cater to student abilities and interests. The workbook is accompanied with a digital Snowflake subscription with additional activities, interactive games and Watch Listen Learn animated examples. Combined, the printed workbook and digital subscription provide a complete learning package for year 3 students, aiming to encourage student understanding and build an appreciation and love of mathematics.



Mark has 6 chickens.

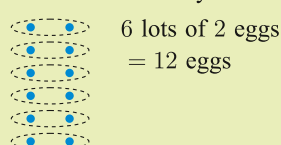
Each chicken lays 2 eggs.

How many eggs did the chickens lay altogether?

We can write an addition:

$$2 + 2 + 2 + 2 + 2 + 2 = 12$$

We can draw an array:

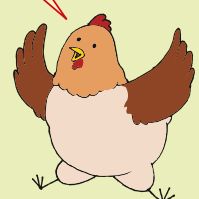


We can write a **multiplication**:

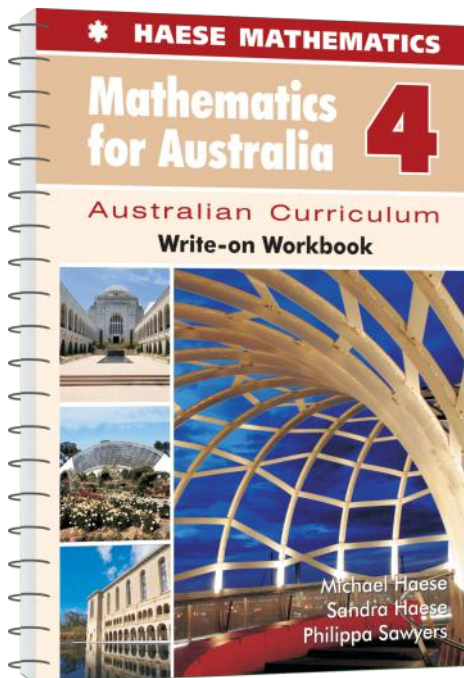
$$6 \times 2 = 12$$

There are 12 eggs altogether.

Six multiplied by 2 is 12.



From Mathematics for Australia 3 page 55



Published 2016

Pages 186

ISBN 978-1-921972-41-6

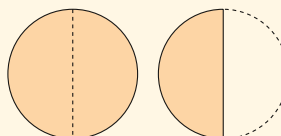
Mathematics for Australia 4

Mathematics for Australia 4 has been written for the Australian Curriculum in the form of a spiral bound write-on workbook. Important information and key notes are highlighted while work examples provide step-by-step instructions and relevant explanations. Each worked example in the book features an animated and voice Watch Listen Learn explanation on the accompanying Snowflake digital subscription. Discussions, Activities, Investigations and Research exercises are used throughout the chapters to develop understanding and problem solving skills.



Write the mixed number shown:

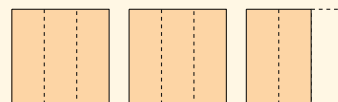
a



a One whole and one half is shaded.

$1\frac{1}{2}$ is shaded.

b

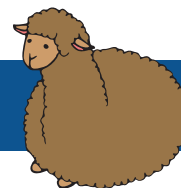


b Two wholes and two thirds are shaded.

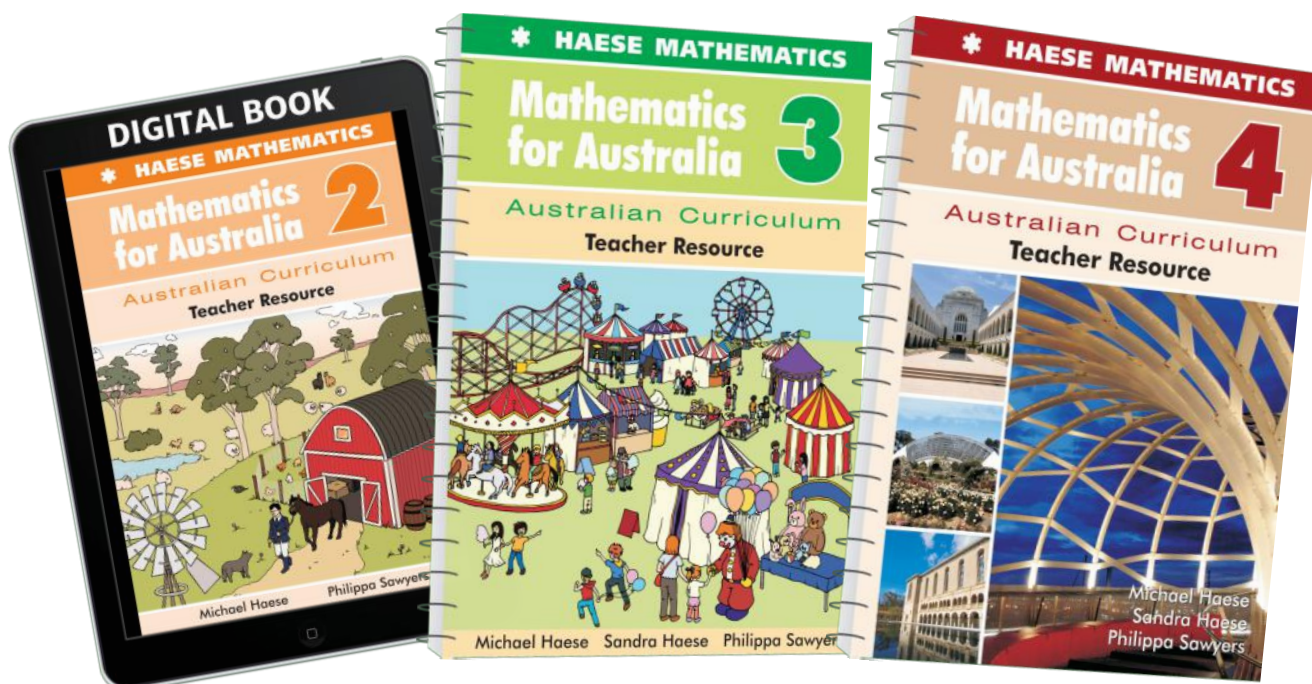
$2\frac{2}{3}$ is shaded.

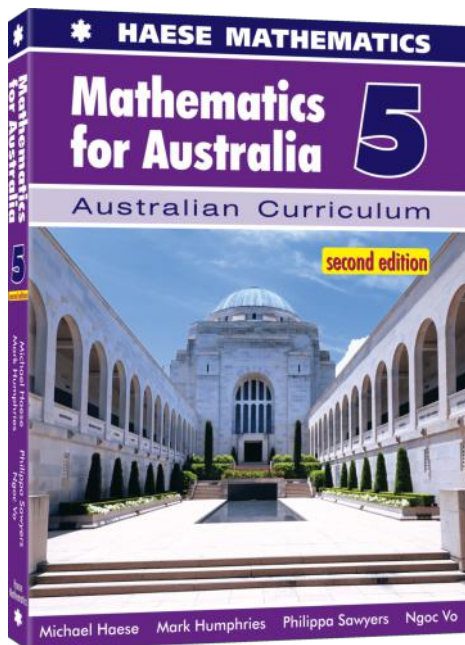
From Mathematics for Australia 4 page 68

Teachers Resources



The partnered Teacher Resources for years 2, 3 and 4 provide support and additional resources to accompany the write-on workbooks. They contain the same content as the student books, with additional ideas, hints activities and answers to help teachers, assistants and home-schooling parents to get the most out of their students. A page from the student book is shown side-by-side with the extra material, as well as additional space left free for note taking for future reference. Answers are clearly labelled in pink and comments are colour coded to specify their nature, to provide a helpful Teacher Resources inspiring confidence.





Published 2020

Pages 320

ISBN 978-1-922416-14-8

Digital ISBN 978-1-922416-15-5

Mathematics for Australia 5

The Second Edition of Mathematics for Australia 5 is an updated resource that continues to cover the content outlined in the Australian Curriculum. This edition is the result of a complete rewrite and refresh of the previous edition, providing an engaging approach to support comprehension and application of concepts. To support learning and teaching within an interactive environment, Discussions, Activities, Investigations and Research exercises are used throughout the chapters to develop understanding, problem-solving, and reasoning. The associated digital subscription comes with additional learning resources such as Watch Listen Learn, examples which are animated with step-by-step voiced explanations. The digital benefits are not only applicable in the classroom but also as a support tool for students working independently.

Second edition now available!



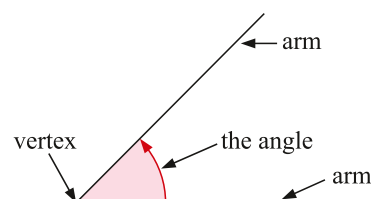
LINES AND ANGLES (Chapter 7) 61

C

ANGLES

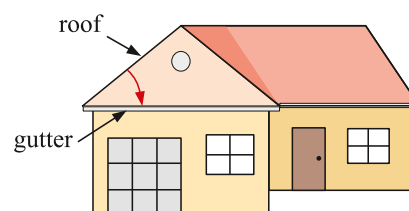
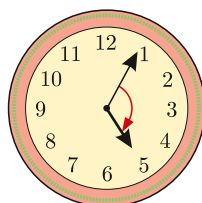
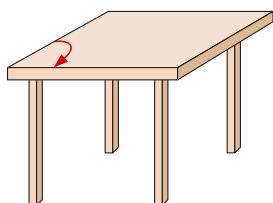
An **angle** is formed where two straight lines meet.

The point where the lines meet is called the **vertex** of the angle, and the lines are called the **arms**.



Here are some examples of angles we see around us:

- the angle between two edges of a table top
- the angle between the hands of a clock
- the angle between the roof and the gutter of a house



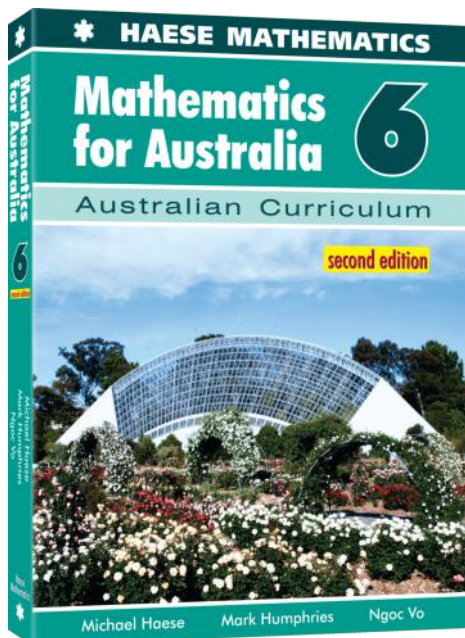
CLASSIFYING ANGLES

The **size** or **measure** of an angle is the amount of *turn* between its arms.

We measure the turn in **degrees**, and use the symbol $^{\circ}$.

For example, 15° is read as “fifteen degrees”.

From Mathematics for Australia 5 second edition page 61



Published 2020

Pages 392

ISBN 978-1-922416-16-2

Digital ISBN 978-1922416-17-9

New editions!



Mathematics for Australia 6

Our second edition of Mathematics for Australia 6 continues to cover the Australian Curriculum in a structured but engaging manner. The new edition has been restructured to emphasise learning objectives and provide more targeted activities and investigations for an interactive learning environments. The textbook contains a foundation on each topic that is then built upon to promote comprehension and retention. The material is presented in a clear, easy to follow style, presented with context to appeal to student interests and relate concepts to the everyday. Additional extension exercises have been included to challenge capable students, and prepare for the years ahead. The book is accompanied by a digital subscription, with additional resources such as Self Tutor examples, which are animated with step-by-step voiced explanations.

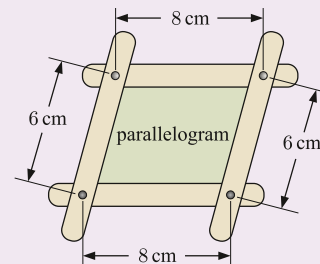
Activity 3

Making parallelograms

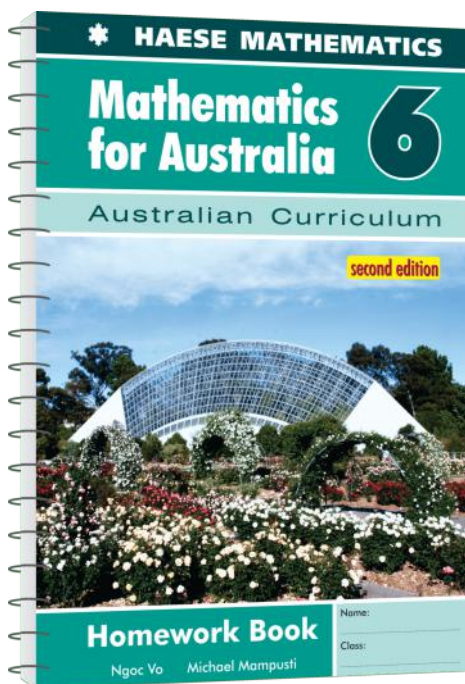
To make parallelograms with different angles you could use ice-block sticks.

What to do:

- 1 Join the ice-block sticks with four small bolts and nuts. You do not need to tighten the bolts.
- 2 Use a pencil to draw the parallelogram inside the frame.
- 3 Change the parallelogram by moving the wooden frame. Hence draw *five* different parallelograms.



From Mathematics for Australia 6 second edition page 86



Published 2021

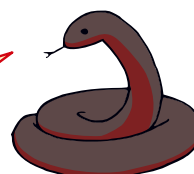
Pages 156

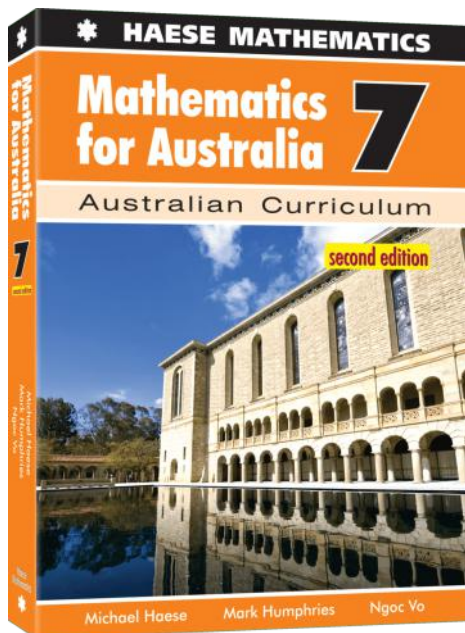
ISBN 978-1-922416-40-7

Mathematics for Australia 6 Homework Book

This Homework Book is best used in conjunction with Haese Mathematics' "Mathematics for Australia 6 (Second Edition)" textbook and is designed to help students develop and improve skills learned in class. Questions are divided into chapters and topics with over 600 questions aligned to all chapters in the textbook. A chapter review challenges students to answer a variety of question types, helping them to become confident and proficient in their skills. Reminders are located throughout the book, providing helpful references for students working independently. A Homework Diary enables easy allocation of homework, and allows parents and teachers to monitor student progress. Answers are provided digitally for students and educators.

Coming soon!





Published 2021

Pages 460

ISBN 978-1-922416-18-6

Digital ISBN 978-1-922416-19-3

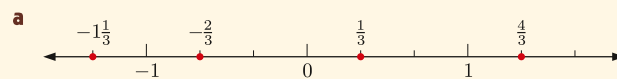
Mathematics for Australia 7

Mathematics for Australia 7 (Second Edition) has been designed and written for the Australian Curriculum. The textbook and interactive digital subscription provide an engaging and structured package, allowing students to explore and develop their confidence in Mathematics. Each chapter begins with an Opening Problem, offering an insight into the application of the mathematics to be studied. Important information and key notes are highlighted while worked examples provide step-by-step instructions with concise and relevant explanations. Discussions, Activities, Investigations and Research exercises are used throughout the chapters to develop understanding, problem solving, and reasoning. The associated digital subscription provides additional interactive learning opportunities including Self Tutor, animated worked examples with voiced explanations.

Example 5

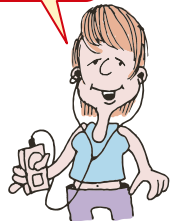
Self Tutor

- a** Place $\frac{1}{3}$, $-1\frac{1}{3}$, $\frac{4}{3}$, and $-\frac{2}{3}$ on a number line.
b Hence write the numbers in ascending order.

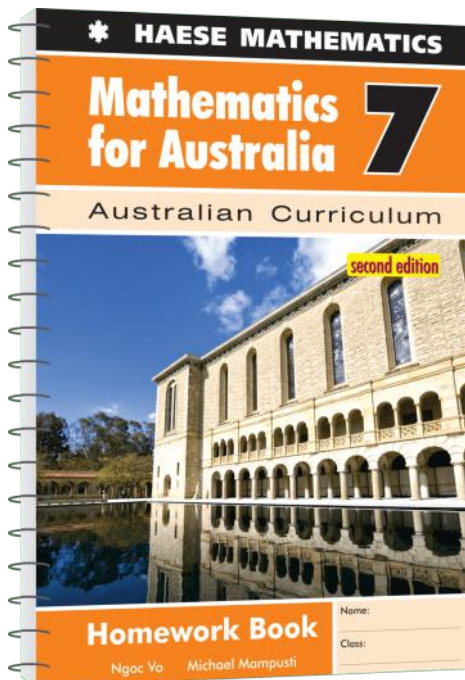


- b** In ascending order, the numbers are: $-1\frac{1}{3}$, $-\frac{2}{3}$, $\frac{1}{3}$, $\frac{4}{3}$.

We divide each whole into 3 equal parts.



From Mathematics for Australia 7 second edition page 112



Published 2021

Pages 180

ISBN 978-1-922416-41-4

Mathematics for Australia 7 Homework Book

The Mathematics for Australia 7 (Second Edition) Homework Book is designed to be used alongside the corresponding textbook to build on skills and understanding developed in class. Questions and chapter reviews are organised to map back to chapters and topics covered within the textbook, encouraging students to build confidence and proficiency in topics covered in class. The spiral bound book and included Homework Diary allows students to keep a clear and organised record of their homework over time in one place. Reminders and hints are located throughout the book to provide support for students working independently. Answers are provided digitally for students and educators.

Coming soon!





Dashboard Offline System Erata Help Viewer Tutorial

Dashboard



Snowflake is our online digital platform designed as an interactive space for students and educators to view and engage with our textbooks and software. Each physical copy of our textbook is accompanied by a complimentary subscription. Digital only versions of our textbooks are also available. Worked solutions books are only available as a digital subscription.

For Teachers

- Printable extras
- Easily renewable subscriptions
- Manage subscriptions for students and teachers

Interactive software

- Self Tutor
- Graphing software
- Statistics software
- Demonstrations and games

For Students

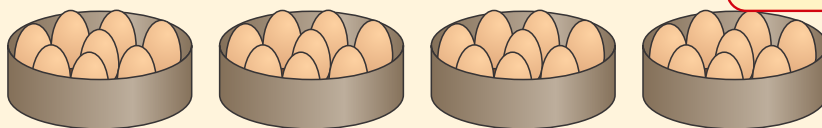
- Digital copy of the printed book
- Easy to navigate
- Graphics Calculator Instructions
- Offline version available

IT support

- Immediate access to content
- Software updates
- Notification of changes
- Detailed help pages
- Access to IT support team



Lucy has 4 baskets and places 8 eggs in each.
How many eggs does Lucy have altogether?



Lucy has 4 lots of 8 eggs.
 $4 \times 8 = 32$
So, Lucy has 32 eggs altogether.

Simply click on the icon, or anywhere in the example box, to activate a video explaining each step necessary to reach the answer.



From Mathematics for Australia 4 page 27

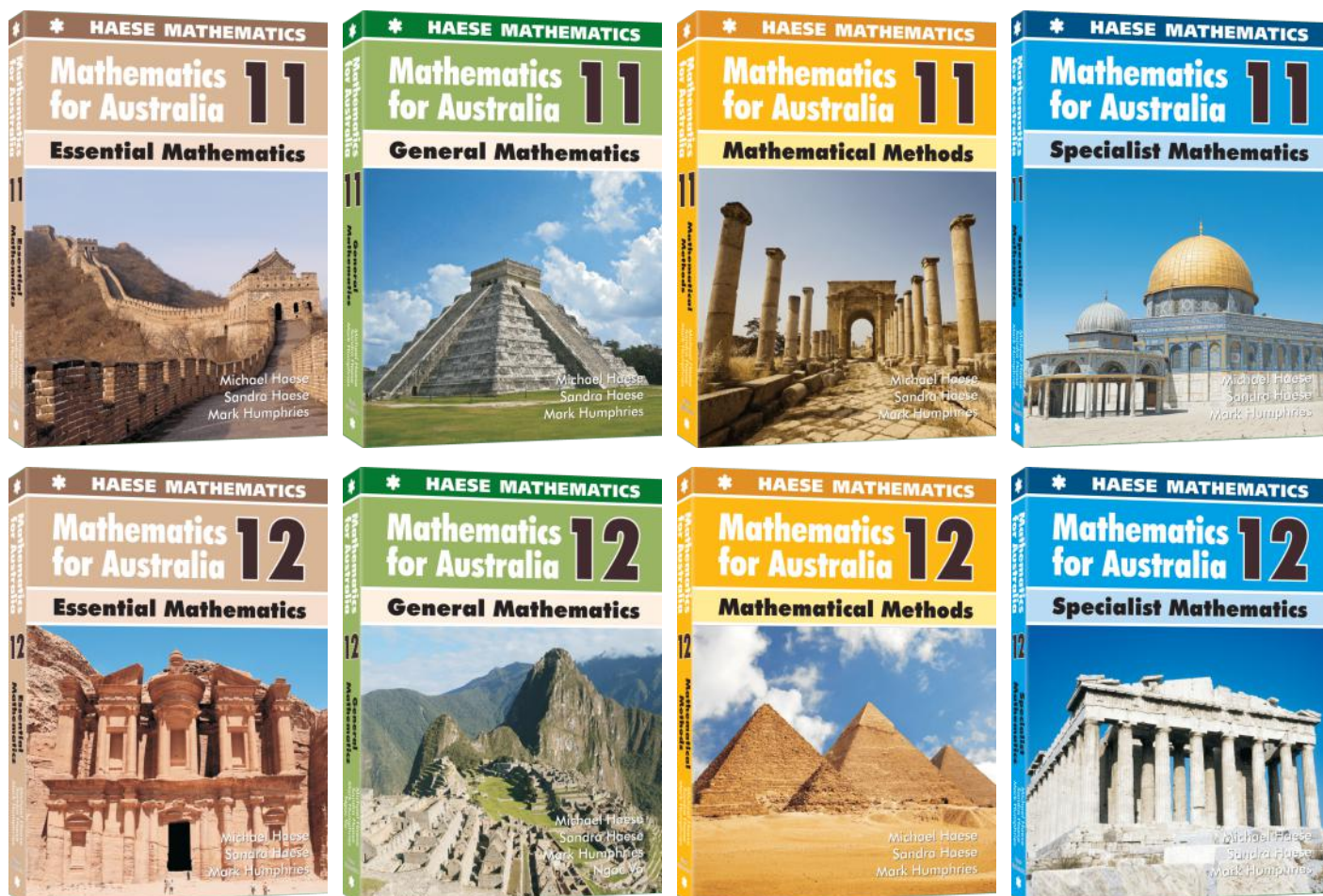
Australian Curriculum 8-12



Building on the foundation provided by our Primary year titles, our "Mathematics for Australia" series has been produced to cover the content descriptions and achievement standard outlined by the Australian Curriculum. New editions of Mathematics for Australia 8, 9 and 10 as well as their Homework books are in development for the 2022 school year, providing updated resources to support students through their secondary mathematical education. All textbooks are accompanied by a interactive Snowflake digital subscription with additional learning resources to support in class and independent learning.



Senior secondary student books provide comprehensive coverage of the content outlined in the SACE Subject Outline and ACARA Australian Senior Secondary Curriculum, and are used by students across Australia. Providing an understandable and engaging experience, the printed books and associated digital Snowflake subscriptions set students up for success throughout the course and their final assessments.



Australian Curriculum 8-12

Worked Solutions & Homework Books

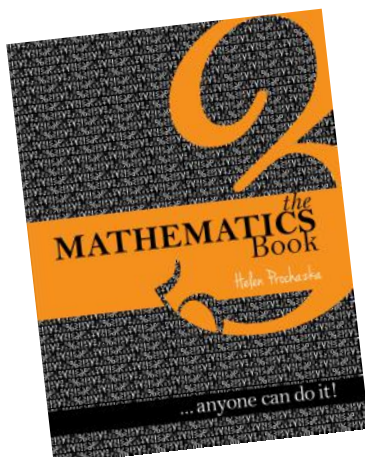


The Mathematics Book

Distributed by Haese Mathematics



Published by Zenolith and distributed by Haese Mathematics, The Mathematics Book is a beautifully illustrated, how-to-do-it book especially created for adults and teenagers who have not found mathematics easy or appealing.

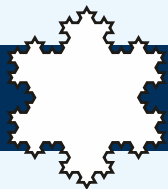


- Shows that mathematics can be beautiful, light-hearted, and fascinating
- Clear explanations supported by well laid out worked examples
- Substantial, accurate, well-researched, and mathematically solid content
- Poetry, quotes, cartoons, and hundreds of illustrations enhance and clarify the key ideas
- Illustrates mathematics in history, art, and culture
- A practical mathematics course in line with adult numeracy standards

Published 2016

Pages 376

ISBN 978-0-9925330-0-7



HAESE MATHEMATICS

Specialists in mathematics education

Dedicated to promoting excellence in mathematics education for 40 years.



Questions about our publications?

info@haesemathematics.com

Looking for digital previews?

info@haesemathematics.com

Need to place an order?

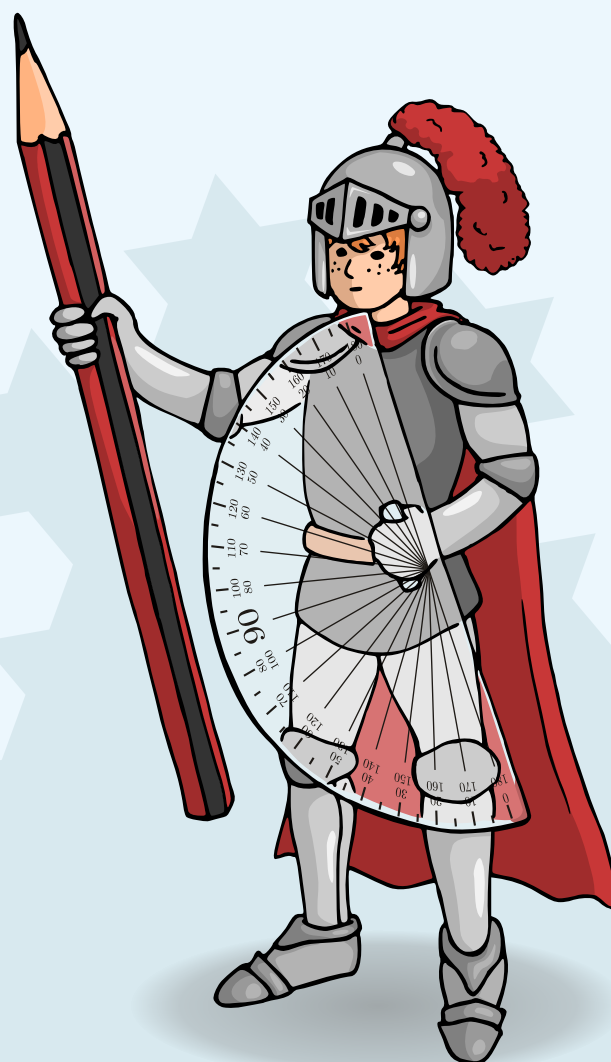
sales@haesemathematics.com

Need IT support?

ITsupport@haesemathematics.com

Haese Mathematics is a family-owned publishing company specialising in mathematics text books. The business began in 1979, when practicing classroom teachers, Robert and Sandra Haese, together with Kim Harris, started work on their first books written for South Australian schools. These books were typed on a typewriter with hand drawn diagrams and solutions.

Continually driven by the commitment to the education of young people, our in-house team of dedicated mathematicians, led by Michael Haese, work hard to ensure that our books are the most accurate and consistent books available.



Find us on
Facebook



@HaeseMaths

152 Richmond Road, Marleston SA 5033, Australia Tel: +61 8 8210 4666

info@haesemathematics.com www.haesemathematics.com