

Teacher view Student view

Write linear equations to represent diagrams and patterns

SC 1. I can formulate information in a diagram as a linear equation

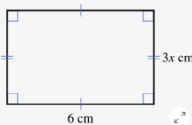
78% COMPLETED

- Introduction
- SC 1: I can formulate information in a diagram as a linear equation
- SC 2: I can formulate information in a pattern as a linear equation
- Lesson Review

Writing an equation for perimeter and area

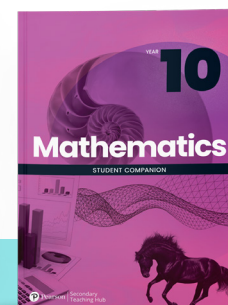
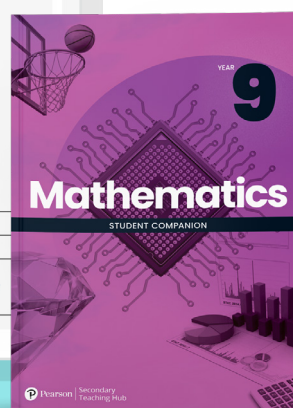
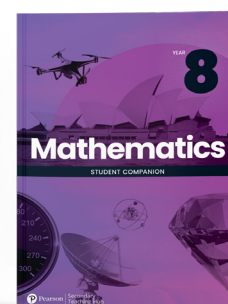
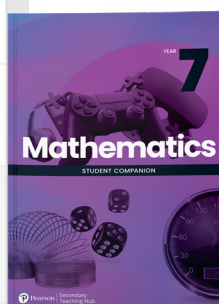
Worked example See it in a video Check your understanding

Write equations for the perimeter and for the area of the rectangle shown.



a. the perimeter of the rectangle

Thinking	Working
The perimeter is the sum of all the side lengths.	$P = 6 + 6 + 3x + 3x$
Simplify the expression and state the answer.	$P = 12 + 6x$ The perimeter of the rectangle is given by $P = 12 + 6x$ cm.



Pearson Secondary Teaching Hub

Fully aligned to the new Australian Curriculum for Year 7 to 10 mathematics.

Developed in consultation with educators from across Australia, *Secondary Teaching Hub* is an expertly designed resource that is unlike any other resource available to mathematics educators right now. It features a **robust digital hub** as its foundation, offering curriculum-aligned digital content, assessment, videos, activities and more. The digital hub is complemented by printed **student companion books** and a library of trustworthy **downloadable resources** to deliver a complete teaching and learning solution for schools teaching Year 7 to 10 mathematics for the Australian Curriculum.

Stay up to date at pearson.com.au/teaching-hub



🔗 Resources for flexible teaching and learning

Developed in consultation with educators from across Australia, *Secondary Teaching Hub* has been designed for classrooms that want to utilise digital and printed resources in a flexible way.

Secondary Teaching Hub provides access to:

A robust digital hub

- Discover a library of quality content, assessment, videos, activities and more, broken down into curriculum-aligned topics and lessons across years 7 to 10.
- Assign content from *Secondary Teaching Hub* directly to the LMS your students use, like Microsoft Teams or Google Classroom, no separate student logins required.
- Understand where your students are at with reporting dashboards and downloadable progress reports.

Student companion books

- Complementary to the digital hub, providing balance between onscreen and offscreen learning.
- Designed to be a portfolio of learning for students to build on throughout the year.
- Great for flipped learning, active learning, homework, revision and more.

Downloadable resources

- For the resources that just make sense to use as downloads like teaching programs and worksheets.
- Easily accessible as digital versions and downloadables from relevant topics and lessons in the digital hub.

🔗 Content to support a smooth transition to the new curriculum

Everything you need to transition to the new curriculum versions in a way that works best for you and your students.

Secondary Teaching Hub provides access to:

- New digital topics written to give full coverage of the new Australian Curriculum.
- *Pearson Diagnostic* quizzes to diagnose student thinking and understanding and address misconceptions.

Curriculum selection

Select which curriculum you want to show content for in your search results.

- Australian Curriculum v9.0 ▼
- Australian Curriculum v8.4
- NSW Syllabus
- Victorian Curriculum v2.0

Australian Curriculum v9.0

AC9M7A03

solve one-variable linear equations with natural number solutions; verify the solution by substitution

Algebra

Your essential resource for AC Mathematics in 2024

When your school adopts *Secondary Teaching Hub*, teachers are given free access to the digital hub and students can purchase their digital subscription and student companion books via Pearson or your school's bookseller.

ISBN	Secondary Teaching Hub components	Student price
9780655715894	Years 7–10 Mathematics Digital Hub	\$50.00 ▶ Annual subscription
9780655713821	Year 7 Mathematics Student Companion	\$30.00 ▶ Printed book
9780655713838	Year 8 Mathematics Student Companion	\$30.00 ▶ Printed book
9780655713845	Year 9 Mathematics Student Companion	\$30.00 ▶ Printed book
9780655713852	Year 10 Mathematics Student Companion	\$30.00 ▶ Printed book



Schedule a demo at pearson.com.au/teaching-hub