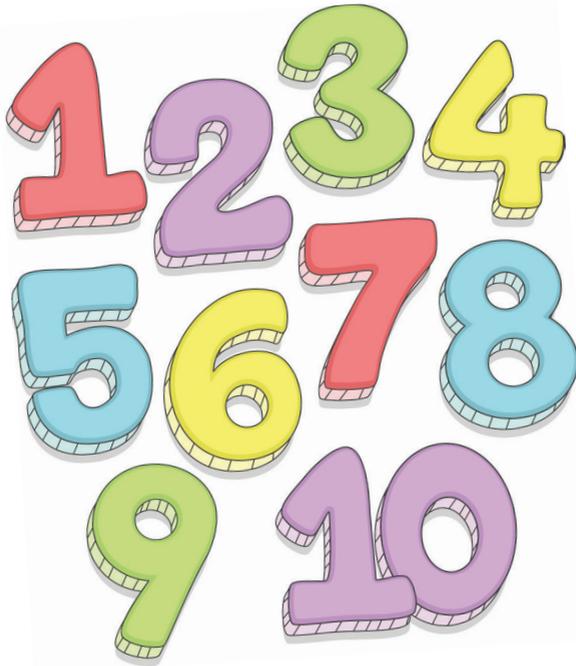




Counting and Shapes

I Can Count

Number and Algebra



Written for the Australian Curriculum: Mathematics

Sara MacDonald | Randall Hall | Richard John

AUSTRALIAN CURRICULUM: MATHEMATICS

Strand:	Number and Algebra, Measurement and Geometry
Sub-strand:	Number and place value, Shape
Descriptor:	Connect number names, numerals and quantities initially up to ten Sort, describe and name familiar two-dimensional shapes

MATHS WORDS

Count, circle, triangle, square, rectangle, star, heart, one, two, three, four, five, six, seven, eight, nine, ten

INFORMATION FOR PARENTS OR CAREGIVERS

Helping your child learn to read is a rewarding and enjoyable experience for both you and your child. Here are some ways you can help your child with their reading.

BEFORE READING

- Introduce the book; read the title and look at the picture on the front cover. Ask what the book might be about.
- Ask your child if they can count and identify the shapes. Do they know the differences between triangles, squares, rectangles, etc.?
- Refer to the maths words above. Discuss each word and its meaning. These words will appear in this book.

DURING READING

- Ensure the book is being held correctly and your child is tracking the words from left to right across the page.
- Encourage your child to look at the pictures for clues if they are unsure of a word.
- Should your child need help to decode a word, break it down into its individual sounds and blend them together from left to right.

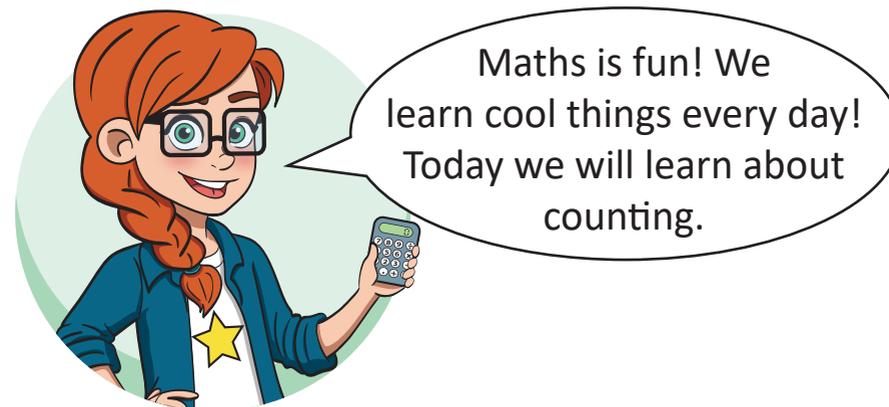
MATHS CONCEPTS IN THIS BOOK

This book addresses two of the three strands of the *Australian Curriculum: Mathematics*, namely, *Algebra and Number* and *Measurement and Geometry*.

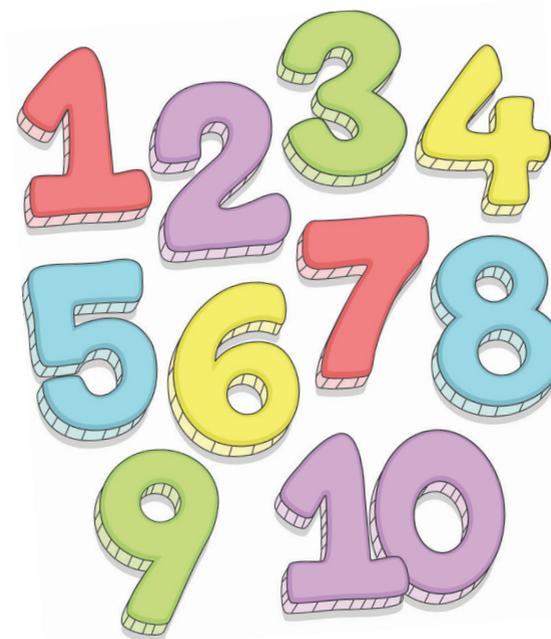
In the *Algebra and Number* strand students are required to relate the **names** of numbers (e.g. one, two, three, four), with the **numerical symbol** (e.g. 1, 2, 3, 4). They are also required to describe and compare **quantities** based on both the named and numerical descriptors. For example, a six (or 6) year-old boy is younger than a nine (or 9) year-old girl; or ten (10) metres is a longer distance than five (5) metres.

This book represents number values in three ways: i) via the number names; ii) via the numerical symbol; and iii) via diagrammatic representations of quantities. All three representations are required to move forward to later years of schooling.

This book also represents and describes characteristics of simple **two-dimensional shapes**—a fundamental requirement to move forward in the *Measurement and Geometry* strand of the curriculum.



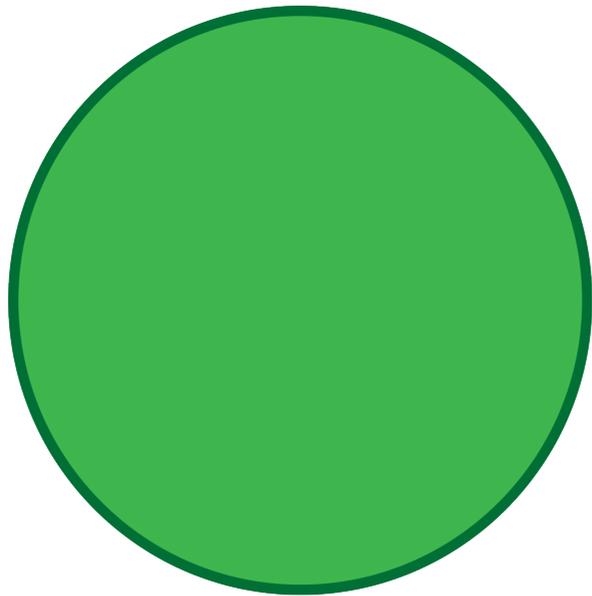
I Can Count



Written for the Australian Curriculum: Mathematics

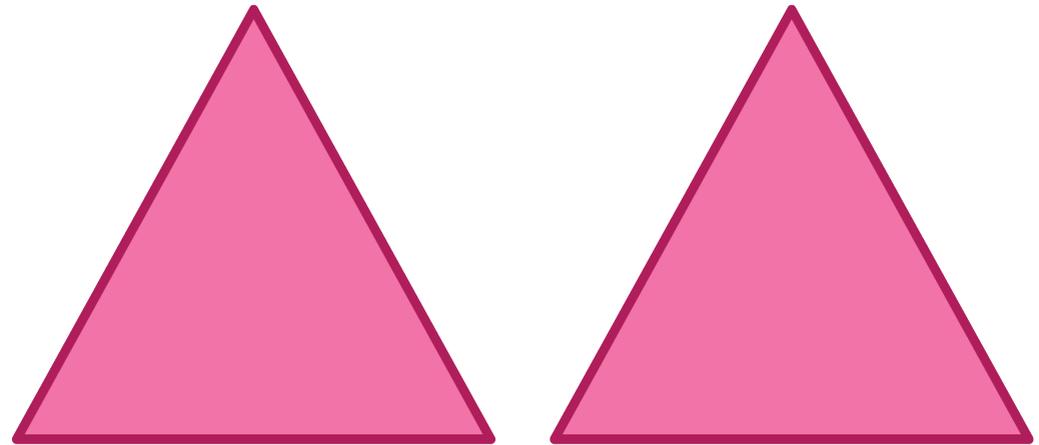
Sara MacDonald | Randall Hall | Richard John

I can count one
green circle.



1 green circle

I can count two
pink triangles.



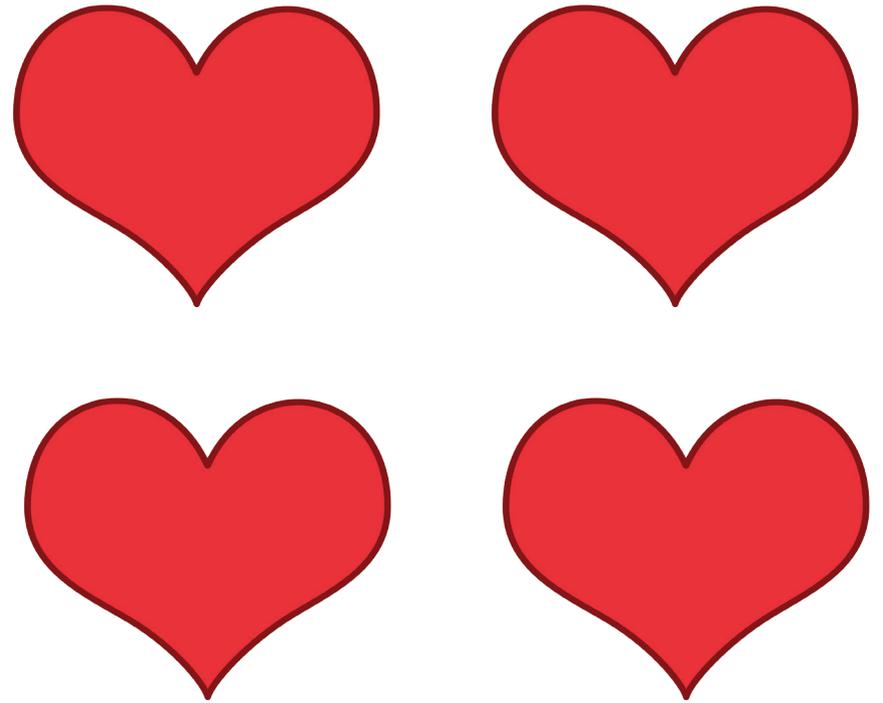
2 pink triangles

I can count three
blue stars.



3 blue stars

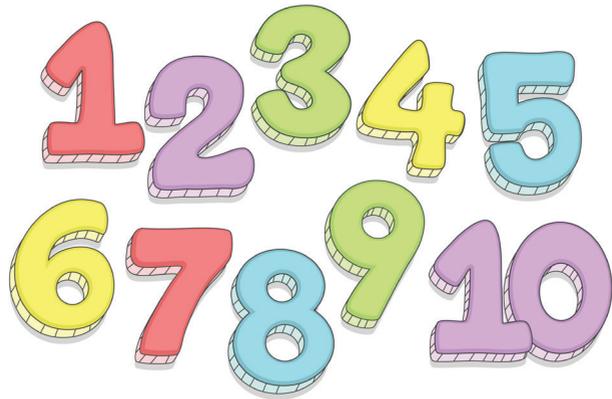
I can count four
red hearts.



4 red hearts

I can count.

One, two, three, four,
five, six, seven, eight,
nine, ten.



AFTER READING

Ask your child what the book was about and encourage them to re-tell it in the order in which it appeared.

Discuss the following with your child to assist them to understand the content of the book:

- Can you write the number for the following names: three, five, eight and ten?
Can you write the names of the following numbers: 2, 4, 7, 9?
- On page 13, in what way are the stars the same?
- How many sides do triangles, squares and rectangles have? What about a circle – how many sides does a circle have?
- How old are you? Can you write both the name of your age and the number?
Can you also do it for your brother, sister or cousin?

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Griffith University

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I Can Count

Number and Algebra

Book 1 of 24

In this book Millie the Mathematician helps us learn to count. She also helps us identify 2-D shapes. We learn the connection between the written name of a number, its numeral and its quantity. We also learn to identify different shapes and consider the differing characteristics of different shapes.

Australian Curriculum: All books in the 'Millie the Mathematician' series are written for the *Australian Curriculum: Mathematics* and align directly to what children learn in the classroom. This book addresses the following content descriptors: "Connect number names, numerals and quantities initially up to ten" from the *Number and Algebra* strand; and "Sort, describe and name familiar two-dimensional shapes" from the *Measurement and Geometry* strand.

PARENTS, READ ALONG WITH MILLIE!

Throughout this book Millie the Mathematician tells us interesting mathematical facts. Use these prompts to encourage further interest and discussion about **counting and shapes** with your child.

Suggested Reading Level:



PM 2-5, Fountas and Pinnell B-D



WOW!
Counting is cool!
And so is maths.

Rotary
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