

Numbers

# Mr Green's Farm

Number and Algebra



Written for the Australian Curriculum: Mathematics

Sara MacDonald | Randall Hall | Richard John

## AUSTRALIAN CURRICULUM: MATHEMATICS

<b>Strand:</b>	Number and Algebra
<b>Sub-strand:</b>	Number and place value
<b>Descriptor:</b>	Subitise small collections of objects Connect number names, numerals and quantities, including zero, initially up to 10 and then beyond

### MATHS WORDS

One, two, three, four, five, six, count

### 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 pictures. Ask your child if they have seen the dots on a dice before? Does the pattern of dots on a dice help them more easily recognise the number of dots on each side of the dice?
- Refer to the maths words above. Discuss each word and its meaning. These words will appear in this book.

#### DURING READING

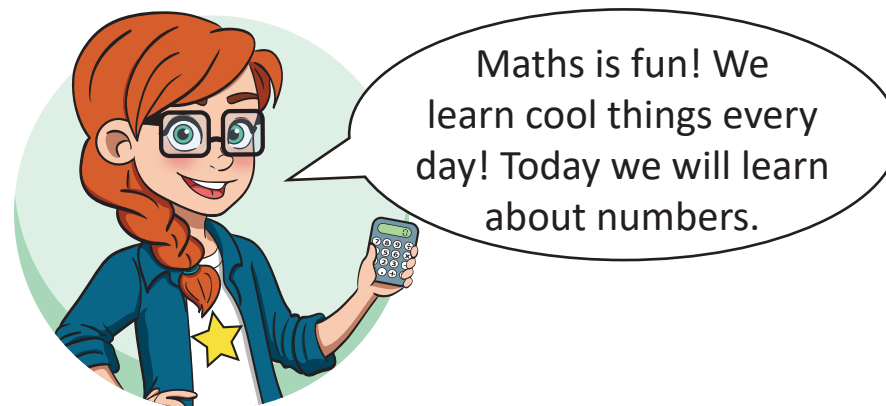
- Ensure the book is being held correctly and your child is tracking the words from left to right across the page.
- Encourage your child to look at the pictures for clues if they are unsure of a word.
- Should your child need help to decode a word, break it down into its individual sounds and blend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

#### MATHS CONCEPTS IN THIS BOOK

This book addresses the *Number and Algebra* strand of the *Australian Curriculum: Mathematics*. In this strand, students are introduced to subitising.

Subitising is the ability to recognise the number of objects in a set, without having to count them. The most common example of subitising is when using a dice. Most people are able to instantly recognise the number of dots on a dice, without having to individually count each dot. This is due to the familiar pattern of dots on each side of the dice. In this book, the patterns of dots on a dice are replicated by the animals on Mr Green's farm, allowing easy recognition of the quantity of objects in the group or collection.

The ability to subitise is important in the development of a child's sense of number as they begin to relate numbers and quantities to actual groups of objects.



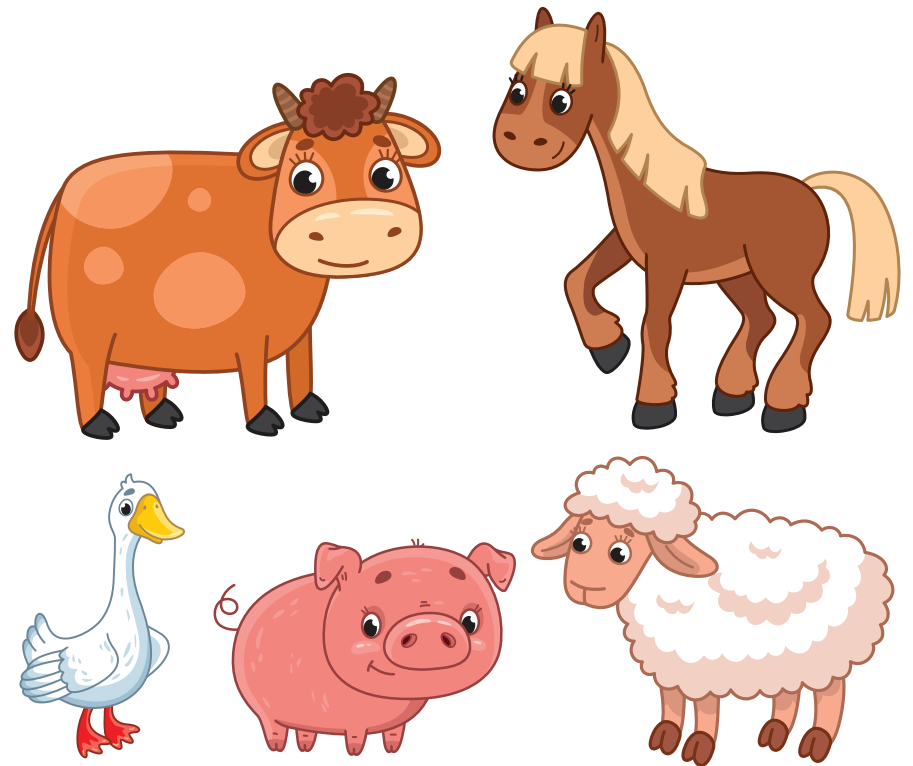
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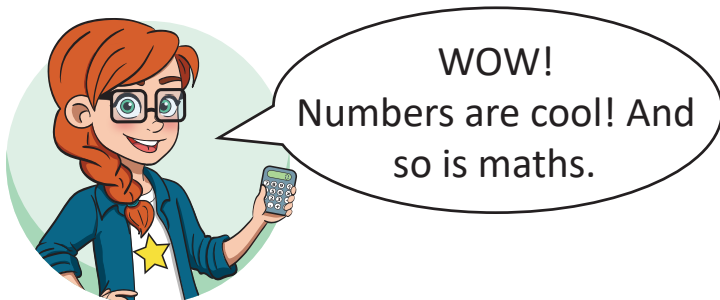
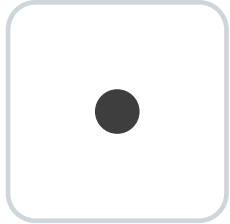
Mr Green has a big  
farm. He has lots of  
animals.



Can you help  
Mr Green count his  
animals?



To help him with all  
his animals, Mr Green  
has just one dog!



## 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:

- Which animal does Mr Green have five of?
- How many different animals can you remember from Mr Green's farm?
- Why do you think the dog was sleeping on the last page?
- Can you think of any games where you have to count?

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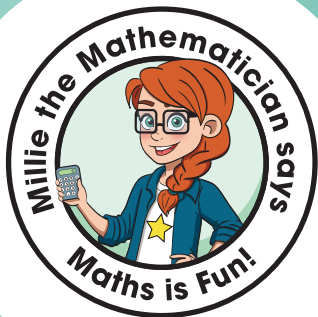
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# Mr Green's Farm

## Number and Algebra

### Book 4 of 24

In this book, Millie the Mathematician helps us learn about number and place value, and how to subitise small collections. We learn that we can recognise how many objects are in a small collection without having to count them. The reader is asked to recognise (i.e. subitise) the number of animals in a collection by looking at groupings that are familiar to them.

**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 content from the *Number and Algebra* strand within the *Number and place value* sub-strand. The specific Australian Curriculum content descriptor addressed is: "Subitise small collections of objects." This book also addresses the content descriptor "Connect number names, numerals and quantities, including zero, initially up to 10 and then beyond."



WOW! Numbers are cool! And so is maths.

## 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 **numbers** with your child.

### Suggested Reading Level:



PM 5-8, Fountas and Pinnell D-E

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