

**Addition**

# Collecting Cans

**Number and Algebra**



**Written for the Australian Curriculum: Mathematics**

Gayle Brent | Randall Hall | Richard John

## AUSTRALIAN CURRICULUM: MATHEMATICS

<b>Strand:</b>	Number and Algebra
<b>Sub-strand:</b>	Number and place value
<b>Descriptor:</b>	Represent and solve simple addition problems using a range of strategies including counting on, partitioning and rearranging parts.

### MATHS WORDS

Number line, tens frames, counting on, numbers to 20

### 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. Make a prediction – what might the book be about?
- Look through the book and talk about the pictures. Ask your child if they know how to use a number line and tens frames? Do they know how to count on from a number?
- Refer to the maths words above. Discuss each word and its meaning. These words will appear in this book.

#### DURING READING

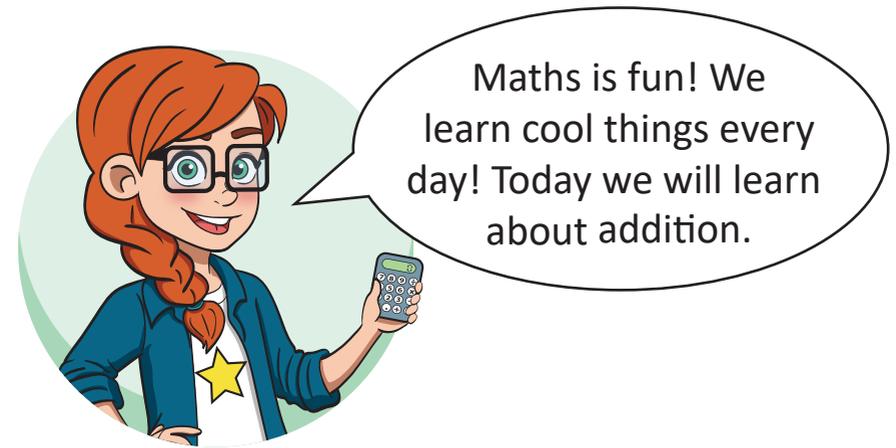
- At this level, your child should attempt to read their home reader on their own. They may be unsure of some words. Encourage them to break these words down into their individual sounds, blending them together from left to right.
- On the pages where Millie the Mathematician appears, discuss the maths vocabulary and interesting mathematical information presented.

#### MATHS CONCEPTS IN THIS BOOK

This book addresses the *Number and Algebra* strand of the *Australian Curriculum: Mathematics*. In the early stages of this strand, students are required to count small collections of objects and solve simple addition and subtraction problems using a range of strategies.

For counting, this includes the use of *tally marks*. For simple addition problems this can involve the following: using *number lines*; *rearranging parts*; *counting on* from the largest number; and the use of a *tens frame*.

All of the above approaches are used in this book and can be easily practiced at home.



# Collecting Cans



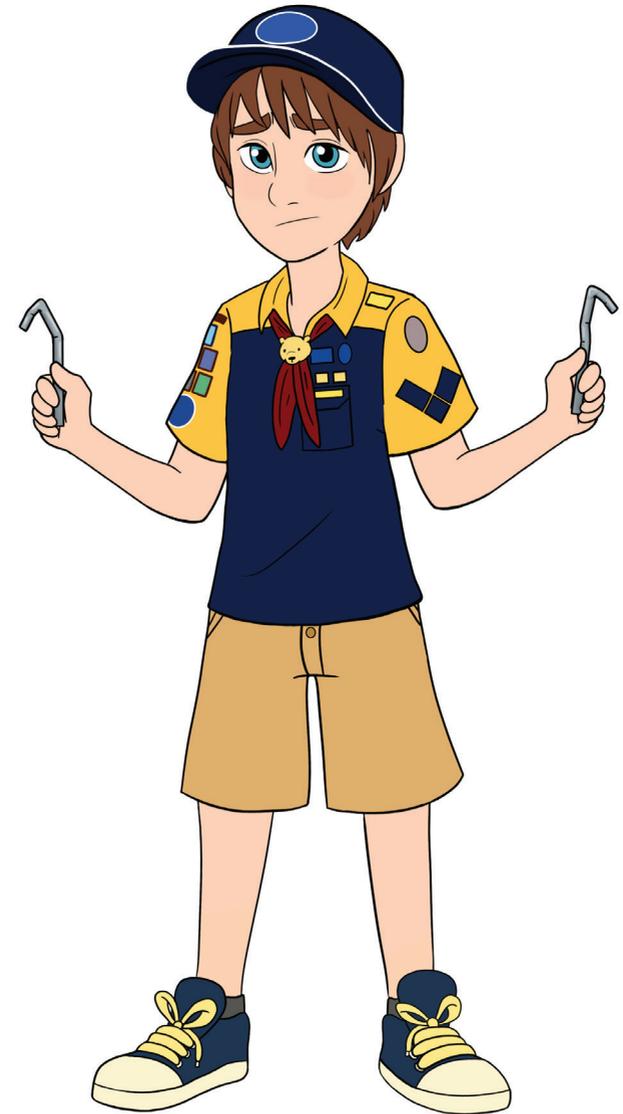
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Jack is in the Cubs.

The Cubs have been collecting cans to get money for new tent pegs.

It is time to see how many cans they have collected.



Last week Jack collected three cans.

This week he collected one more can.

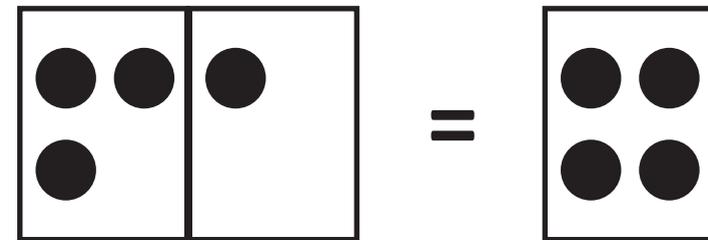
How many cans does he have now?



*Last week*



*This week*



$$3 + 1 = 4$$

Jack collected four cans in total.



“Hooray,” says Jack. “Just in time for our Cub camp!”



WOW! Addition is cool! And so is maths.

## 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:

- How many cans did Jack collect this week? How many cans did he collect in total?
- Why do you think Jack’s Cub pack was collecting cans?
- Did the Cubs have enough money to buy new tent pegs? Would they have had enough for a new tent?
- What sort of things have you done to raise money at school or at your sports club?

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# Collecting Cans

Number and Algebra

Book 8 of 24

In this book Millie the Mathematician helps us solve addition problems using a range of strategies. Jack and his Cub pack are collecting cans to raise money to buy tent pegs. They must add up the total number of cans collected from each member of the Cub pack and use a range of addition strategies to help.

**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: "Represent and solve simple addition problems using a range of strategies including counting on, partitioning and rearranging parts."



WOW!  
Solving problems  
is 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 **solving simple addition problems** with your child.

### Suggested Reading Level:



PM 8-12, Fountas and Pinnell E-G

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