

Skip counting

Counting Coins

Number and Algebra



Written for the Australian Curriculum: Mathematics

Gayle Brent | Randall Hall | Richard John

AUSTRALIAN CURRICULUM: MATHEMATICS

Strand:	Number and Algebra
Sub-strand:	Number and place value Money and financial mathematics
Descriptor:	Develop confidence with number sequences to and from 100 by ones from any starting point. Skip count by twos, fives and tens starting from zero. Count and order small collections of Australian coins and notes according to their value.

MATHS WORDS

Coin, coins, count, skip counting, money, two, five, ten, twenty, dollar, cents

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 count in ones, twos, fives and tens to 100.
- Refer to the maths words above. Discuss each word and its meaning. These words will appear in this book.

DURING READING

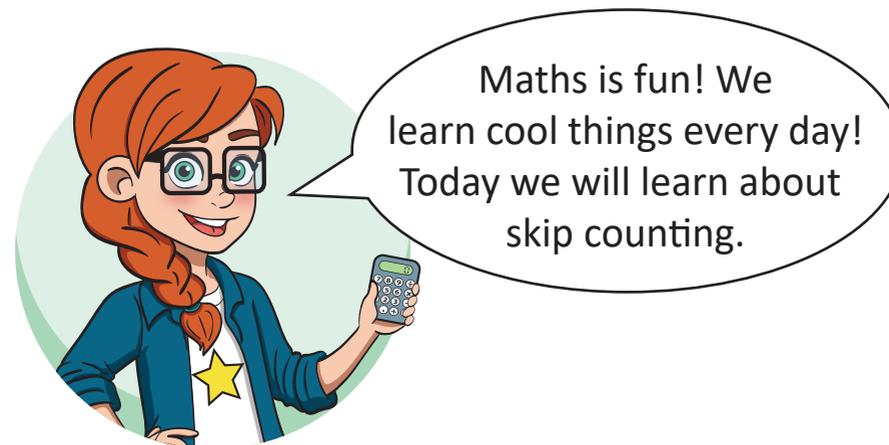
- At this level, your child should attempt to read their home reader on their own. They may be unsure of some words. Encourage them to break these words down into their individual sounds, blending them together from left to right.
- On the pages where Millie the Mathematician appears, discuss the maths 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 years of this strand, students are required to develop their confidence when counting to and from 100. Students are also required to sort and count large numbers of objects using a range of techniques including the use of tally marks and the use of skip counting approaches.

Initially, students learn to skip count by twos up to 20 – i.e. 2, 4, 6, 8, 10, 12, 14, 16, 18, 20. As they further develop their confidence, students can extend this skill by counting and identifying all even numbers up to 100. This is followed by skip counting by fives (i.e. 5, 10, 15, 20 ...) and tens (i.e. 10, 20, 30, 40 ...) up to 100.

Students recognise that when skip counting in tens, all the numbers end in zero; when skip counting by fives they recognise that all the numbers end in a five or zero.



Counting Coins



Written for the Australian Curriculum: Mathematics

Gayle Brent | Randall Hall | Richard John

“It’s my Nan’s birthday,” says Erin. “I want to buy her a nice present.”

“Can you help me count my coins?” she asks Millie the Mathematician.

“Of course!” says Millie. “Let’s sort the coins into groups.”

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

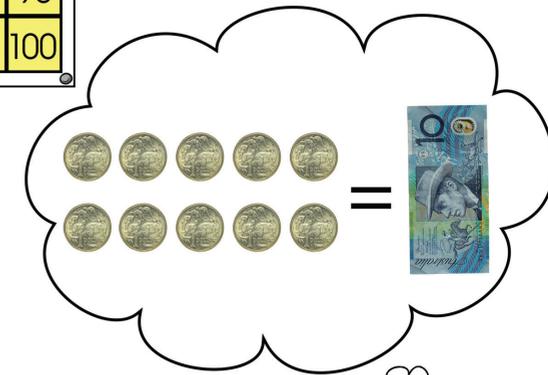


Erin counts the one-dollar coins first.

“1, 2, 3, 4, 5, 6, 7, 8, 9, 10,” she counts.

“That’s ten dollars!” says Millie.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



HOW MUCH MONEY?

How many dollars?



How many cents?



How many cents?



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 much money did Erin have in two-dollar coins? How much did she have in five-cent coins?
- What did Erin plan to buy for her Nan?
- Why did Erin count her money by twos, fives and tens?
- Are you saving your money? What do you hope to buy?

First published in Australia in 2018
Griffith University

Copyright © Gayle Brent, Randall Hall, Richard John 2018

Reproduction and communication

Apart from any fair dealing for the purposes of private study, research, criticism or review, as permitted under the Act, no part of this book may be reproduced, stored in a retrieval system, communicated or transmitted in any form or by any means without prior written permission. Inquiries should be addressed to the publisher.

National Library of Australia Cataloguing-in-Publication data:

Brent, Gayle; Hall, Randall; John, Richard

Counting Coins

ISBN: 978-0-6484079-1-1

Printed in Australia

Acknowledgements

Series Illustrators: Carissa Harris, James Elms, Gemma Duffill

Series Graphic Artist: Carissa Harris

Cover Design: Sam Dunn

Series Consultants: Samantha Hutchinson, Gayle Brent, John Robertson

Images: Shutterstock

Community Partners

The authors gratefully acknowledge the support of the following people and organisations for their assistance in the production and distribution of this series:

Jock and Beverly McIlwain, Mermaid Waters, Queensland, Australia

Griffith University, Queensland, Australia

Rotary International, Australia, District 9640

P&Cs Qld



Counting Coins

Number and Algebra

Book 11 of 24

In this book Millie the Mathematician helps us learn to skip count as she helps Erin to count the money she has saved. Millie and Erin sort and group Australian coins: one-dollar coins, two-dollar coins, five-cent coins and ten-cent coins. Millie then helps Erin to count her money by skip counting in twos, fives and tens.

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 main Australian Curriculum content descriptor addressed is: "Develop confidence with number sequences to and from 100 by ones from any starting point. Skip count by twos, fives and tens starting from zero."



WOW!
Skip counting 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 **skip counting** with your child.

Suggested Reading Level:



PM 12-16, Fountas and Pinnell G-1

Rotary
District 9640



Griffith
UNIVERSITY
Queensland, Australia

P&CQld
Supporting State Schools

ISBN 978-0-6464079-1-1



9 780648 407911

Griffith University | Queensland, Australia
www.milliethemathematician.com.au