

Maths Book Recommendations

Phase 1– Years 1, 2 and 3

Penguin Place Value

A Math Adventure



Kathleen L. Stone

Penguin Place Value by Kathleen L. Stone

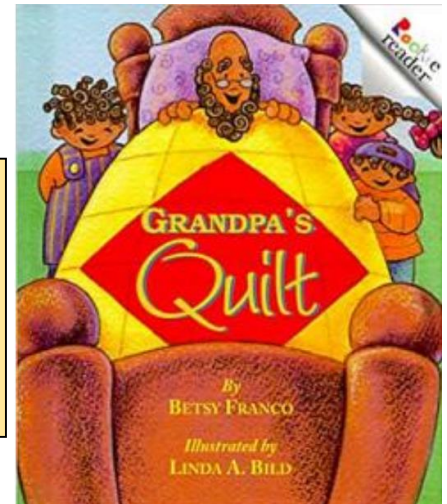
<https://www.youtube.com/watch?v=SgeYSmcrHBc>

“Six boxes make sixty, now don't forget the four, that's 64 fish, to be sold at their store.” Help this happy little family of penguins discover how many fish they've caught using your place value skills!

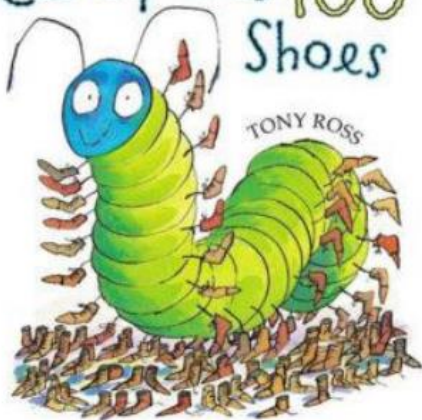
Grandpa's Quilt by Betsy Franco

https://www.youtube.com/watch?v=qXl1_6esJ2M

Grandpa's Quilt is about three small children who help their grandpa, who is having trouble getting his quilt to cover his feet! Great for discussion on growth and measuring.



Centipede's 100 Shoes



Centipede's 100 Shoes by Tony Ross

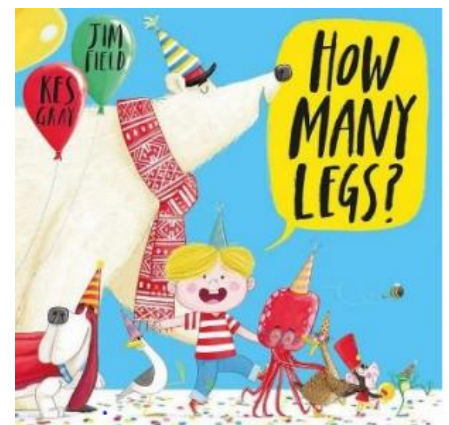
<https://www.youtube.com/watch?v=MECCYSENatg>

A funny tale of a centipede who gets sore feet and needs shoes and socks to help with his problem. Having always thought he had 100 feet, Centipede eventually realises that he doesn't have that many. In the end he gives up on the footwear and redistributes them to his lesser-footed friends.

How Many Legs by Kes Gray and Jim Field

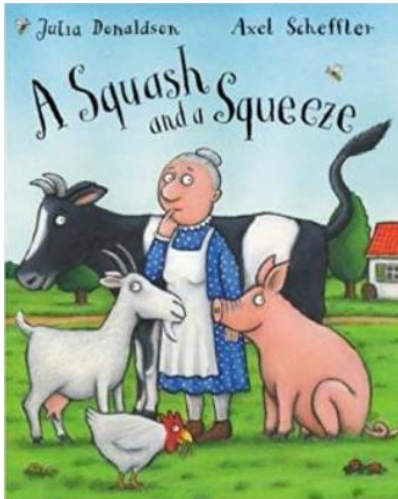
<https://www.youtube.com/watch?v=anVfq-T-J0>

This fantastic author-illustrator duo always bring laughter into learning with their books and this time you get a helping of maths at the same time. Starting simply, the reader is asked to add different numbers of animal legs. The difficulty level increases as the book progresses and children love comparing their results at the end (with big cheers from those who get it correct).



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Phase 1– Years 1, 2 and 3



A Squash and a Squeeze by Julia Donaldson

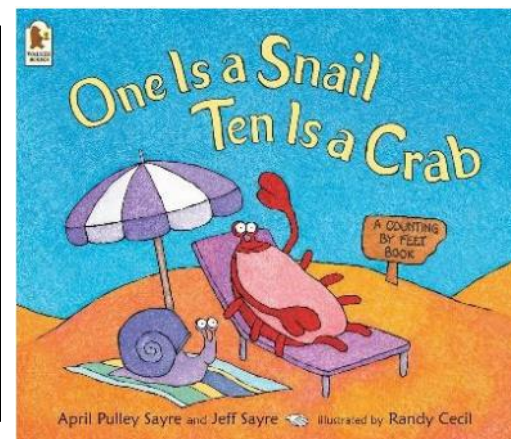
<https://www.youtube.com/watch?v=PkdX73Onf04&t=1s>

A fun problem solving book which focuses on space and measures, and the concept of making things bigger and smaller. Discuss what changed (the number of occupants) and stayed the same at each point in the story (the size of the house). Possible questions: What else? Count how many feet/ears/eyes are in the house at different points in the story. Which animals would you have in your house and why? Is it better to have 2 pigs and 1 chicken, or 8 chicken and 1 cow? Convince me!

One is a Snail, Ten is a Crab by April Sayre and Jeff Sayre

<https://www.youtube.com/watch?v=VyDTpj8uxs8&t=146s>

A really enjoyable and clever mathematical story. The book gets children thinking about the concept of multiplication and scaling by comparing feet. Discuss what changed (the number of feet, the creature) and stayed the same at each point in the story (always one creature). What else? I wonder what creatures you could use to make 20 legs? If I had 2 creatures in my pocket, what are the greatest and smallest number of legs I could have?



Spinderella by Julia Donaldson

<https://www.youtube.com/watch?v=QTypMhIrvFc>

Spinderella is a spider who lives with her spider mum and spider brothers and sisters at a school. Every day, Spinderella and her siblings watch the children in class and, one day, decide to play football themselves. The spiders love football, but they hate numbers. They don't want to count the goals or anything. Luckily, Spinderella's Hairy Godmother comes along just in time to help. A story about numbers, football and family, Spinderella is an enjoyable read for children just starting to learn maths,

