

Connecting Children's Literature to Mathematics



Presented By

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*Teachers are the key to
improving mathematics
education...*

Glenda Lappan
NCTM President
October 1998

Objective

To open the doors of thinking so that children can be exposed to Mathematics through a variety of literature.



Patterns

Geometry



Rectangles



Triangles



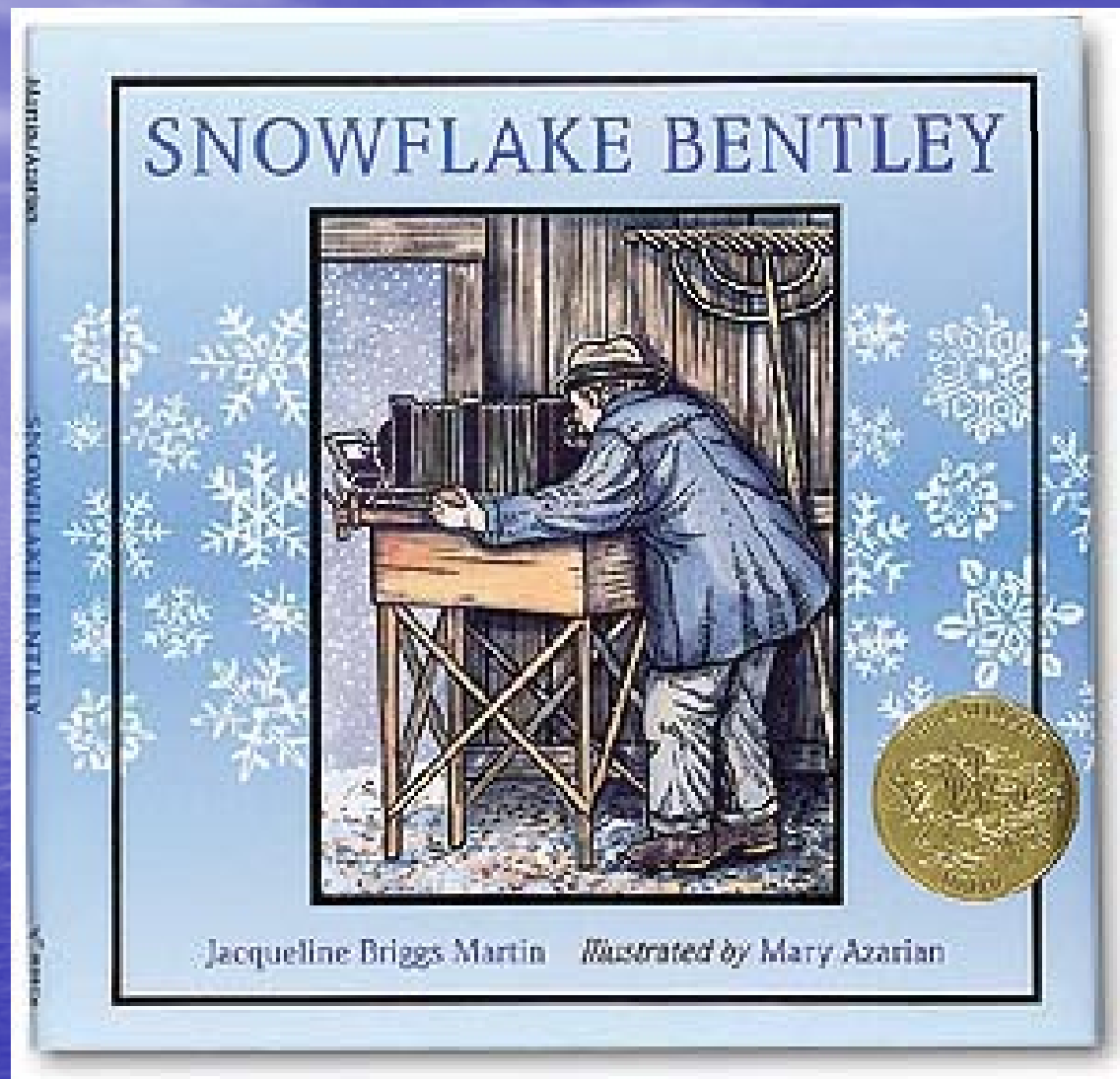
Circles



We see Mathematics everywhere!

It's found in nature...





and throughout literature

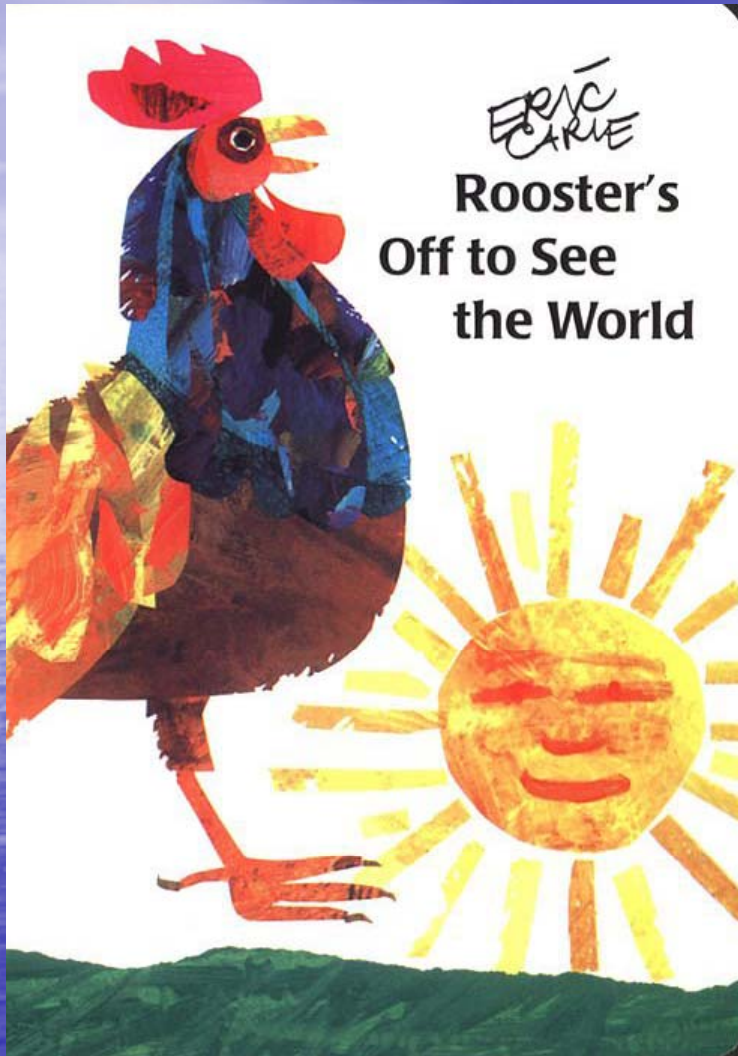
Go, Dog. Go!



by P.D. Eastman

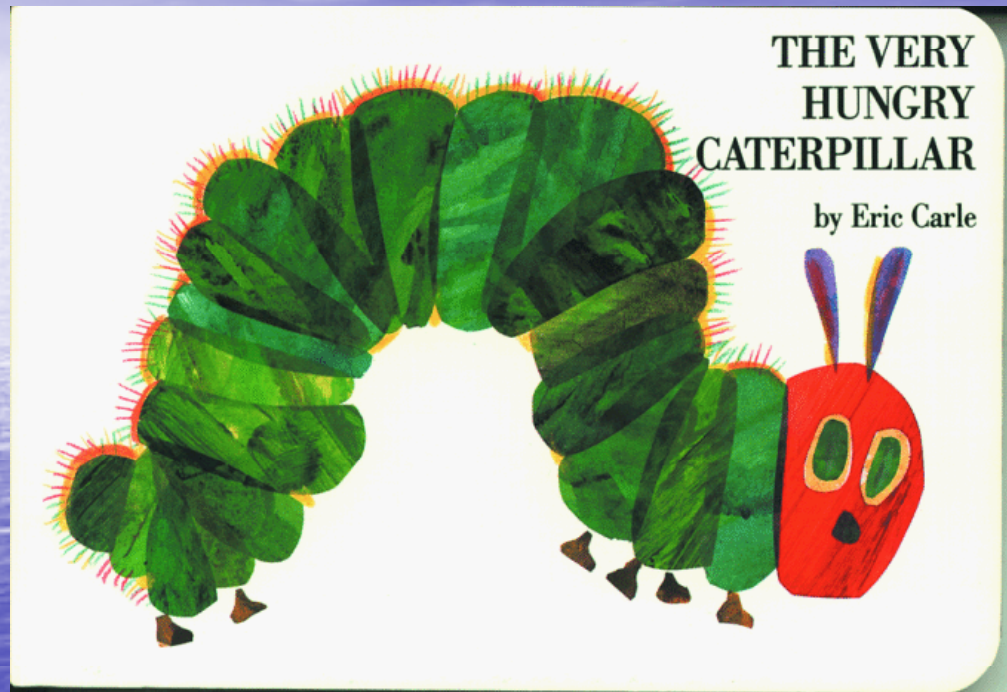
Go Dog Go

- Patterns
- Sequences
- Time
- Grouping
- Counting and basic addition



Rooster's Off To See The World

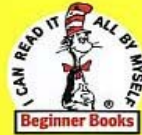
- **Addition**
- **Sequencing**
- **Subtraction**
- **Geometry**



The Very Hungry Caterpillar

- Counting
- Geometry
- Classification
- Good links to other subject areas

By **Dr. Seuss**



One fish



two fish



red fish



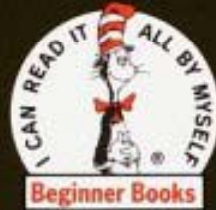
blue fish



One Fish Two Fish

- Number sequences
- Skip counting
- Classification

Ten Apples Up On Top!



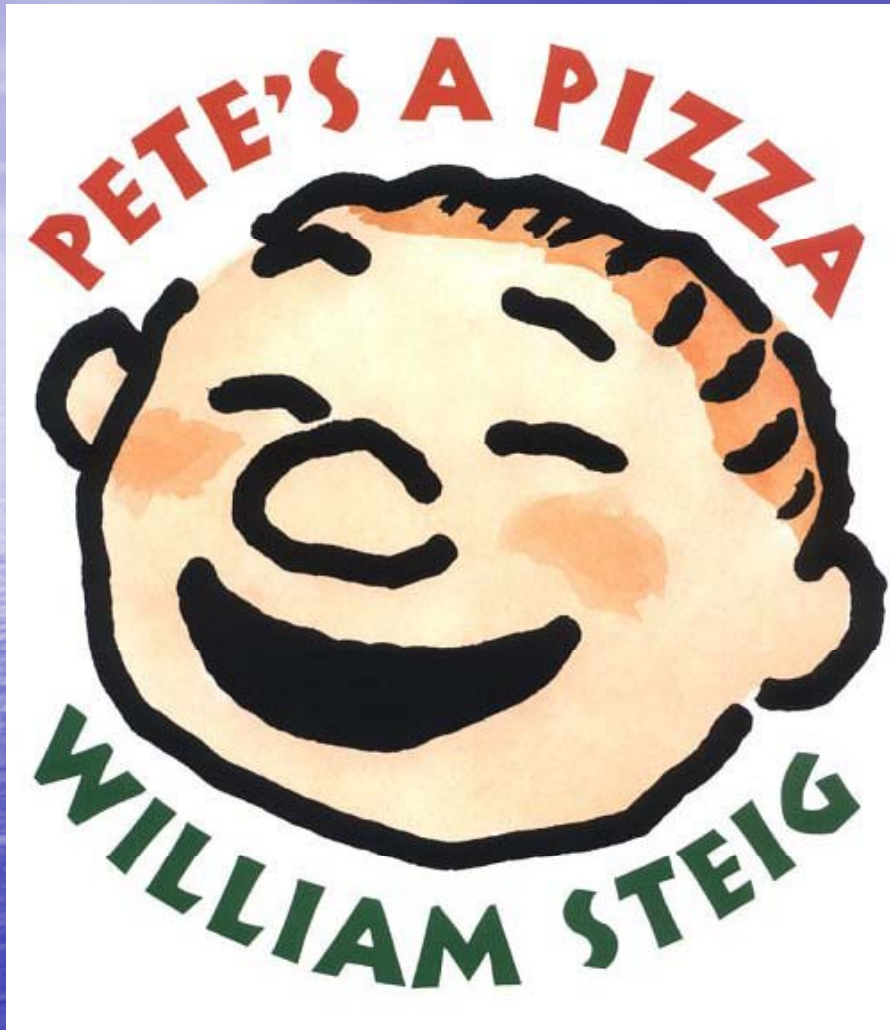
75
WORD
VOCABULARY



by Theo. LeSieg
illustrated by Roy McKie

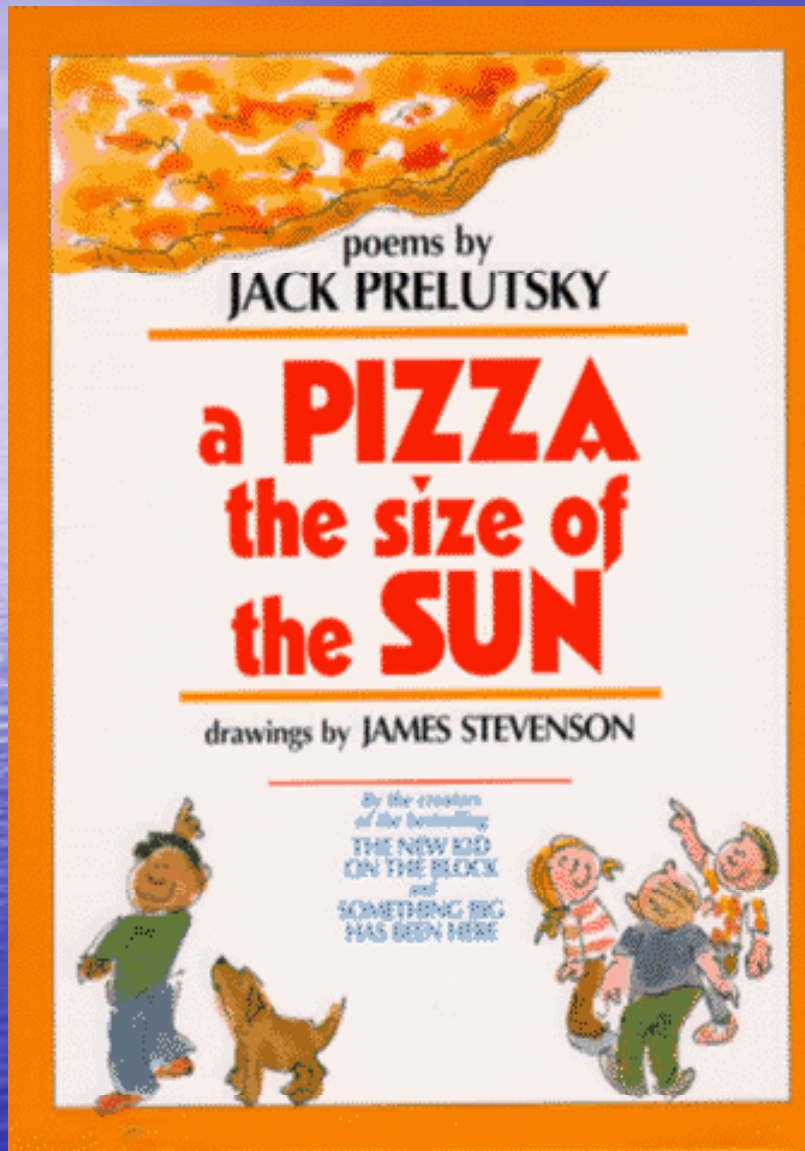
Ten Apples

- Counting to ten
- Introduction to Geometric Shapes



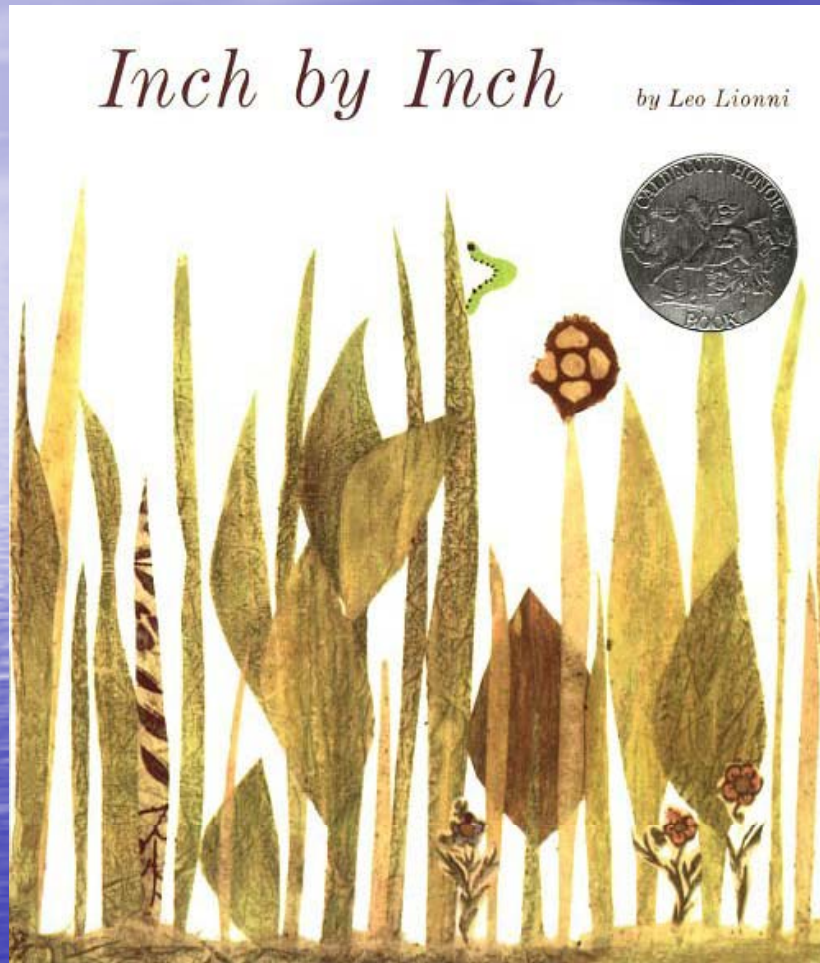
Pete's a Pizza

- Fractions
- Geometric Shapes
- Money



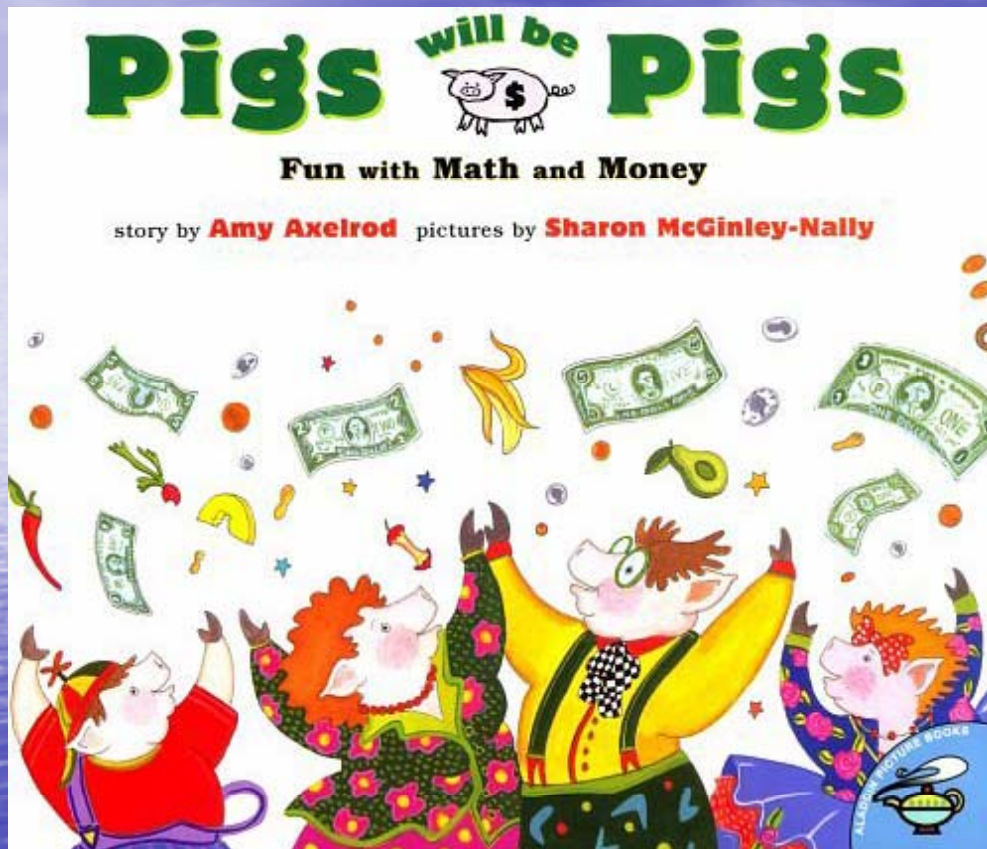
A Pizza The Size Of The Sun

- Measurements
- Distance
- Fractions
- Infinity



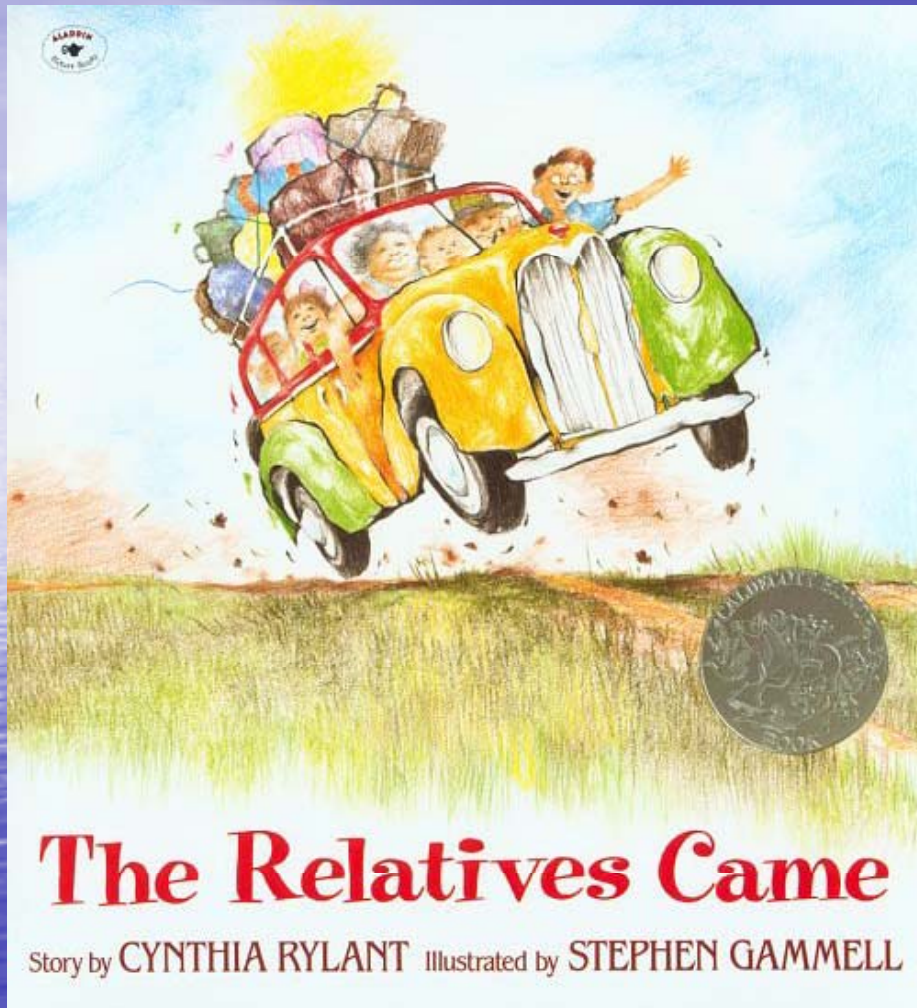
Inch By Inch

- **Measurement**
- **Area**
- **Pentominoes**



Pigs Will Be Pigs

- Menu Math
- Measurement
- Addition
- Percentages
- Money

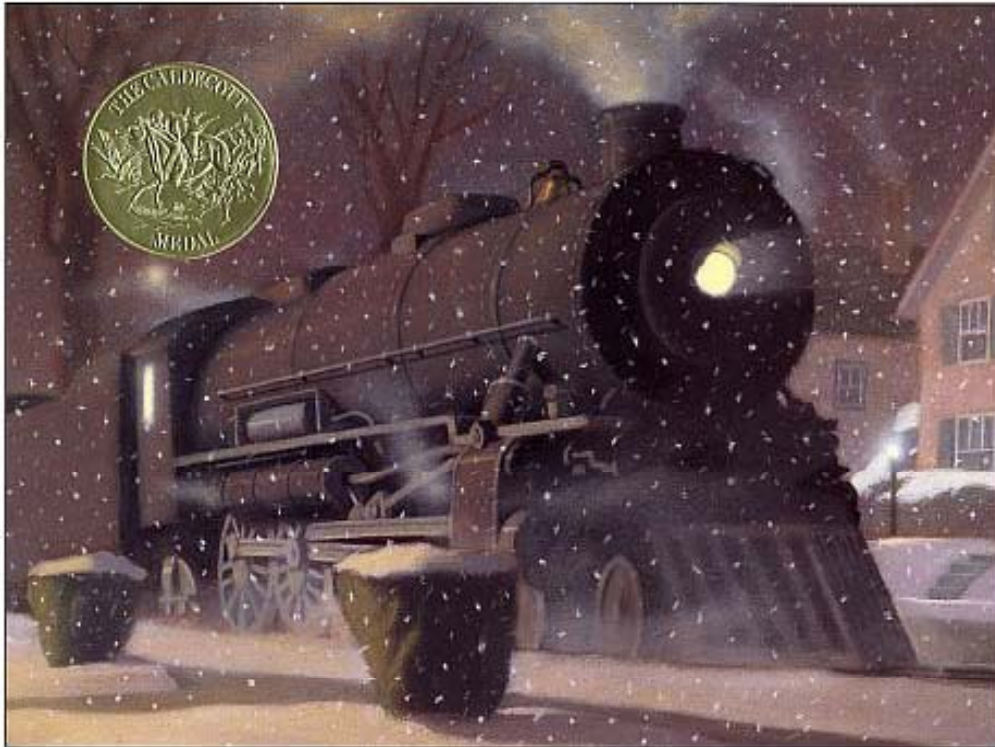


The Relatives Came

Story by CYNTHIA RYLANT Illustrated by STEPHEN GAMMELL

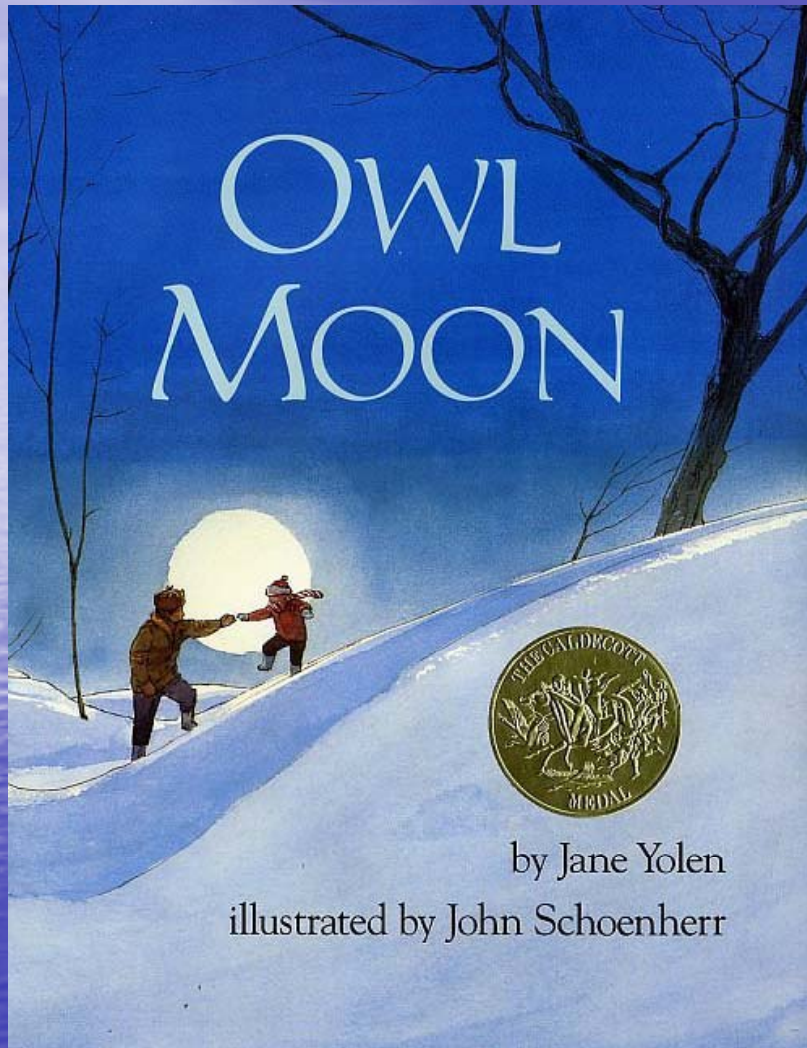
- **The Relatives Came**
- **Measuring distance**
- **Measuring with cooking utensils**
- **Sequencing**
- **Ordinal numbers**

THE POLAR EXPRESS



The Polar Express

- Measurement
- Time
- Estimation



Owl Moon

- Time
- Estimation
- Temperature -
Graphing

**MAKE WAY FOR
DUCKLINGS**

Robert McCloskey



**Make Way For
Ducklings**

- **Ordinal numbers**
- **Addition**
- **Subtraction**

Last Thoughts ...

The best classrooms are literacy havens where students flourish as readers, writers, and learners as they explore their physical and social world.

Fountas & Pinnell

Books scanned for easier viewing

*Alexander Who Used to Be Rich
Last Sunday-* Judith Viorst

Owen and Mzee- Hatkof, Hatkof,
and Kahumbu