

Uma Wimple Charts Her House

by Reif Larsen and Ben Gibson

AGE LEVEL 7–10 YEARS

About the Story

Uma Wimple *loves* to make charts: pictures, lists, diagrams, and graphs. She made her first chart—of her family's fingers—at age 4. She thinks “a good chart should make you see the world in a new way.” One day, her homework assignment is to make a chart of her home. She thinks, “What makes a house housey?” With great persistence, she learns that a house is not just lines and angles but... Read this beautifully illustrated and funny (not pedantic) book to learn the lovely answer.



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Words to Learn

Pie Chart, Bar Chart, Venn Diagram, Pyramid Chart, Tree Chart, Survey

About the Math

The math in this book involves different kinds of charts:

- A Pie Chart shows how a whole is divided into parts (number of pie slices for family members)
- A Bar Chart shows the frequencies of different things or events (number of screen hours for family members)
- A Venn Diagram shows what groups do and do not have in common (some children like cats, some like dogs, and some like both)
- A Pyramid Chart shows how things are arranged from most important (or largest) to least important (or smallest)
- A Map shows the location of objects
- A Tree Chart shows where things come from (like family ancestry)



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Math Talk During Reading

TALK ABOUT THE DIFFERENT CHARTS

For the *Who holds hands?* Bar Chart, ask: “In this book, how many times did grownups hold hands with kids? A lot? A little? (4) How many times did kids hold hands with kids? (3) How many times did grownups hold hands with grownups? (1) And the dog? (It doesn’t belong: It never holds hands!)”

For the *Pegasus/Unicorn* Venn Diagram, ask, “What does the diagram show? (Horses with wings, horses with horns, and horses with both wings and a horn.) What pictures are missing? (Horses with wings only and horses with horns only.)”

Try to come up with some of your own questions and comments, too!

Activity A After Reading

CREATE DIFFERENT CHARTS ABOUT YOUR OWN HOME

Create a Bar Chart to show the number of different colored socks or different toys that your child has and a map to show the location of different objects and pieces of furniture in your child’s room.

Mathical

BOOK PRIZE

The Mathical Book Prize recognizes math-inspiring literature for kids ages 2-18. Prize-winning books are selected by a committee of teachers, librarians, mathematicians, and others. To get the Mathical List, plus reading guides, book reviews, and more, see mathicalbooks.org

PreK WINNERS:

Again, Essie? by Jenny Lacika
Baby Goes to Market by Atinuke
Crash! Boom! A Math Tale by Robie H. Harris
8: An Animal Alphabet by Elisha Cooper
Have You Seen My Dragon? by Steve Light
Lia & Luis: Who Has More? by Ana Crespo
One Fox: A Counting Book Thriller by Kate Read
1 Smile, 10 Toes by Nelleke Verhoeff
ONE Very Big Bear by Alice Brière-Haquet

GRADES K-2 WINNERS:

Absolutely One Thing: Featuring Charlie and Lola by Lauren Child
The Animals Would Not Sleep by Sara Levine
Max's Math by Kate Bank
Nothing Stopped Sophie: The Story of Unshakable Mathematician Sophie Germain by Cheryl Bardoe
One Big Pair of Underwear by Laura Gehl
Pigeon Math by Asia Citro
Sheep Won't Sleep: Counting by 2s, 5s, and 10s by Judy Cox
Uma Wimple Charts Her House by Reif Larsen and Ben Gibson
Zero Zebras: A Counting Book about What's Not There by Bruce Goldstone

PreK HONOR TITLES:

Animal Shapes by Christopher Silas Neal
Circle Under Berry by Carter Higgins
Count the Monkeys by Mac Barnett
Count with Maisy, Cheep, Cheep, Cheep! by Lucy Cousins

Goodnight, Numbers
 by Danica McKellar

I Know Numbers by Taro Gomi
Marta! Big and Small by Jen Arena
A Mousy Mess by Laura Driscoll
Numbers Everywhere
 by Linda Leopold Strauss
One Happy Tiger
 by Catherine Rayner
100 Bugs! A Counting Book
 by Kate Narita

One Is a Piñata: A Book of Numbers
 by Roseanne Greenfield Thong
Over in a River: Flowing Out to the Sea by Marianne Berkes
Press Here by Hervé Tullet
Round by Joyce Sidman
Shape Up, Construction Trucks
 by Victoria Allenby
Usha and the Big Digger
 by Amitha Jagannath Knight
What Will Fit? by Grace Lin

GRADES K-2 HONOR TITLES:

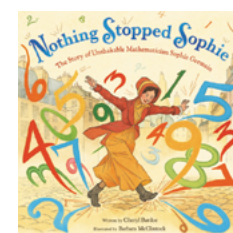
Billions of Bricks: A Counting Book about Building by Kurt Cyrus
Bird Count
 by Susan Edwards Richmond
The Boy Who Loved Math
 by Deborah Heiligman
Cao Chong Weighs an Elephant
 by Songju Ma Daemicke
Counting on Katherine:
How Katherine Johnson Saved Apollo 13 by Helaine Becker

Counting the Stars: The Story of Katherine Johnson, NASA Mathematician by Lesa Cline-Ransom
Count on Me by Miguel Tanco
The Girl With a Mind for Math: The Story of Raye Montague
 by Julia Finley Mosca
How Many Jelly Beans? A Giant Book of Giant Numbers! by Andrea Menotti
Is 2 a Lot?: An Adventure with Numbers by Annie Watson
Lemonade in Winter: A Book About Two Kids Counting Money
 by Emily Jenkins

Lifetime: The Amazing Numbers in Animal Lives by Lola M. Schaefer
One Boy Watching by Grant Snider
Shapes, Reshape! by Silvia Borando
3x4 by Ivan Brunetti
Too Many Pigs and One Big Bad Wolf
 by Davide Cali
We Are One: How the World Adds Up
 by Susan Hood
When Sophie Thinks She Can't
 by Molly Bang
Zero the Hero by Joan Holub

HALL OF FAME TITLES:

Anno's Counting Book
 Mitsumasa Anno
Hippos Go Berserk! by Sandra Boynton
One Grain of Rice: A Mathematical Folktale by Demi
The Very Hungry Caterpillar
 by Eric Carle



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