

Storytelling Math celebrates children using math in their daily adventures as they play, build, and discover the world around them. Joyful stories and hands-on activities make it easy for kids and their grown-ups to explore everyday math together.

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# Who Jumps More?

Math activities by Marlene Kliman, TERC



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## About the Book

Olivia and Mei jump in the snow all the way to the tree. Olivia makes lots of small hops like a bunny. Mei takes a few big leaps like a deer. Who jumped more?

## About the Math

Who jumps more: Olivia or Mei? They both jump to the tree, but Olivia gets there in more but smaller jumps (like a rabbit), while Mei takes fewer but bigger jumps (like a reindeer). As they compare their footprints, they encounter measurement ideas such as unit (jump size) and distance. They also realize there's more than one meaning of "more"! Young children build their understanding of measurement as they explore size, distance, and other quantifiable features of the world around them.

As you go about the day, look for opportunities to engage children in comparing height, length, and weight. Encourage them to explain how they know which is "more."

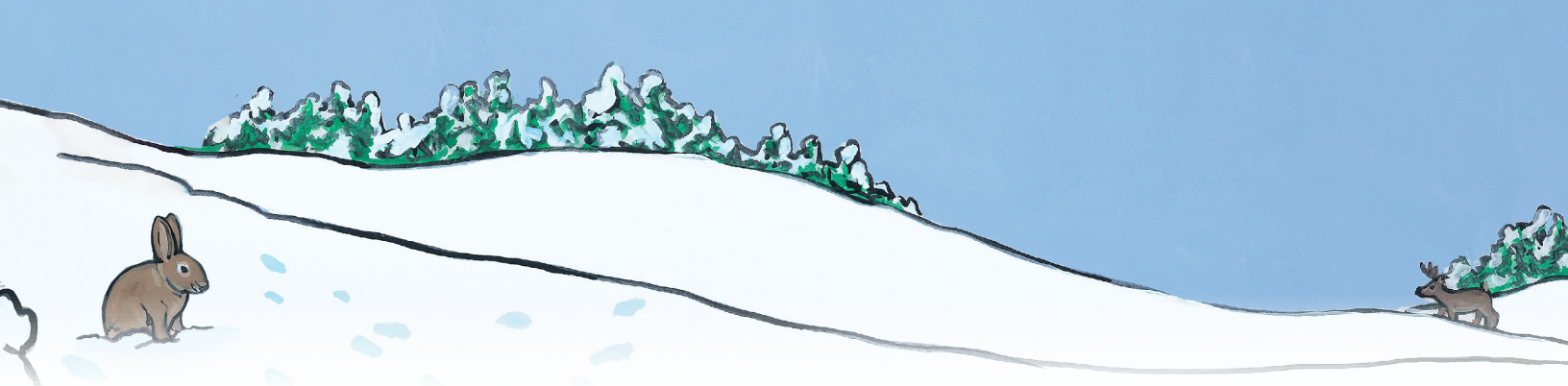
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## About the Author/Illustrator

Grace Lin is a *New York Times* best-selling author, a National Book Award finalist, and a recipient of the Children's Literature Legacy Award. She has won the Caldecott Honor, the Newbery Honor, the Geisel Honor, and many other awards for her books.

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# Who Jumps More?

## Math Activities

Explore measurement and proportion with these activities!

### Draw Footprint Paths

Invite children to imagine that a T. rex and a penguin are taking a walk together. Have children draw or use stickers to show the footprints the animals would make. Encourage them to think about which animal would take larger steps and which would take more steps.

### Make Footprint Paths

Try this on sand or snow. Each person chooses an animal and a special way the animal moves (a strutting chicken or a leaping frog, for example). Everyone moves like their animal from a starting point to an ending point. Compare footprint paths.

### Build!

Gather cardboard tubes in two sizes, such as paper-towel tubes and toilet-paper tubes. As children build with the tubes, look for opportunities to talk about more and less. "One big tube fits across the chair. I wonder if you'd need more little tubes to fit across the chair."



### Dance Like an Animal

Everyone chooses an animal and imagines how that animal would dance. Put on some music and have a dance party! Try guessing someone else's animal based on the way they dance.