

# Lia & Luís

Who Has More?



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Luis is always quick to brag.

My tower  
is taller!

Usually his sister doesn't mind.





An illustration of two children playing on a blue rug. On the left, a boy with dark curly hair, wearing a red and white striped shirt and blue pants, is kneeling and looking towards the girl. A speech bubble above him says "Ai, não!". On the right, a girl with dark hair in a bun, wearing a yellow shirt and a purple dress, is sitting cross-legged with her arms crossed, looking at the boy. Between them are several wooden blocks; one is stacked vertically, and others are scattered. A brown dog is on the left, looking at the boy. The background shows a yellow wall and a wooden table.

Ai, não!

Lia enjoys taking her time.

But when they run downstairs  
to their family's store and pick  
their favorite Brazilian snacks ...

I want biscoito  
de polvilho, Papai!

Coxinhas  
de galinha, please!



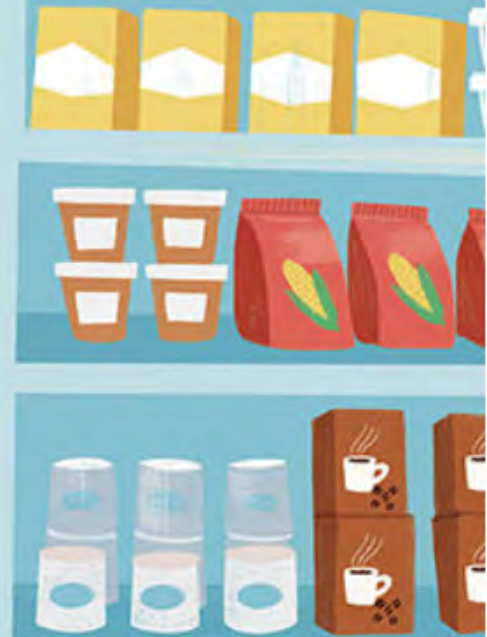


Luis starts bragging.

I have more!



And Lia doesn't like it.



For once Luís has a point.



His bag of tapioca biscuits is bigger than Lia's bag of croquettes.

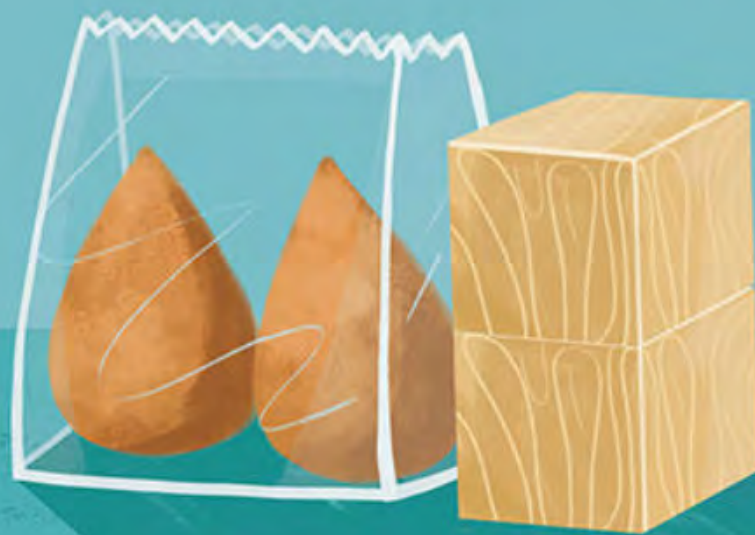




It's taller.  
Wider.  
Deeper.



Luís must have more.



Lia is quick to disagree.

Can't you count?  
I have more!

She has two croquettes.  
Luís has only one bag of biscuits.  
Maybe Lia does have more.





Or maybe not.

**Não!**  
**I have more!**

Luís has 1, 2, 3, ...  
98, 99, 100 biscuits.

A hundred is way  
more than two.  
Luís wins. No doubt.



Lia is still not convinced.  
After all, one biscuit is  
much smaller and lighter  
than a croquette.



Luís just wants to eat.  
But Lia stops him.





Lia thinks some more.  
She takes her time.




Until the croquettes  
start to feel heavier ...

and heavier.




Lia has a solution.



An illustration of two children standing outdoors on a green hill. The child on the left is a boy with dark, curly hair, wearing a red and white striped shirt over a purple long-sleeved shirt. The child on the right is a girl with dark hair in a bun with a red bow, wearing a yellow and white striped shirt under purple overalls. She is speaking, and a speech bubble above her head contains the text "Let's weigh them!".

Let's weigh  
them!

An illustration of a girl named Lia standing indoors on a blue rug. She has dark hair in a bun with a red bow and is wearing a yellow and white striped shirt under purple overalls. She is holding a wooden balance scale with two grey bowls hanging from it. A brown dog with floppy ears and a pink collar is standing next to her, looking up at the scale. In the background, there is a window and a table covered with a blue cloth.

Lia runs to the store.  
She gets the old scale.



And they have an answer.

I have more!

Lia's croquettes are heavier.  
She wins.





Luís is sad.



But Lia has an idea.





Together they eat up their snacks.  
But they are always ready for more.

More?

Mais!



## GLOSSARY

People all over Brazil speak Portuguese, but they have different local accents. Lia and Luís's Brazilian American family speaks with the accent of people from São Paulo.

**Oi, Papai!:** Hi, Daddy!

(oy pah-PIE)

**Biscoito de polvilho:** tapioca biscuits

(bees-QUOY-toh deh poh-VEE-lyo)

**Coxinhas de galinha:** chicken croquettes

(koh-SHEE-nyas deh gah-LEE-nya)

**Lia:** a girl's name

(LEE-uh)

**Luís:** a boy's name

(loo-EES)

**Mais:** more

(mah-ees, said as one syllable)

**Não:** no

(nuh-oom, said as one syllable)

**Obrigado:** thanks

(oh-bree-GAH-doh, with a rolled r)

**Para:** stop

(PAH-rah, with a rolled r)



## EXPLORING THE MATH

Lia and Luis explore the math of comparing and measuring. As they try to figure out who has more, they discover many ways to compare. When they compare by size, Luis appears to have more—his bag is taller, wider, and deeper. When they count, Luis also has more. But when they compare by weight, Lia wins.

When children compare amounts, they build their understanding of quantity, weight, and other measurable features. They also develop a foundation for measuring in school and in daily life.

### Try this!

- **Encourage children to compare objects.** At the grocery store ask them to find a potato larger than an apple. How can they tell it's larger? Show them how to use the grocery scale to see if the potato is heavier, too.
- **Ask children to talk through their reasoning** when they compare: "Why do you think this one is larger? How do you know that you have more? How are these two things the same? How are they different?"
- **For more challenge, have children compare in two ways.** Can they find something lighter and larger than a mango? How about something heavier and smaller than a loaf of bread?
- **When you're talking with children, use comparison words** like *more*, *less*, *same*, *different*, *heavier*, and *longest*. You'll help children to notice and make sense of these relationships.

As children explain what they're comparing and why, they'll learn about measurement—and you'll learn how they're thinking!

—Sara Cordes, PhD  
Associate professor of psychology, Boston College

Visit [www.charlesbridge.com/storytelling-math](http://www.charlesbridge.com/storytelling-math) for more activities.

