



BOOKS TO PROMOTE LANGUAGE AND MATH IDENTITY DEVELOPMENT

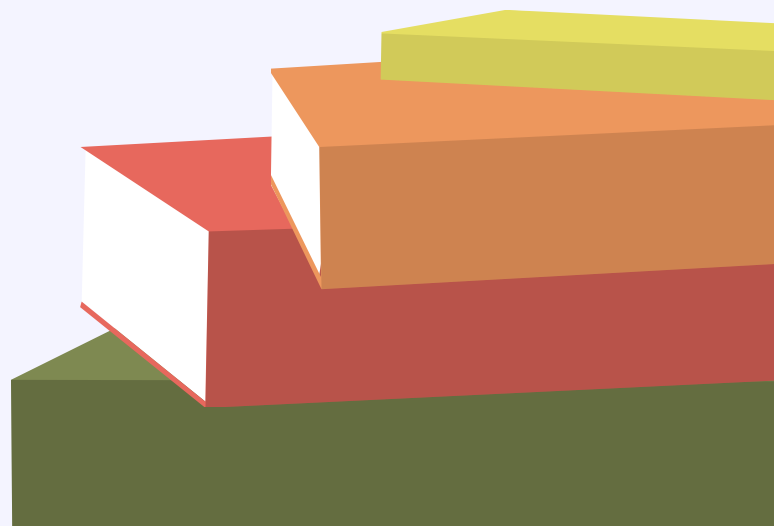
The Cookie Fiasco

FRACTIONS IN DISGUISE

The Last Marshmallow

Luna's Yum Yum Dim Sum

This guide provides a list of books that highlight bilingual characters and/or communities and explores math concepts, with a focus on fractions. Each book listed includes a summary as well as recommended questions/activities to engage students in conversations. It is important for bilingual students to see themselves and their languages, including language mixing, in the stories they read. Monolingual students need to see bilingualism represented and celebrated to expand their worldviews as well. This guide can be used by both teachers and families to encourage math conversations in any language.



Many of the books listed here promote everyday math in various cultures.

Books by Charlesbridge Publishing

The Last Marshmallow By: Grace Lin

Summary: After playing in the snow, Olivia and Mei are ready for cocoa. There's one marshmallow for Olivia and one marshmallow for Mei. But what will they do with the third marshmallow? How can two friends share three things fairly?

Recommended Questions/Activities: What do Olivia and Mei have to figure out? Have you ever been in this situation? What did you do? What types of things do you like to share?

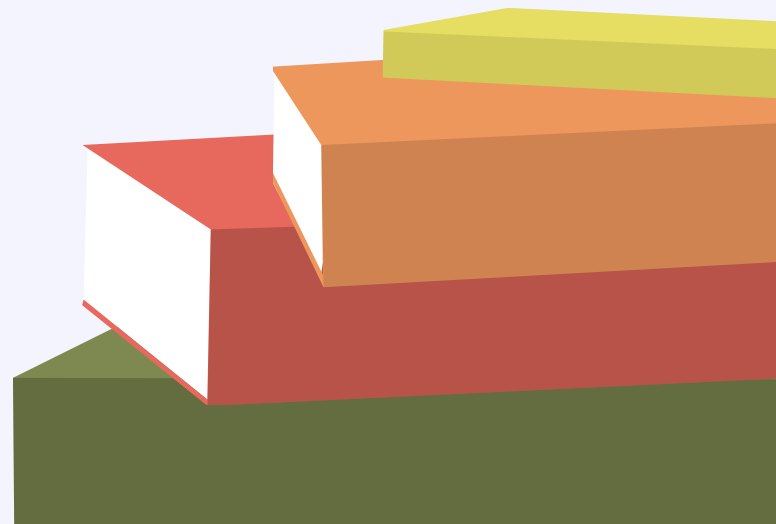
Activity Kit in English (also available in Spanish and Chinese).

Luna's Yum Yum Dim Sum By: Natasha Yim / Illustrated by: Violet Kim

Summary: On Luna's birthday the family goes out for Chinese dim sum. There are six fluffy pork buns for Luna and her two brothers to share. But then splat! Luna drops one. How can three children share five buns fairly?

Recommended Questions/Activities: What do Luna and her brothers realize as they are cutting up the buns? Have you ever eaten dim sum? What types of foods do you share with your siblings or friends? How do you divide them or cut them up equally?

Activity Kit in English (also available in Spanish and Chinese).



Fractions in Disguise By: Edward Einhorn / Illustrated by: David Clark

Summary: When a valuable fraction goes missing, George Cornelius Factor (a.k.a. GCF) vows to track it down. Knowing that the villainous Dr. Brok likes to disguise his ill-gotten fractions, GCF invents a Reducer—a tool that strips away the disguise, reducing the fraction and revealing its true form.

Recommended Questions/Activities: What is a fraction? Why is everyone suspicious of Dr Brok? Do you think Dr. Brok hid the $\frac{1}{63}$ before or after Mr. Factor came? Why can $\frac{34}{63}$ not be reduced further?

Support Materials

The Cookie Fiasco by Dan Santat/Mo Willems

Summary: Four friends, three cookies, one problem! Hippo, Croc, and the Squirrels are determined to have equal cookies for all! But how? There are only three cookies . . . and four of them! They need to act fast before nervous Hippo breaks all the cookies into crumbs!

Recommended Questions/Activities: What is a fiasco? What was the problem in this story? What are some things you share with friends? How do you share them?

“Wherever there is number, there is beauty.” —Proclus

