

Fractions in Disguise

A RIF GUIDE FOR EDUCATORS

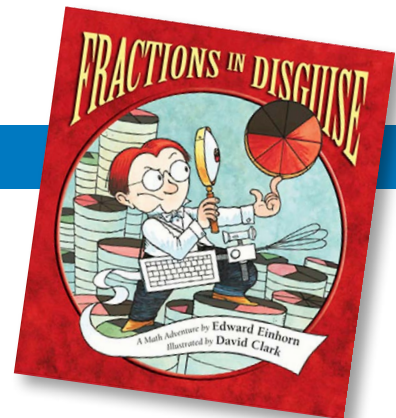
Themes: Math, Problem Solving, Mysteries

Book Brief: Mr. Factor loves fractions! When a prized fraction up for auction goes missing, it is up to Mr. Factor to solve the mystery.

Author: Edward Einhorn

Illustrator:
David Clark

Content Connections:
Math



TIME TO READ!



BEFORE WE READ, LET'S LOOK AT...

The Cover: Look at the cover illustration. What is the boy holding? What type of contraption do you think is hanging from his

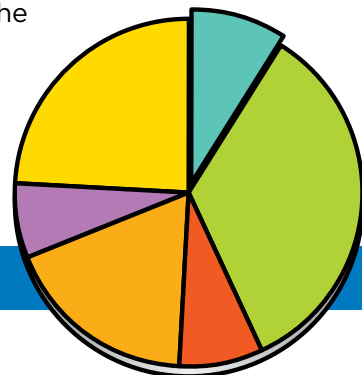
shoulder? Based on these clues and the title, what do you think the book is about?

The Pictures: Flip briefly through the pictures. How do the illustrations build your background knowledge of the premise of the story? When and where do you think the story might take place?

Prior Knowledge: What is a fraction? What are its parts? How is a fraction represented in an equation? Can you think of examples of common fractions? Can you convert any of those fractions into decimals?

Vocabulary: numerator, denominator, reduces

Purpose for Reading: As we read, pay attention to the steps that are taken to solve the mystery and be prepared to discuss how fractions can be reduced.



WHILE WE READ

MONITORING COMPREHENSION

- ◆ If the main character is 27, how long has he been collecting fractions?
- ◆ What do you think the fraction model is worth?
- ◆ Why is everyone suspicious of Dr. Brok?

- ◆ Why does he think a reducer would be best?
- ◆ Why can $34/63$ not be reduced further?
- ◆ Do you think Dr. Brok hid the $1/63$ before or after Mr. Factor came?

LET'S THINK ABOUT



Our Purpose: What did Mr. Factor have to do in order to reduce fractions and find the $5/9$?

Extending Our Thinking: With a partner, discuss the similarities and differences between Mr. Factor and Dr. Brok. Decide if you think they were more alike or more different. Be prepared to show evidence from the text to support your opinion. Share your answers with the class. Did anyone else's arguments change your opinion on the characters?

NOTE TO EDUCATORS

- ◆ Extension Activities for Educators also available.
- ◆ Vocabulary Scaffolding Sheet also available.

