

Fractions in Disguise

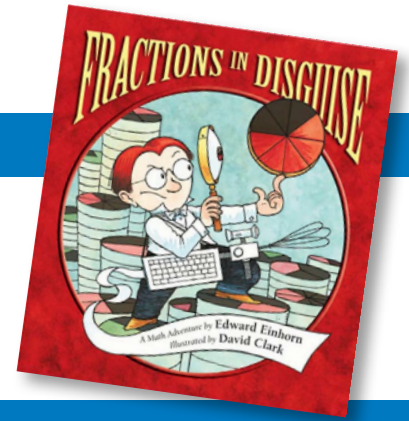
A RIF GUIDE FOR PARENTS AND FAMILIES

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



TIME TO READ!



Before reading, make predictions: What do you think the title means? What type of device do you think the character is holding on the cover? What might he use it for? What do you think this book will be about?

While reading, make connections: Have you ever collected something? Have you ever been to an auction or seen one on television? How do you feel when you really want something? Can you think of

a time when you have had to find something that has gone missing? How did you find it?

After reading, ask questions:

- ◆ How did the fraction reducer work?
- ◆ What did Mr. Factor have to do to find the lowest possible fraction?
- ◆ Why was Dr. Brok so nervous?
- ◆ Do you think Dr. Brok removed the $\frac{1}{63}$ before or after Mr. Factor showed up? Why or why not?
- ◆ Which character did you like best? Why?

RELATED ACTIVITIES

FRACTION FEAST

Ingredients: banana, apple, orange

Prepare a fraction feast for friends or family! Decide how you want to divide each piece of fruit. For example, you could cut the banana into 8 equal pieces or into 2 halves. Once your fruit is cut into equal pieces, place the fruit on plates for each guest and explain what fraction of each fruit they're eating. "You have $\frac{3}{8}$ of a banana, $\frac{1}{4}$ of an apple, and $\frac{3}{8}$ of an orange."

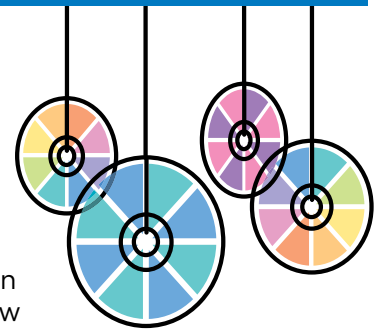
FINDING FRACTIONS

Go on a fraction hunt indoors or outside. Can you find objects that are divided into equal parts that make up a whole? Create a list of the fractions that are being "disguised" as parts of your house or neighborhood.

SIMPLE SUNCATCHER

Materials: old CD, permanent markers, ruler, string

Using a ruler, draw a line on the blank part of the CD to divide it by $\frac{1}{2}$. Turn the CD a $\frac{1}{2}$ turn and draw another line across to divide it into 4 sections. Repeat 2 more times, drawing lines across to create 8 total sections. Decorate each $\frac{1}{8}$ section with a bright color or pattern using markers. Do 2 or more sections have the same color or pattern? If so, what fraction of sections are alike? Different? Use string to hang the CD by a window to catch the sun.



ADDITIONAL RESOURCES

OTHER BOOKS ABOUT FRACTIONS

Full House: An Invitation to Fractions, Dayle Ann Dodds (2009)

A Very Improbable Story, Edward Einhorn (2008)

My Half Day, Doris Fisher (2008)



Reading Is
Fundamental