



# SCOTT FORESMAN Investigations

IN NUMBER, DATA, AND SPACE®

As a way to become familiar with this unit:

- Read the selections
- Try/think through the Activities
- Review the Assessment opportunities
- Do the end-of-unit assessment tasks

## Finding Fair Shares

This unit is the 7<sup>th</sup> of 9 units in third grade. It builds on the work of the previous units in the K-5 fractions strand. Before teaching this unit, perhaps after working through this *Where to Start*, read *Mathematics in This Unit*, p. 10.

### Investigation 1: Sharing Brownies

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 19)
- Investigation 1 Planner (pp. 20 & 22)

The following activities and information support the key math ideas:

- Teacher Note: Why are Fractions Difficult?: Developing Meaning for Fractions (p. 109)
- Activities: More Than One Piece (p. 37) and Many Ways to Make a Whole (p. 39)
- Activity: Introducing Fractions of 12 (p. 44)
- Discussion: Equal Shares (p. 45)
- Activity: Sharing Seven Brownies (p. 48)
- Dialogue Box: Seven Brownies, Four People (p. 120)

### Investigation 2: Many Ways to Make a Share

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 57)
- Investigation 2 Planner (p. 58)

The following activities and information support the key math ideas:

- Activities: Cutting Up Cookies (p. 61) and Writing Equations (p. 64)
- Teacher Note: Visualizing Fraction Equivalencies (p. 113)

### Preparation

- Materials to Gather and Prepare (pp. 21, 23, 59, 89)

### Assessment

- Assessment in This Unit (p. 14)
- Assessment Activity (p. 56) and Teacher Note (p. 111)
- Assessment Activity (p. 77)
- End-of-Unit Assessment Activities (p. 107) and Teacher Note (p. 115)

### Practice & Review

- Classroom Routines and Ten-Minute Math (p. 16)
- Practice and Review (p. 17)

- Activities: Introducing the Fraction Cookie Game (p. 70) and The Fraction Cookie Game (p. 71)
- Discussion: Finding Fraction Equivalencies (p. 72)

### **Investigation 3: Introduction to Decimals**

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 87)
- Investigation 3 Planner (p. 88)

The following activities and information support the key math ideas:

- Activity: Sharing Dollars (p. 94)
- Discussions: Fractions and Decimals (p. 97) and Finding Fraction and Decimal Equivalents (p. 104)
- Dialogue Box: Sharing Dollars (p. 123)

**Teacher Notes** and **Dialogue Boxes** are important sources of information about mathematics content and about students' thinking about mathematical ideas. Each time you teach this unit, you can read more of this information.