



# 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

## Parts of a Whole, Parts of a Group

This unit is the 7<sup>th</sup> of 9 units in second grade. It builds on the work of the geometry and measurement units in first and second grade, and is the first unit 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: One Half

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 17)
- Investigation 1 Planner (p. 18)

The following activities support the key math ideas:

- Activity: What is Half? (p. 21)
- Activity: Introducing Halves/Not Halves of Rectangles (p. 32)
- Discussion: Halves of a Bunch (p. 34)
- Activity: Introducing One and a Half, Two and a Half (p. 37)
- Teacher Note: Learning About Fractions (p. 77)

### Investigation 2: Halves, Thirds, and Fourths

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 41)
- Investigation 2 Planner (pp. 42 & 44)

The following activities support the key math ideas:

- Activities: Folding and Folding Again (p. 47) and Same or Different? (p. 50)
- Dialogue Box: Fourths: Same or Different? (p. 85)
- Activity: A Third of a Flag (p. 54)
- Discussion: Other Fractions (p. 59)
- Discussion: Thirds and Fourths of Sets (p. 69)

### Preparation

- Materials to Gather and Prepare (pp. 19, 43, 45)
- Review the preparation of rectangular pieces for the Halves and Not Halves of Rectangles activity (p. 19)

### Assessment

- Assessment in This Unit (p. 14)
- Teaching Note about Assessment (p. 28)
- End-of-Unit Assessment Activities (p. 74) and Teacher Note (p. 79)

### Practice & Review

- Classroom Routines (p. 14)
- Practice and Review (p. 15)

**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

