



# 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

## Counting and Comparing

This unit is the 2<sup>nd</sup> of 7 units in Kindergarten. It is part of the K-5 number and operations strand, and is the 1<sup>st</sup> of 3 units that focus on measurement, the number system, and addition and subtraction at this grade. Before teaching this unit, perhaps after working through this *Where to Start*, read *Mathematics in This Unit*, p. 10.

### Investigation 1: Counting

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 21)
- Investigation 1 Planner (pp. 22 & 24)

The following activities and information support the key math ideas:

- Activities: A Counting Book (p. 27), and Introducing (p. 28) and Discussing (p. 63) Counting Books
- Discussions: How Did I Count? (p. 49), Does Order Matter When You Count? (p. 53), and Strategies for Accurate Counting (p. 72)
- Teacher Notes: Counting is More Than 1, 2, 3 (p. 151) and Observing Kindergarteners as They Count (p. 152)

### Investigation 2: Comparing

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 75)
- Investigation 2 Planner (pp. 76, 78 & 80)

The following activities and information support the key math ideas:

- Teacher Note: Learning about Length: Direct Comparison (p. 160)
- Activities: Using Towers to Compare (p. 83), Introducing the Measuring Table (p. 84), and Discussing The Longer/Shorter Hunt (p. 125)

### Preparation

- Materials to Gather and Prepare (pp. 23, 25, 77, 79, 81)
- Plan for how students will make Name Towers (p. 112)
- Plan for the End-of-Unit Assessment (Teaching Note, p. 141)

### Assessment

- Assessment in This Unit (p. 14)
- Teaching Notes about Assessment Opportunities (pp. 30, 68, 86, 97)
- Teaching Notes about Portfolio Opportunities (pp. 41, 45, 68)
- Teacher Note (p. 153)
- End-of-Unit Assessment Activities (pp. 143, 146)

### Practice & Review

- Classroom Routines (p. 18)
- Practice and Review (p. 19)

Kindergarten Unit 2

- Activity: Introducing the Game of *Compare* (p. 101)
- Discussion: Comparing Two Inventory Bags (p. 108)
- Activity: Introducing Comparing Names (p. 122)
- Math Workshop: Comparing and Ordering (p. 136)
- Discussion: Ordering Our Names (p. 146)

**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.