



# 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

## Twos, Fives, and Tens

This unit is the 8<sup>th</sup> of 9 units in first grade. It is part of the K-5 number and operations strand, and is the 4<sup>th</sup> of 4 units at this grade that focus on addition, subtraction, and the number system. This unit builds on the work of the previous units in this strand. Before teaching this unit, perhaps after working through this *Where to Start*, read *Mathematics in This Unit*, p. 10.

### Investigation 1: Getting to 100

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: Introducing Ten Turns (p. 27) and Discussion: Ten Turns (p. 29)
- Math Workshop: Counting to 100 and Beyond (pp. 39-41)
- Dialogue Box: What Went Wrong? Common Errors That Occur When Students Write the Numbers (p. 158)

### Investigation 2: Twos, Fives, and Tens

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 49)
- Investigation 2 Planner (pp. 50 & 52)

The following activities and information support the key math ideas:

- Teacher Note: Counting by Groups (p. 136)
- Discussion: Sharing Strategies [for How Many Hands?] (p. 57)
- Discussion: Patterns in People and Hands (p. 61)
- Activity: Introducing How Many Squares? (p. 76)

### Preparation

- Materials to Gather and Prepare (pp. 23, 25, 51, 53, 93, 95; also see the Teaching Notes on pp. 76, 77, 85 & 88)

### Assessment

- Assessment in This Unit (p. 14)
- Assessment Activity (p. 46) and Teacher Note (p. 133)
- Assessment Activity (p. 88) and Teacher Note (p. 142)
- End-of-Unit Assessment Activities (pp. 117, 121, 127) and Teacher Note (p. 150)

### Practice & Review

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

- Math Workshop: Counting and Combining (p. 77)
- Teacher Note: Strategies for How Many Squares? (p. 139)

### Investigation 3: Tens

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 91)
- Investigation 3 Planner (pp. 92 & 94)

The following activities and information support the key math ideas:

- Math Workshop: Games about Combinations of Ten (p. 98)
- Teacher Note: Strategies for Learning the Addition Combinations (p. 146)
- Activities: Introducing Roll Tens (p. 104) and Discussion: Tens and Ones (p. 118)
- Activities: Introducing Ten Plus (p. 110) and Discussion: Ten Plus (p. 122)

**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.