



# 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

## Partners, Teams, and Paper Clips

This unit is the 8<sup>th</sup> of 9 units in second 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: Adding Even and Odd Numbers

These pages provide an overview of this Investigation:

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

The following activities and information support the key math ideas:

- Activity: Introducing Two Groups (p. 27)
- Discussion: Partners & Teams with Two Groups, Part 1 (p. 32)
- Activity: Introducing Adding Even and Odd Numbers (p. 38)
- Dialogue Box: Two Leftovers Will Always Equal Another Pair (p. 190)
- Discussion: Adding Two Odd Numbers (p. 40)

### Investigation 2: Remaining Addition Combinations

These pages provide an overview of this Investigation:

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

The following activities and information support the key math ideas:

- Discussion: Related Problems (p. 53)

### Preparation

- Materials to Gather and Prepare (pp. 23, 51, 67, 69, 111)
- Review the definitions your class developed for even and odd in Unit 3 (see examples on p. 26)
- Review the logistics of handing out a new set of Addition Cards (pp. 57, 61)
- Review the routine for presenting the story problems on p.79 (see Unit 3, p.73, 75, 79)

### Assessment

- Assessment in This unit (p. 14)
- Assessment Activity (p. 105) and Teacher Note (p. 168)
- End-of-Unit Assessment Activities (p. 147) and Teacher Note (p. 181)

### Practice & Review

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

- Activity: Introducing the Remaining Combinations (p. 60)
- Math Workshop: Addition Combinations Practice (p. 61)
- Teacher Note: Strategies for Learning the Addition Combinations (p. 156)

### Investigation 3: Subtraction

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 65)
- Investigation 3 Planner (pp. 66 & 68)

The following activities and information support the key math ideas:

- Activities: Introducing Pinching Paper Clips (p. 71) and Discussion: Pinching Paper Clips (p. 76)
- Dialogue Box: Modeling Students' Strategies for Pinching Paper Clips (p. 196)
- Teacher Notes: Students' Subtraction Strategies (p. 158) and Notating Subtraction Strategies (p. 163)
- Discussion: Strategies for Subtraction (p. 81)
- Discussion: Adding Up or Subtracting Back (p. 88)
- Math Workshop: Subtraction and Addition Practice (p. 92)

### Investigation 4: Addition

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 109)
- Investigation 4 Planner (p. 110)

The following activities and information support the key math ideas:

- Teacher Notes: Students' Addition Strategies (p. 173) and Notating Addition Strategies (p. 176)
- Discussion: Keeping One Number Whole (p. 123)
- Discussion: Adding Tens and Ones (p. 131)
- Activity: Practicing Addition (p. 138) and Discussion: Strategies for Adding (p. 140)

**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.