



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

Decimal Grids and Number Lines

This unit is the 6th of 9 units in fifth grade. It builds on the work of the previous grade 5 unit, *What's That Portion?* and units in the K-5 fractions and decimals strand. Before teaching this unit, perhaps after working through this *Where to Start*, read *Mathematics in This Unit*, p. 10.

Investigation 1: Understanding and Comparing Decimals

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:

- Activity: Introducing Decimals on Grids (p. 26)
- Discussion: Place Value of Tenths and Hundredths (p. 32) and Activity: Introducing Thousandths (p. 33)
- Activities: Introducing Decimals on a Number Line (p. 39) and Ordering Tenths and Hundredths (p. 40)
- Activity: Comparing Decimals (p. 57)
- Teacher Note: Extending Place Value to Thousandths and Beyond (p. 123)
- Dialogue Box: Filling in the Fraction-to-Decimal Division Table (p. 140)

Investigation 2: Adding Decimals

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 81)
- Investigation 2 Planner (pp. 82 & 84)

The following activities and information support the key math ideas:

- Activity: Jeweler's Gold (p. 93) and Discussion: Explaining

Preparation

- Materials to Gather and Prepare (pp. 21, 23, 83, 85)

Assessment

- Assessment in This Unit (p. 14)
- Assessment Activity (p. 53)
- Assessment Activity (p. 80) and Teacher Note (p. 127)
- End-of-Unit Assessment Activities (p. 118) and Teacher Note (p. 134)

Practice & Review

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

Solutions (p. 95)

- Activity: Adding Decimals (p. 98)
- Dialogue Box: Student Strategies for Adding Decimals (p. 145)
- Math Workshop Activity: Adding Decimals (p. 109) and the Discussion: Adding Decimals (p. 113)

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.