



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

Fish Lengths and Animal Jumps

This unit is the 5th of 9 units in first grade. It builds on the work of the previous units in the K-5 measurement strand. Before teaching this unit, perhaps after working through this *Where to Start*, read *Mathematics in This Unit*, p. 10.

Investigation 1: Learning to Measure

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 17)
- Investigation 1 Planner (pp. 18 & 20)

The following activities and information support the key math ideas:

- Activity: Introducing New Units to Measure With (p. 29)
- Activities: Kira Measures a Fish (p. 35) and Measuring Fish (p. 38)
- Activities: Introducing Fish Story Problems (p. 42) and Discussion: Fish Stories (p. 50)

Investigation 2: Measuring Distances

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 57)
- Investigation 2 Planner (pp. 58 & 60)

The following activities and information support the key math ideas:

- Activity: Measuring in Kid Steps (p. 63) and Discussion: Our Different Results (p. 69)
- Activity: Big Steps, Little Steps, and Craft Sticks (p. 70) and Discussion: Different Units, Different Counts (p. 76)
- Activity: Introducing Animal Jumps (p. 79)

Preparation

- Materials to Gather and Prepare (pp. 19, 21, 59, 61)
- Plan how students will do Big Steps, Little Steps, and Craft Sticks (p. 69) and What Did We Find? (p. 75)

Assessment

- Assessment in This Unit (p. 12)
- Assessment Activity (p. 53) and Teacher Note (p. 92)
- End-of-Unit Assessment Activities (p. 83) and Teacher Note (p. 95)

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 information.

