



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

What Would You Rather Be?

This unit is the 4th of 9 units in first grade. It builds on the work of the previous units in the K-5 data analysis and probability strand. Before teaching this unit, perhaps after working through this *Where to Start*, read *Mathematics in This Unit*, p. 10.

Investigation 1: Sorting

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 19)
- Investigation 1 Planner (p. 20)

The following activities and information support the key math ideas:

- Activity: Quick Survey: Milk (p. 23)
- Discussion: Describing Shapes (p. 25)
- Activity: Sorting Buttons (p. 30)
- Teacher Note: *Guess My Rule* (p. 117)

Investigation 2: Collecting and Representing Data

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 47)
- Investigation 2 Planner (p. 48 & 50)

The following activities and information support the key math ideas:

- Dialogue Box: Discussing “Eagle or Whale?” Data (p. 139)
- Activity: Representations of “Eagle or Whale?” Data (p. 56) and Discussion: “Eagle or Whale? Representations (p. 63)
- Activity: Making a Plan (p. 69)

Preparation

- Materials to Gather and Prepare (pp. 21, 49, 51, 87, 89)
- Review the logistics of Choosing a Question (p. 68) and Collecting Survey Data (p. 72)
- Plan to collect the data for the assessment ahead of time (Activity 3, p. 79)
- Review the homework (p. 103) as the data will be used in the following session

Assessment

- Assessment in This Unit (p. 14)
- Assessment Activities (p. 37)
- Assessment Activity (p. 83) and Teacher Note (p. 124)
- End-of-Unit Assessment Activities (p. 111) and Teacher Note (p. 129)

Practice & Review

- Classroom Routines (p. 16)
- Practice and Review (p. 17)

Investigation 3: Comparing Age Data

These pages provide an overview of this Investigation:

- Mathematical Emphases (p. 85)
- Investigation 3 Planner (p. 86 & 88)

The following activities and information support the key math ideas:

- Teacher Note: Grade 1 Students' Representations of Data (p. 119)
- Activity: Comparing Classes (p. 106)
- Activity: Us and Our Siblings (p. 107)

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.