

## Data: Kids, Cats, and Ads (Statistics)

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Related *SFAW Mathematics* Chapter

**Data, Graphs, and Probability** (Chapter 5)

### **Investigation 1: Balancing Act**

Session 1: Standing on One Foot  
Sessions 2 and 3: Comparing Student and Adult Data  
Session 4: Mystery Balancers

**SFAW lesson replaced:**

5-1 Collecting Data from a Survey

**SFAW lesson to be taught/incorporated:**

5-6 Mean, Median, and Mode

### **Investigation 2: Examining Cats**

Session 1: A Set of Cats  
Session 2: Associations: Are Female Cats Shorter?  
Session 3 (Excursion): Using the Computer to Investigate Cats

**SFAW lesson replaced:**

5-5 Problem-Solving Strategy: Make a Graph

**SFAW lessons to be taught/incorporated:**

5-2 Bar Graphs

5-3 Line Graphs

5-4 Stem-and-Leaf Plots

### **Investigation 3: Sampling Ourselves**

Session 1: Review: Fractions, Decimals, Percents  
Sessions 2 and 3: Sampling the Classroom  
Session 4: The Classroom as a Sample

### **Investigation 4: A Sample of Ads**

Session 1: Fractions of Newspaper Pages  
Session 2: Collecting Data from Ten Days  
Session 3: Combining Ad Data Across Pages

**SFAW lesson to be taught/incorporated:**

5-7 Circle Graphs

### **Investigation 5: Researching Play Injuries**

Session 1: Issues of Playground Safety  
Session 2: Collecting Playground Data  
Sessions 3, 4, and 5: Analyzing and Presenting Data

**SFAW lessons to be taught/incorporated:**

5-8 Choosing an Appropriate Graph

5-9 Problem-Solving Skill: Writing to Compare

**End with these SFAW lessons:**

5-10 Predicting Outcomes

5-11 Listing Outcomes

5-12 Expressing Probability as a Fraction

5-13 Problem-Solving Applications: Population Growth

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### **End-of-Unit Assessment Options**

- *Investigations Assessment Sourcebook*, pp. 37–40
  - *SFAW Mathematics* Chapter 5 Test, Student Book p. 314
  - *SFAW ExamView®* Test Generator: Chapter 5
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