

## Arrays and Shares (Multiplication and Division)

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Related *SFAW Mathematics* Chapter

### Multiplication and Division Concepts and Facts (Chapter 3)

#### **Investigation 1: Multiples on the 100 Chart**

Sessions 1 and 2: Multiples on the 100 Chart  
Session 3: Skip Counting and Multiplying

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

- 3-2 Patterns in Multiplying by 0, 1, 2, 5, and 9
- 3-5 Problem-Solving Strategy: Make a Table

#### **Investigation 2: Arrays**

Session 1: Things That Come in Arrays  
Sessions 2 and 3: Making Arrangements  
Session 4: Preparing a Set of Arrays  
Sessions 5 and 6: Array Games  
Sessions 7 and 8: Looking at Division

**SFAW lessons replaced:**

- 3-1 Meanings for Multiplication
- 3-3 Using Known Facts to Find Unknown Facts
- 3-6 Meanings for Division
- 3-7 Relating Multiplication and Division
- 3-8 Division Facts
- 3-10 Multiplication and Division Stories

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

- 3-9 Special Quotients
- 3-11 Problem-Solving Skill: Multiple-Step Problems

#### **Investigation 3: Multiplication and Division with Two-Digit Numbers**

Session 1: Multiplication Clusters  
Sessions 2, 3, and 4: Multiplication and Division Choices

Session 5: Problems That Look Hard But Aren't

**SFAW lesson replaced:**

- 3-4 Multiplying by 10, 11, and 12

**End with these SFAW lessons:**

- 3-12 Writing and Evaluating Expressions
- 3-13 Find a Rule
- 3-14 Solving Multiplication and Division Equations
- 3-15 Problem-Solving Applications: Sleeping Animals

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

- Investigations *Assessment Sourcebook*, pp. 7–12
  - *SFAW Mathematics* Chapter 3 Test, Student Book p. 176
  - *SFAW ExamView*® Test Generator: Chapter 3
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