

## Things That Come in Groups (Multiplication and Division)

Related *SFAW Mathematics* Chapters

**Multiplication Concepts and Facts** (Chapter 5)

**More Multiplication Facts** (Chapter 6)

**Division Concepts and Facts** (Chapter 7)

### Investigation 1: Things That Come in Groups

Session 1: Many Things Come in Groups  
 Session 2: How Many in Several Groups?  
 Session 3: Writing and Solving Riddles  
 Session 4 (Excursion): Each Orange Had 8 Slices

#### **SFAW lessons replaced:**

5-1 Multiplication as Repeated Addition  
 5-3 Writing Multiplication Stories  
 5-5 2 as a Factor

### Investigation 2: Skip Counting and 100 Charts

Session 1: Highlighting Multiples in 100 Charts  
 Session 2: Using the Calculator to Skip Count  
 Sessions 3 and 4: More Practice with Multiples  
 Sessions 5 and 6: Discussing Number Patterns

#### **SFAW lessons replaced:**

6-1 3 as a Factor  
 6-2 4 as a Factor  
 6-3 6 and 7 as Factors  
 6-4 8 as a Factor  
 6-5 Practicing Multiplication Facts  
 7-6 Dividing with 2 and 5  
 7-7 Dividing with 3 and 4  
 7-8 Dividing with 6 and 7  
 7-9 Dividing with 8 and 9

### Investigation 3: Arrays and Skip Counting

Sessions 1 and 2: Arranging Chairs  
 Sessions 3 and 4: Array Games  
 Session 5: The Shapes of Arrays

#### **SFAW lessons replaced:**

5-2 Arrays and Multiplication  
 5-6 5 as a Factor  
 5-7 10 as a Factor  
 5-9 Multiplying with 0 and 1  
 5-10 9 as a Factor  
 5-11 Practicing Multiplication Facts  
 5-12 Problem-Solving Applications: Bicycles  
 6-7 Using Multiplication to Compare

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

5-8 Problem-Solving Skill: Multiple-Step Problems  
 6-8 Patterns on a Table  
 6-9 Multiplying with Three Factors

### Investigation 4: The Language of Multiplication and Division

Sessions 1 and 2: Multiply or Divide?  
 Sessions 3 and 4: Writing and Solving Story Problems

#### **SFAW lessons replaced:**

7-1 Division as Sharing  
 7-2 Division as Repeated Subtraction  
 7-3 Writing Division Stories  
 7-5 Relating Multiplication and Division

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

7-4 Problem-Solving Strategy: Try, Check, and Revise  
 7-10 Dividing with 0 and 1  
 7-11 Remainders  
 7-12 Division Patterns with 10, 11, and 12  
 7-13 Problem-Solving Skill: Translating Words to Expressions  
 7-14 Problem-Solving Applications: Tunnels

### Investigation 5: Problems with Larger Numbers

Session 1: Calculating Savings  
 Session 2: Many, Many Legs  
 Session 3: Data Tables and Line Plots  
 Session 4: A Riddle with 22 Legs

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

5-4 Problem-Solving Strategy: Make a Table  
 6-6 Problem-Solving Strategy: Look for a Pattern  
 6-10 Find a Rule  
 6-11 Problem-Solving Skill: Choose an Operation

#### **SFAW lesson replaced:**

6-12 Problem-Solving Applications: Sandworms

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### End-of-Unit Assessment Options

- Investigations *Assessment Sourcebook*, pp. 8–13
  - *SFAW Mathematics* Chapters 5, 6, and 7 Tests, Student Book pp. 302, 352, and 414
  - *SFAW ExamView*® Test Generator: Chapters 5, 6, and 7
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