

*Investigations Unit***Shapes, Halves, and Symmetry** (Geometry and Fractions)Related *SFAW Mathematics* Chapter**Geometry and Fractions** (Chapter 7)**Investigation 1: Composing and Decomposing Shapes**

Session 1: Shapes Around Us

Sessions 2 and 3: Seeing Shapes Within Shapes

Sessions 4 and 5: Shape Puzzles

Sessions 6, 7, and 8: Building Buildings

SFAW lessons replaced:

7-2 Relating Plane Shapes to Solid Figures

7-4 Making New Shapes

SFAW lessons to be taught/incorporated:

7-1 Flat Surfaces, Vertices, and Edges

7-3 Problem-Solving Skill: Use Data from a Picture

7-5 Congruence

7-6 Slides, Flips, and Turns

Investigation 2: What Is a Rectangle?

Session 1: Investigating Quadrilaterals

Session 2: Which Rectangle Is Biggest?

Session 3: Building Rectangles

Sessions 4 and 5: Describing Rectangles

Session 6: Picturing Rectangles

SFAW lesson to be taught/incorporated:

7-8 Problem-Solving Strategy: Use Logical Reasoning

Investigation 3: Fractions of Geometric Shapes

Sessions 1 and 2: Halves of Rectangles and Solids

Sessions 3, 4, and 5: Cutting Congruent Halves

Session 6: Fraction Flags

Sessions 7 and 8 (Excursion): Fourths and Thirds of Rectangles

SFAW lessons replaced:

7-9 Equal Parts

7-14 Problem-Solving Applications: Under the Sea

SFAW lessons to be taught/incorporated:

7-10 Unit Fractions

7-11 Non-Unit Fractions

7-12 Estimating Fractions

7-13 Fractions of a Set

Investigation 4: Symmetry

Sessions 1 and 2: Symmetrical Designs

Sessions 3 and 4: Reflecting Blocks and Tiles

Sessions 5 and 6: Paper Folding and Cutting

Session 7: Symmetrical Pictures

SFAW lesson replaced:

7-7 Symmetry

End-of-Unit Assessment Options

- Investigations *Assessment Sourcebook*, pp. 17–21
- *SFAW Mathematics* Chapter 7 Test, Student Book p. 287
- *SFAW ExamView®* Test Generator: Chapter 7