Student Activity Book

Build Shape Models (SAB p. 687)

* See Figures 2 and 7 in the lesson for sample shape models.

Name _____ Date _____

Build Shape Models

Work with a partner to build larger models of these pattern block shapes.

trapezoid blue rhombus square hexagon triangle tan rhombus

- Look at the number of sides on the pattern block shapes.
- Use straws for the sides.
- Use connectors to connect the straws as in the picture below.
- Make the angles the same as the angles on the pattern blocks.

straws

connector

connector

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Think About Shapes

Use a set of pattern block shapes as you answer the questions.

1. **A.** Trace the trapezoid.

B. Write one fact about the trapezoid. ——————

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2. **A.** Trace the hexagon.

B. Write one fact about the hexagon. ——————

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3. What is one way the trapezoid and the hexagon are alike?

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4. What is one way the trapezoid and the hexagon are different?

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Think About Shapes Feedback Box	Expec-tation	Check In	Comments
Identify shapes based on their attributes. [Q# 1–2]			
Describe shapes. [Q# 1–2]	E1		
Sort shapes based on their attributes. [Q# 3–4]			

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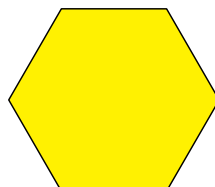

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Questions 1–4

1. A.

B. Possible responses: A trapezoid has 4 sides, one set of parallel sides, 3 sides that are the same length and one side that is twice as long, 4 angles, no right angles, and 2 small angles and 2 larger angles.

2. A.

B. Possible responses: A hexagon has 6 sides, 3 sets of parallel sides, 6 sides that are all the same length, 6 angles that are all the same size, and no right angles.

3. Possible responses: They both have no right angles. They both have at least one set of parallel sides. They both have some angles that are larger than right angles.

4. Possible responses: The trapezoid has 4 sides and the hexagon has 6 sides. They trapezoid has 4 angles and the hexagon has 6 angles. The trapezoid has sides of different lengths but the hexagon's sides are all the same length.