

LESSON
6•9**Pattern-Block Symmetry Riddles**

Use your Pattern-Block Template to record your solution to each problem on another piece of paper. Check that each solution works for all the clues in the problem.

- 1.** Build a symmetrical shape using these clues:
 - ◆ Use exactly 2 red trapezoids and put them together to make a hexagon.
 - ◆ Use exactly 6 green triangles around the outside of the hexagon.
 - ◆ Use exactly 8 blocks.

- 2.** Build a symmetrical shape using these clues:
 - ◆ Use exactly 2 red trapezoids.
 - ◆ Use exactly 5 tan rhombuses.
 - ◆ Use exactly 7 blocks.

- 3.** Build a symmetrical shape using these clues:
 - ◆ Build a large triangle.
 - ◆ Use a yellow hexagon in the center at the bottom of the large triangle.
 - ◆ Use at least 3 different colors of blocks.

Try This

- 4.** Build a shape that has more than 1 line of symmetry using these clues:
 - ◆ Use exactly 2 red trapezoids.
 - ◆ Do not use yellow hexagons.
 - ◆ The longer sides of the red trapezoids touch and line up together.
 - ◆ Use a green triangle at the top and at the bottom of the shape.
 - ◆ Use exactly 10 blocks.