Piece It Together

PreK

Materials: A set of pattern blocks for each pair, paper and pencil to write or draw, and color crayons, markers, or pencils

Discussion on the rug: Students have sets of pattern blocks. **"Here are pattern blocks. What do you notice about them? What else do you notice about them?"** Teacher continues to prompt children to notice that they are different colors, shapes, sizes, and lengths. The teacher encourages the students to play with the blocks and make different things.

In small groups: Each group has a set of pattern blocks.

Teacher asks the following questions, only going on to the next question when students have success.

1. **"Which of these blocks do we know? What is its name? How many sides does it have? How many corners does it have?"**

Introduce the name of a block, if the students demonstrate knowledge of its attributes.

2. **"Which blocks fit on top of each other? How many green triangles fit on a blue rhombus? A red triangle? A yellow hexagon?"** Have students write a number next to each block drawn.

3. **"How many different ways can you cover the hexagon with other blocks?"** At the end of the investigation, have students either draw a picture or dictate a response to represent their solution.