

**Session 2** Work Places 3 & 4 (cont.)

***Note** The introduction to Pattern Block Reflections is more fun for students if you have or are able to borrow enough hinged mirrors so each pair of children can have one. That way they can work along with you rather than waiting for classmates to describe what they see.*

When the sorting activity has ended, explain that you have a new Work Place to share that involves pattern blocks. Have children sit where they can see the screen. Then set a single transparent blue rhombus pattern block on your overhead. Give children a minute to share observations about this shape and then place a hinged mirror at one corner of the block, snugged up tight, as shown:



Ask children to predict what they might see in the mirror and then have a volunteer come up to peek and describe what he sees.

***Ben** When I look in, I can see lots of those blue rhombuses. Let's see—1, 2, 3, 4—it's really hard to count them.*

Then ask another volunteer to come up to peek and actually build what she sees in the mirror.

***Teacher** When Ben looked in the mirror he saw more blue rhombuses. Are they really there?*

***Children** No, they're just in the mirror. They're reflections, like when you can see yourself in the mirror.*

***Teacher** It was hard for him to count how many reflections he saw. Would someone be willing to come up, take a peek, and try to build at the overhead what they see? Dalina?*

***Dalina** (Peeking into the mirror and using more overhead pattern blocks to build the reflected image) It looks like a snowflake. It's really pretty, see?*



***Children** Wow! It does look like a snowflake. There are 6 of them now—6 of those blue shapes. 6 rhombuses—1, 2, 3, 4, 5, 6.*