

For this activity and the game that follows, you can split the class in half. Half the class can do the activity today and then play the game in lesson 10. The other half can play the game today and do the activity in lesson 10.

For this activity, divide the class into pairs. Pass out a piece of **paper** and a pencil to each pair and have them draw a line (as close to vertical as possible) on the paper.

Pass out a number of **plastic pattern blocks** to each pair. Have one partner create a design with 3 or 4 pattern blocks on one side of the line. Have the other partner try to create a reflection/flip of that pattern on the other side of the line.

After students have been successful creating a reflection of a partner's design with 3 or 4 pattern blocks, have them add more patterns blocks to their designs or create new designs with 5 or more pattern blocks. Then each partner can try to create reflections of the new designs.

The following are some hints for successful designs:

- Do not build vertically (only create designs that are flat on a desk or table).
- Do not stand the pattern blocks on edge.
- Do not stack the pattern blocks.

MATERIALS:

-Colored construction paper