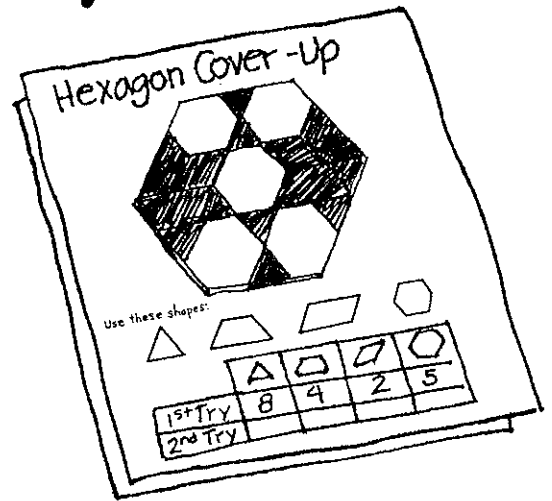


Geometry

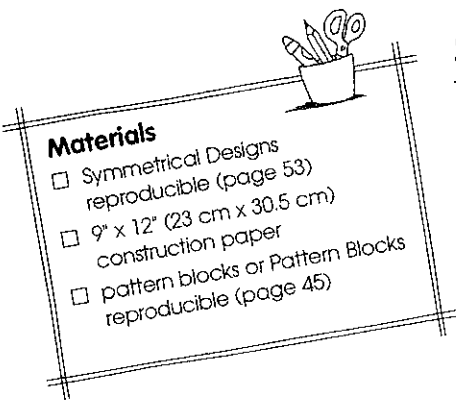
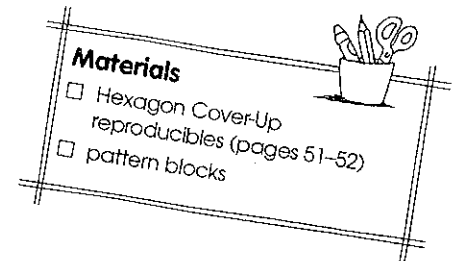
These center activities focus on basic geometric concepts. Students explore the names and properties of geometric shapes, build symmetrical designs, and create congruent figures.



Hexagon Cover-Up

Teaching Tips and Extensions

- Remind students to use only the four pattern block shapes outlined on the activity sheet.
- If you do not have pattern blocks, trace and cut out (or photocopy) each of the four shapes used in this activity on a different color of construction paper. Each student will need several sets of these shapes.



Symmetrical Designs

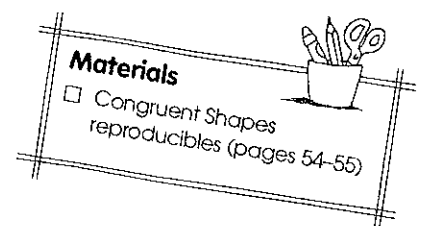
Teaching Tips and Extensions

- ☆ Fold the construction paper in half, and draw a heavy line on the fold.
- If you do not have pattern blocks, trace and cut out (or photocopy) each shape on a different color of construction paper. Each student will need several sets of these shapes.
- Discuss the definition of *symmetry* and *line of symmetry*.

Congruent Shapes

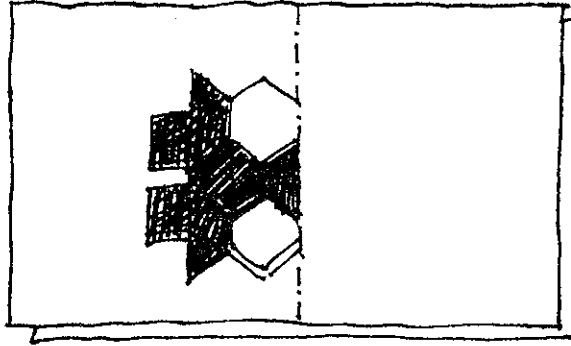
Teaching Tips and Extensions

- Before introducing this activity, discuss the definition of *congruence*.
- Have students cut out the shapes and match them to prove they are congruent.

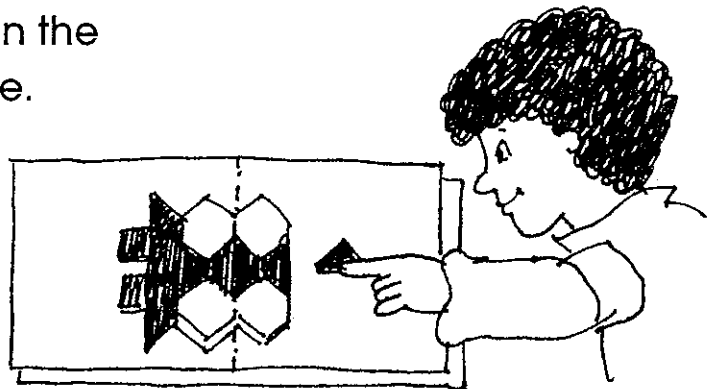


Symmetrical Designs

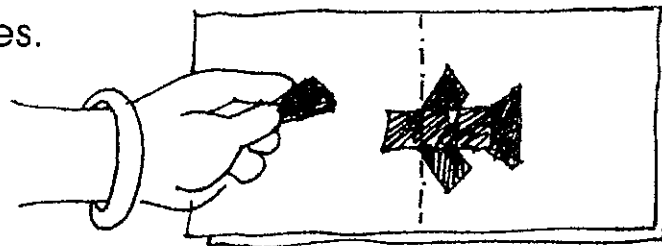
- 1 Work with a partner. Use pattern blocks to create a design on one side of a folded sheet of paper. Start the design on the fold.



- 2 Invite your partner to create a symmetrical design on the other side of the fold line.



- 3 Trade places and repeat the activity several times.



Challenge

Find 5 objects in the classroom that are symmetrical. Sketch each object and draw in the line of symmetry on a sheet of paper.