

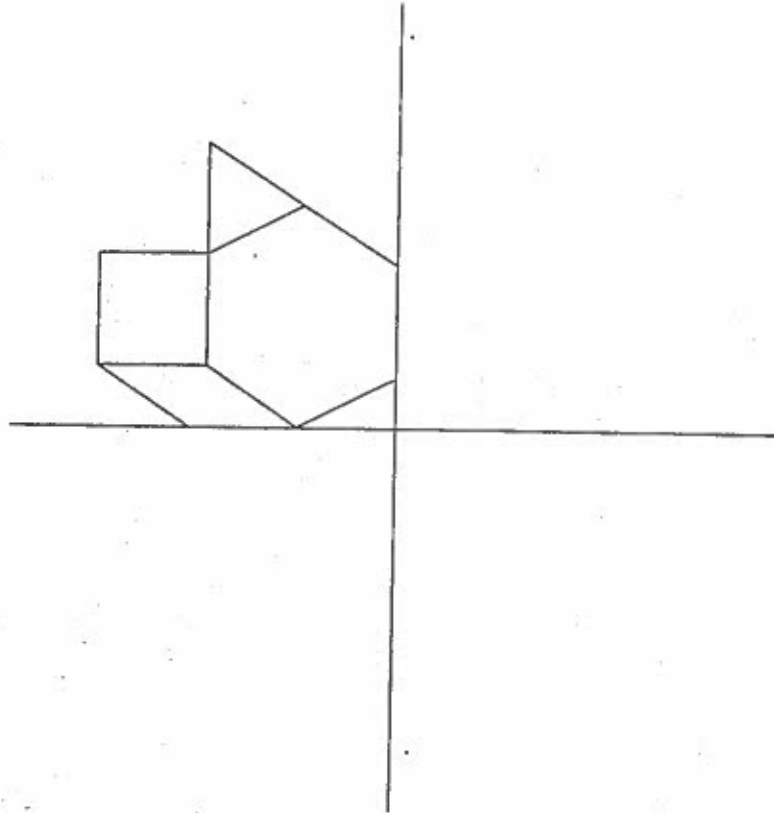
Activity



Investigating Reflections

Materials: pattern blocks.

Make the following design using pattern blocks. Reflect the diagram across the horizontal and vertical lines. Use pattern blocks to build the reflected images.



Activity



Rotational Symmetry on a Plane

Materials: tracing paper, pattern blocks.

1. Take a yellow hexagon from a set of pattern blocks and trace it onto a piece of paper. Place the hexagon block on top of the tracing, make a tiny mark on one angle, and rotate the pattern block until the block again coincides with the traced image underneath. What degree of rotational symmetry does a hexagon have?



2. Examine the other pattern blocks. Do they all have rotational symmetry? If so, determine the degree of rotation necessary to rotate a block back onto itself.