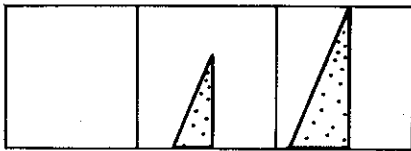


Cut-A-Card



Grade Level

Why

To practice visualizing an object in space, observing the effects of flipping or rotating the object

TOOLS

Cut-A-Card puzzle

Practice paper, 3"×5"

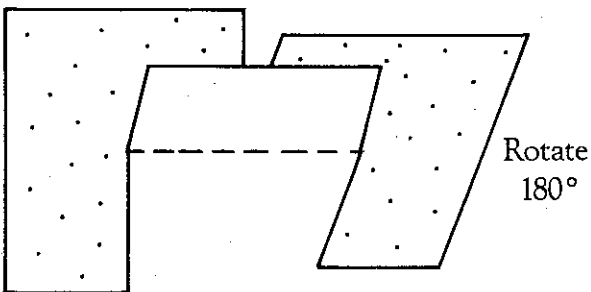
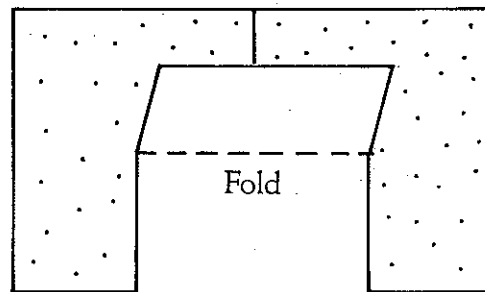
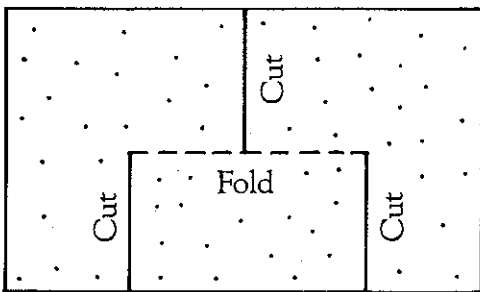
3"×5" cards

Scissors

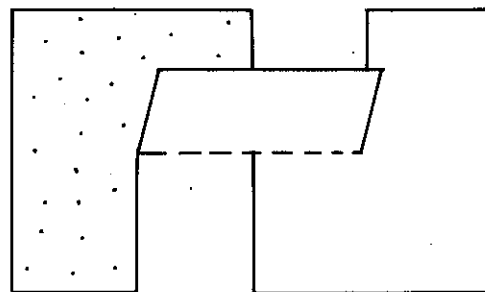
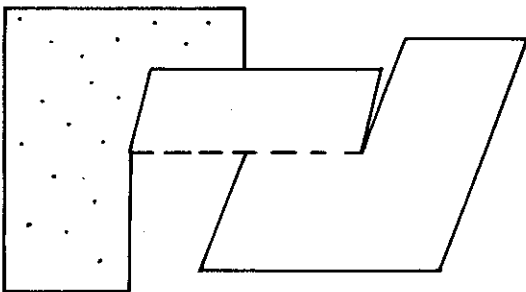
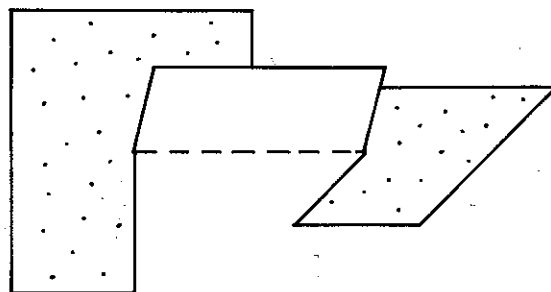
- ▶ *Engineers and others who work in construction or design need to be able to visualize objects and their structure in many ways.* ◀

How

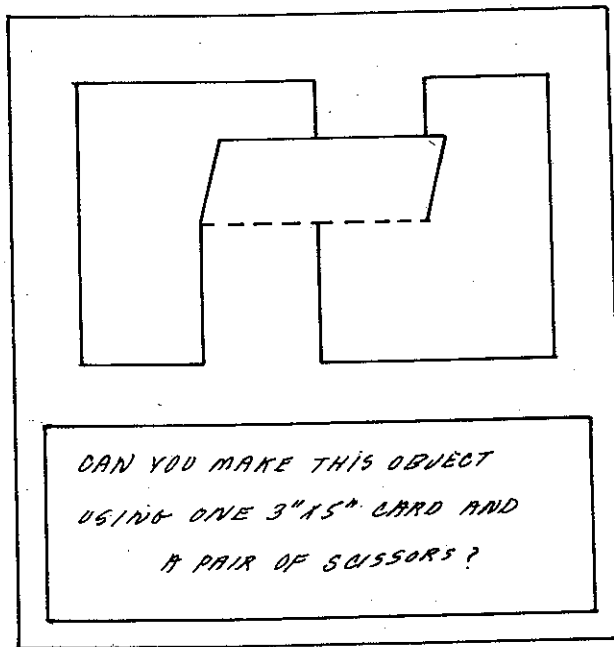
- Make a Cut-A-Card puzzle by cutting and folding a 3"×5" card as indicated in the sketch.



Rotate
180°



- Tape this object to a larger card or poster.
- Write the directions for the puzzle on your poster:



- Put the puzzle poster out for your family or class to try. Have them use the small slips of paper for practice. Try to refrain from giving hints. You may be surprised at who finds the puzzle easy and who finds it hard.

More Ideas

Collect other three-dimensional puzzles to try. Game stores often carry a variety of commercial puzzles such as the Soma Cube. **Games** magazine is also a good resource for puzzles.

