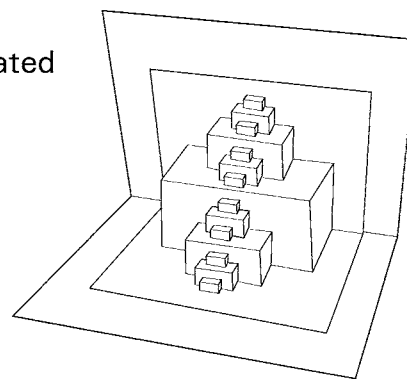


## POP-UP FRACTAL

This eye-popping fractal is a big hit with kids (and grown-ups, too)! It's easy to create something complicated and beautiful using the fractal concept. The following page contains the pattern for making this work of art.



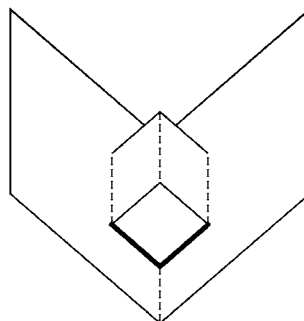
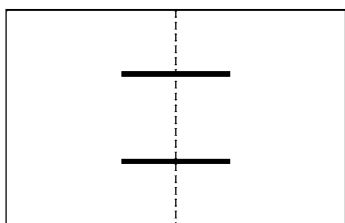
### Supplies:

copies of the handout on the next page

scissors

optional: construction paper and glue sticks

1. Fold the page in half along the dotted line. Fold so that the print is on the outside of the folded page.
2. Cut along the two heavy line segments that connect to the crease and fold the flap upwards. The corners of the flap will fit neatly in the "L" brackets printed on the page.
3. Open the page, reverse the fold in the center of the flap and close the page so the flap is now completely (and neatly!) inside the folded paper.



4. Two more heavy lines are now seen to reach the creases in the center of the paper. Cut along these, then crease, using the "L" brackets to help. After folding the flaps up, flip the paper over and fold the flaps in the opposite direction. This will make it easier to reverse the flaps and pop them inside.
5. When you've popped the two smaller flaps inside, you should now be ready to make two more cuts along the heavy lines that now meet the four creases. Continue in this manner. Note that the first cuts made one flap, the second cut made two flaps, and the third made four, and so forth.
6. When it is done, you will have the beautiful 3-D pop-up form shown above. This can be trimmed as required and then glued to a folded sheet of construction paper to make a lovely piece of art or an eye-popping greeting card.

