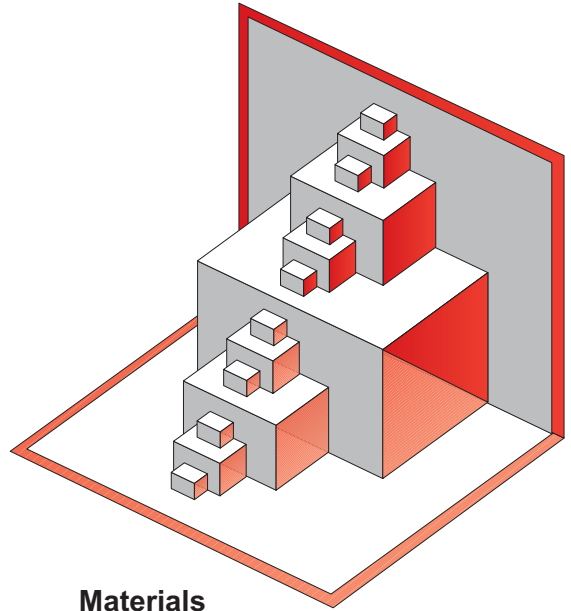


Fractal Cards: Instructions to Create Central Quartiles* Cards with Fractal Dimension 1

Steps:

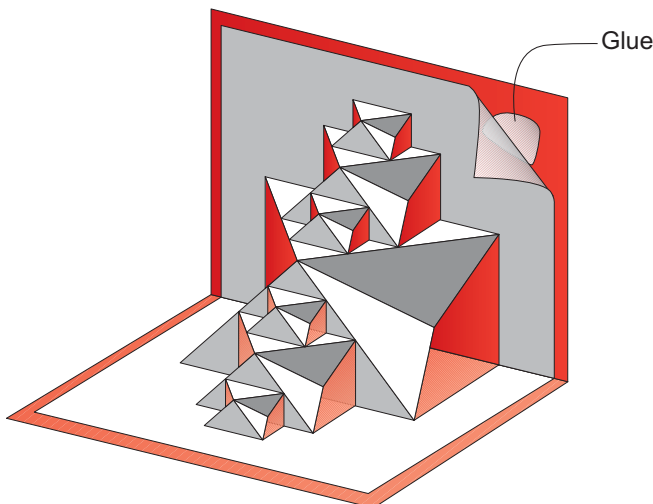
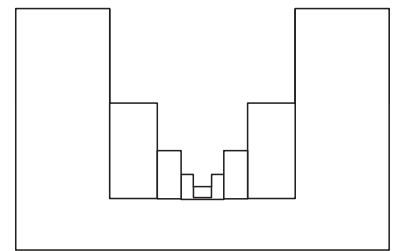
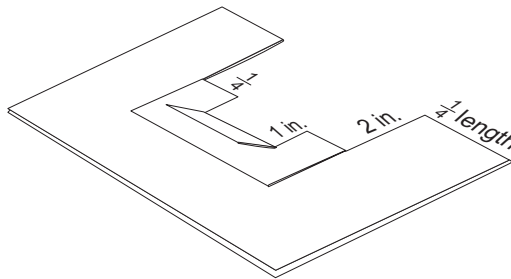
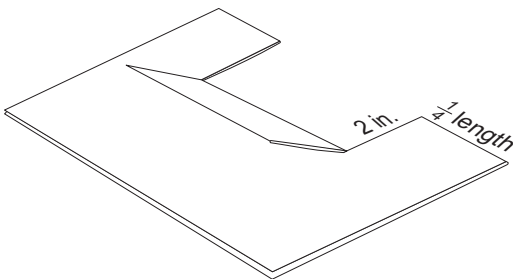
1. Holding the white paper in portrait mode, fold and crease horizontally, exactly in half.
 2. Measure $\frac{1}{4}$ of the way along the fold from each end and cut perpendicular to the fold. Each cut should be exactly equal to $\frac{1}{4}$ of the length of the fold.
 3. Fold the center cut portion forward and down, creasing it sharply, parallel to the original fold.
 4. Repeat steps 2 and 3 three more times, for a total of four iterations. The resulting card will look something like this:
 5. Next carefully open up each fold, one at a time, being careful not to tear the paper, until it is completely unfolded.
 6. Each step will need to be re-folded accordion-style to pop-out in the desired direction. If done properly, the card should easily fold flat again into the pattern above.
- [Click here to watch a video of steps 5 and 6.](#)
7. Place glue only on the flat surfaces of the white paper.
 8. Holding the color paper in portrait mode, fold and crease it horizontally, exactly in half. Then press the white paper into place, aligning the fold and centering in the space.

* Idea is from Diego Uribe's Fractal Cuts ISBN 0-906212-88-x.



Materials

Scissors
ruler (inches)
glue stick
8.5 x 11 in. colored paper
8 x 10 in. white paper



Template for Pyramid Fractal Card

Fold on center line and continue the preparation exactly like the Central Quartiles card, making only three sets of cuts, one set after each fold. Then carefully unfold the card and fold on each solid line, creating pyramids, instead of steps. Fold so that the printed lines will be on the inside of the card.

See pattern on page 2.

