

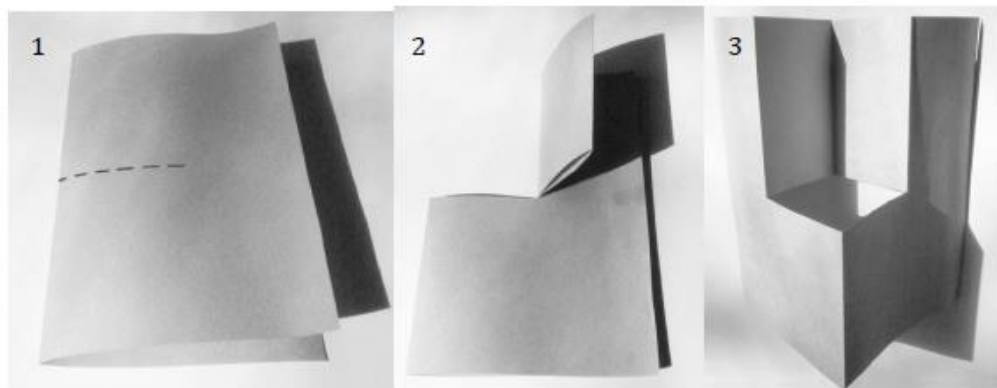


Fractal Cutout Card



Instructions

There are three elements to making the fractal cutout. They are repeated over and over using a smaller scale. These three elements are 1) cutting, 2) folding and 3) inverting.

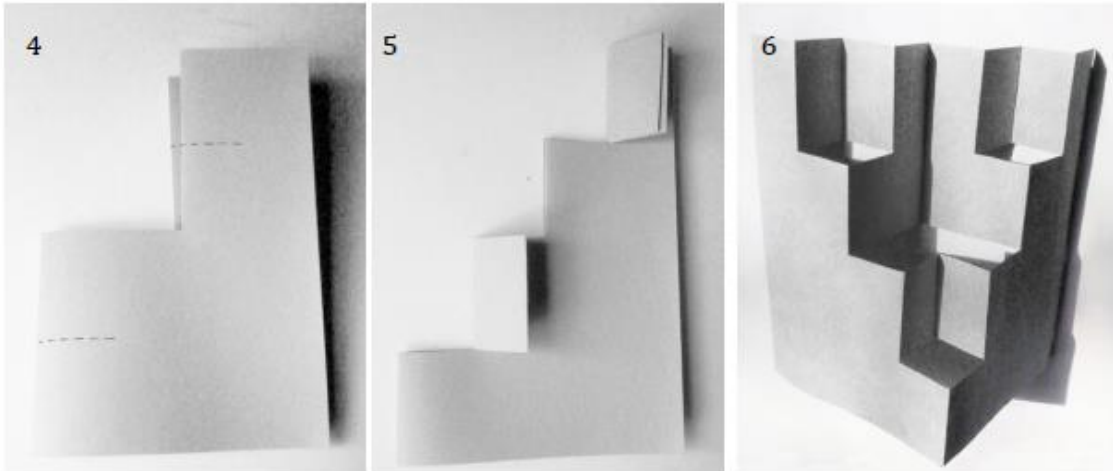


Take one piece of paper, hold it horizontal and then fold it in half, so it looks like a book.

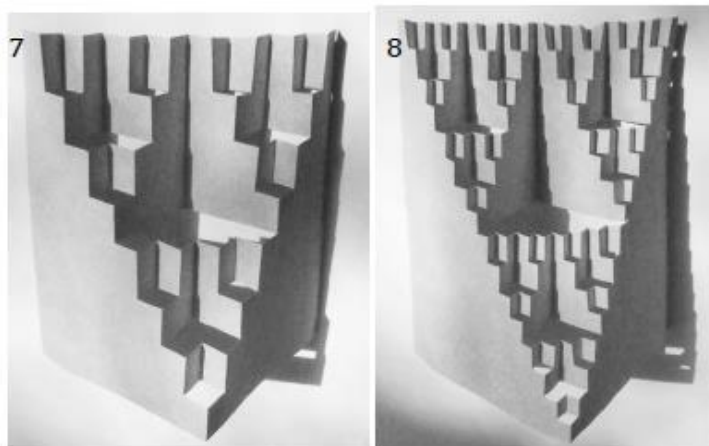
- 1) Cut through the folded edge along the dotted line above. The cut should start half way up and down the fold and go half way to the right along the folded paper.
- 2) Now fold over one half and crease, as shown above.
- 3) Open up the folded-over creased flap, and fold it inside itself. Inverting is a little tricky, but critical.

You have now completed the basic step to create the fractal cutout, and now all you have to do is keep repeating this process over and over.

- 4) Next, make two cuts half way through each of the folded edges, at the dotted lines. The cuts will be half as long, and again the cuts should be half way up and down each edge and go only half way through the piece. **Be careful not to cut too far!**



- 5) Once you've made the two cuts, fold over and crease the flaps. How can you tell which ones to fold over? You want to end up with something looking like a staircase.
- 6) Next, you unfold the flaps, and invert them. When you open up the paper, it should look like 6.
- 7) Repeat the same cutting, folding and inverting, but this time you need to make four cuts instead of two. Fold and flip the flaps inside themselves like below.



- 8) Repeat this again, making eight cuts total to have your final product.