THE SNAKE
HEPTAHEXAFLEXAGON
VARIATION 1/4

CUT OUT

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This flexagon has 7 faces. You can pre crease all triangles before and after gluing. Glue the backside such that the reverse side of the D₁ and F₁ triangles are not covered until the flexagon is assembled. F₁ will be behind D₁ once assembled. F₂ will be behind C₂ when the two halves are assembled. After gluing crease all the lines back and forth. Now fold together the three pairs of Gs. You will have a pattern as for a hexahexaflexagon. Fold together the three pairs of F triangles, it will look like the pattern for the pentahexaflexagon. Now fold the three pairs of E triangles and then the A triangles and finally the B triangles. The back of the F₁ and D₁ triangles can now be glued together to lock the flexagon in place. All the Cs should be on one face of the completed flexagon, the Ds on the back and the flexagon will have a uniform thickness of 2 sheets of paper. I recommend gluing the halves together two to three triangles at a time. Do not try to do it all at once, you will get a crumpled sticky mess. This is the first of 4 variations of the heptahexaflexagon.

Quick Folding sequence: 3Gs – 3Fs – 3Es – 3A – 3Bs