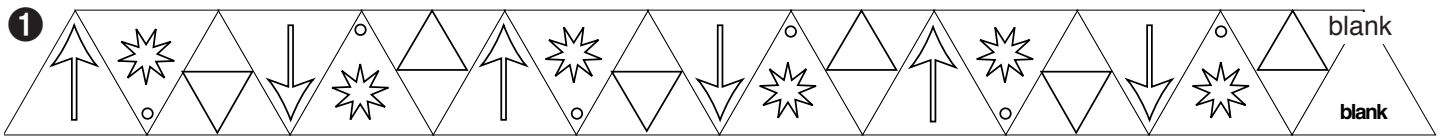
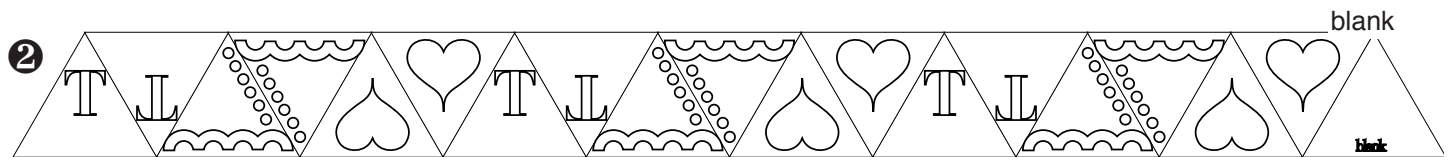


# The Amazing Hexiflexigon

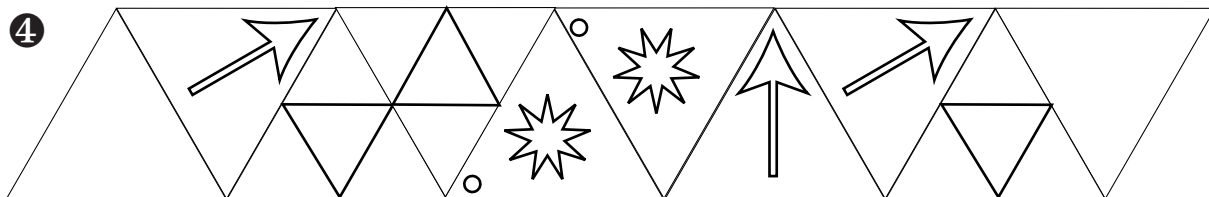
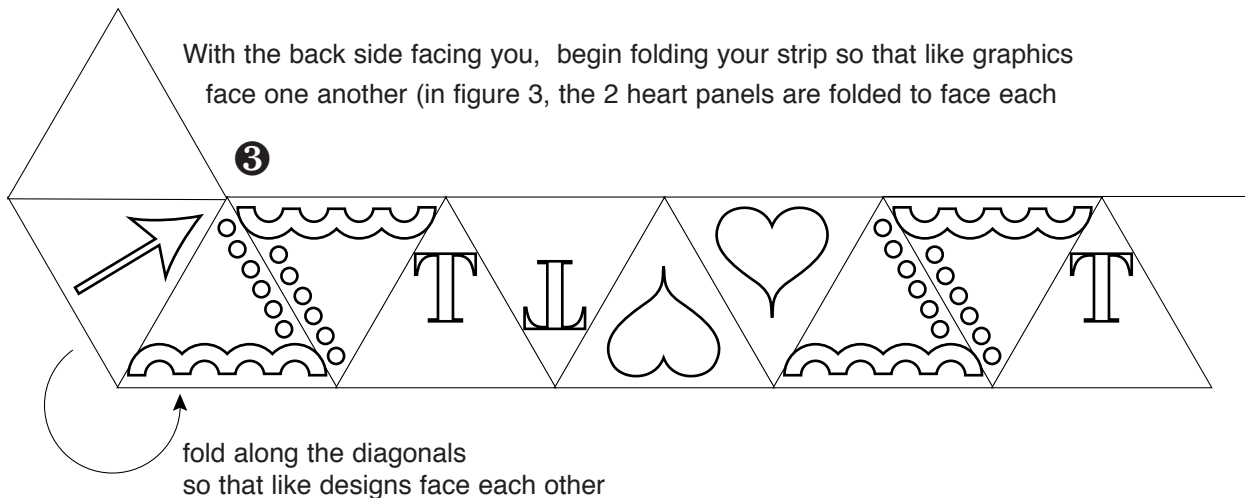
Using the top part of the Hexi template provided, fill the triangles with the patterns you create alternating the designs in a 1, 2, 3, 1, 2, 3 fashion (every third triangle should have the same design on it, the 2nd set of thirds will be alike, and so will the third set...), as in the diagram below:

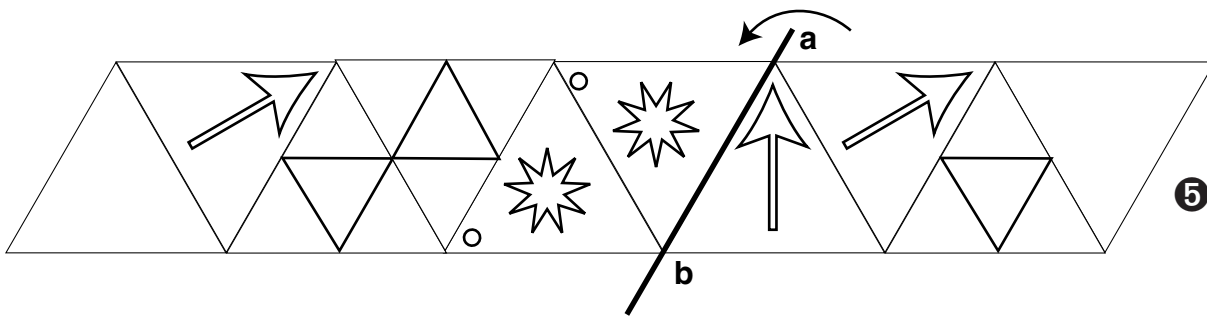


front (make sure you leave the last triangle blank, as indicated)

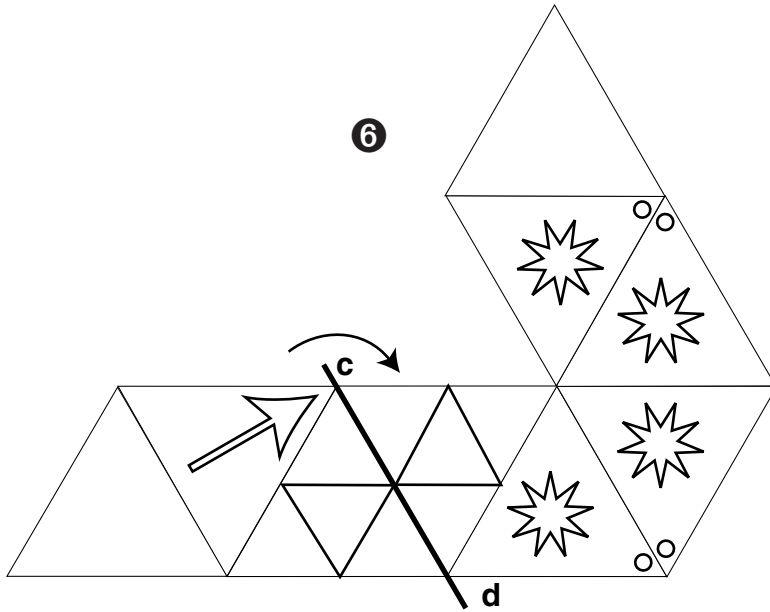


On the bottom part of the template, chose 3 other patterns, and fill the triangles in a 1, 1, 2, 2, 3, 3, 3, order, as in the diagram below:

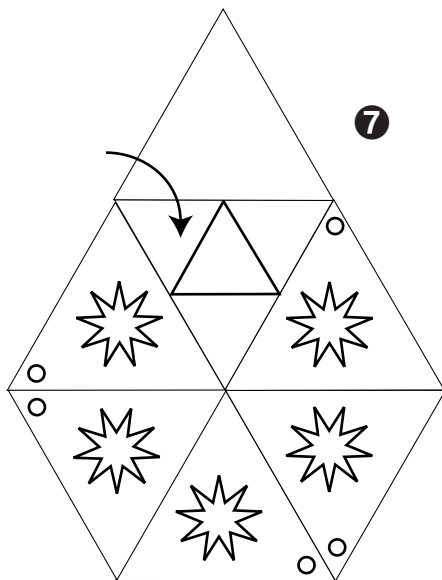


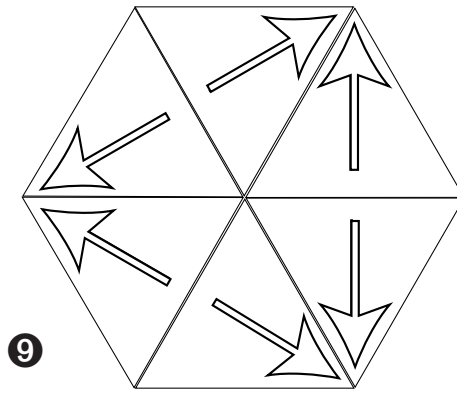
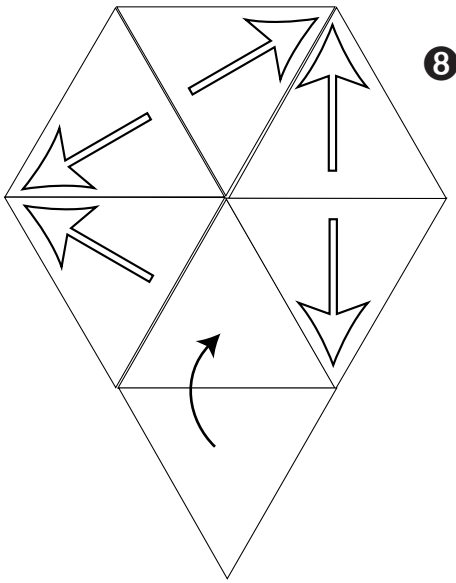


other), until your strip looks like figure 4.



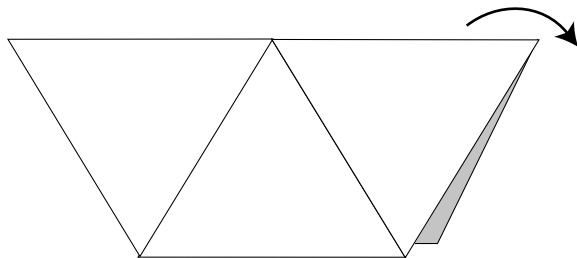
Then, fold line ab away from you (to the back)...



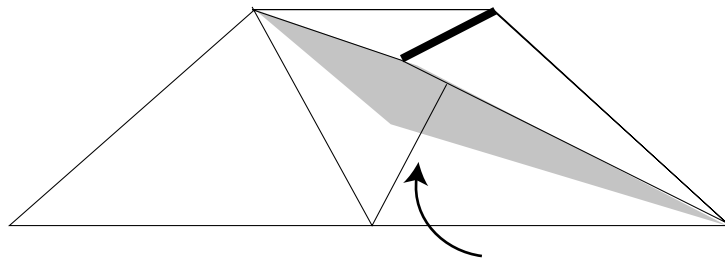


and fold line CD towards you (to the front).

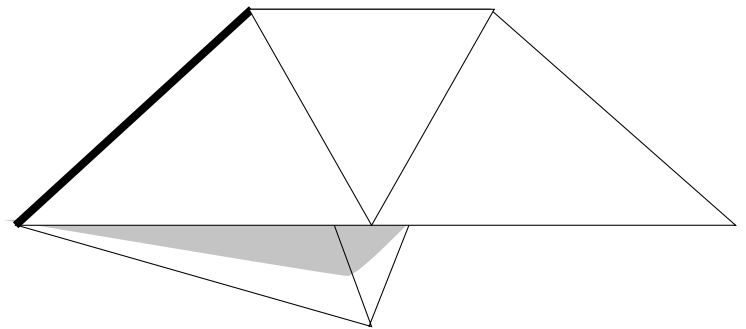
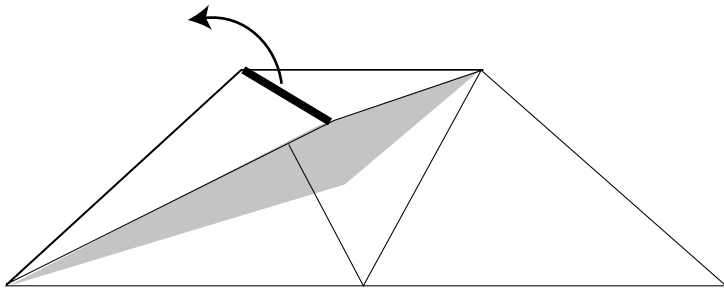
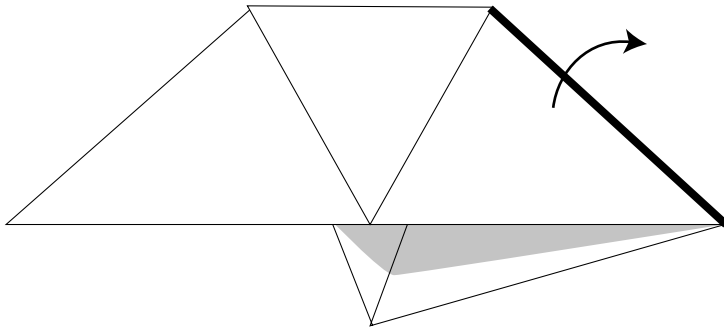
*How to play with it!*



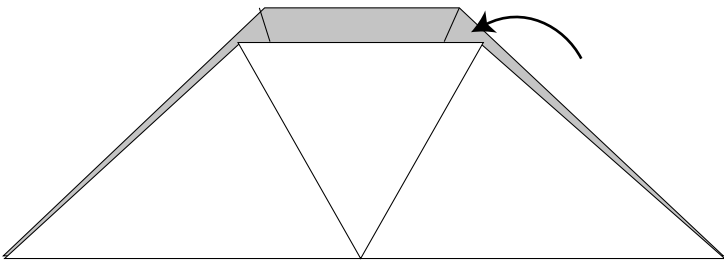
Fold it in half in each direction to make the folds more flexible.



With the folded edge at the bottom, lift the "loose" corner up, and pivot it to the right (see the next page).



Then do the same with the “loose” edge at the left (pivoting it to the left).



Tuck the unlike triangle at the top underneath everything (figure 7).

Flip the hexihexithingy over, fold the leftover blank panel to the front, and glue it to the blank side it will face after you fold it (figure 8).

Now you can flip your hexahexathingy around, exposing all the panels in sequence.... with some fun results!

There are 12 different combinations from the six patterns you chose. See if you can flip the hexi around to find all 12!