

Hexaflexagon

en.wikipedia.org/wiki/Flexagon

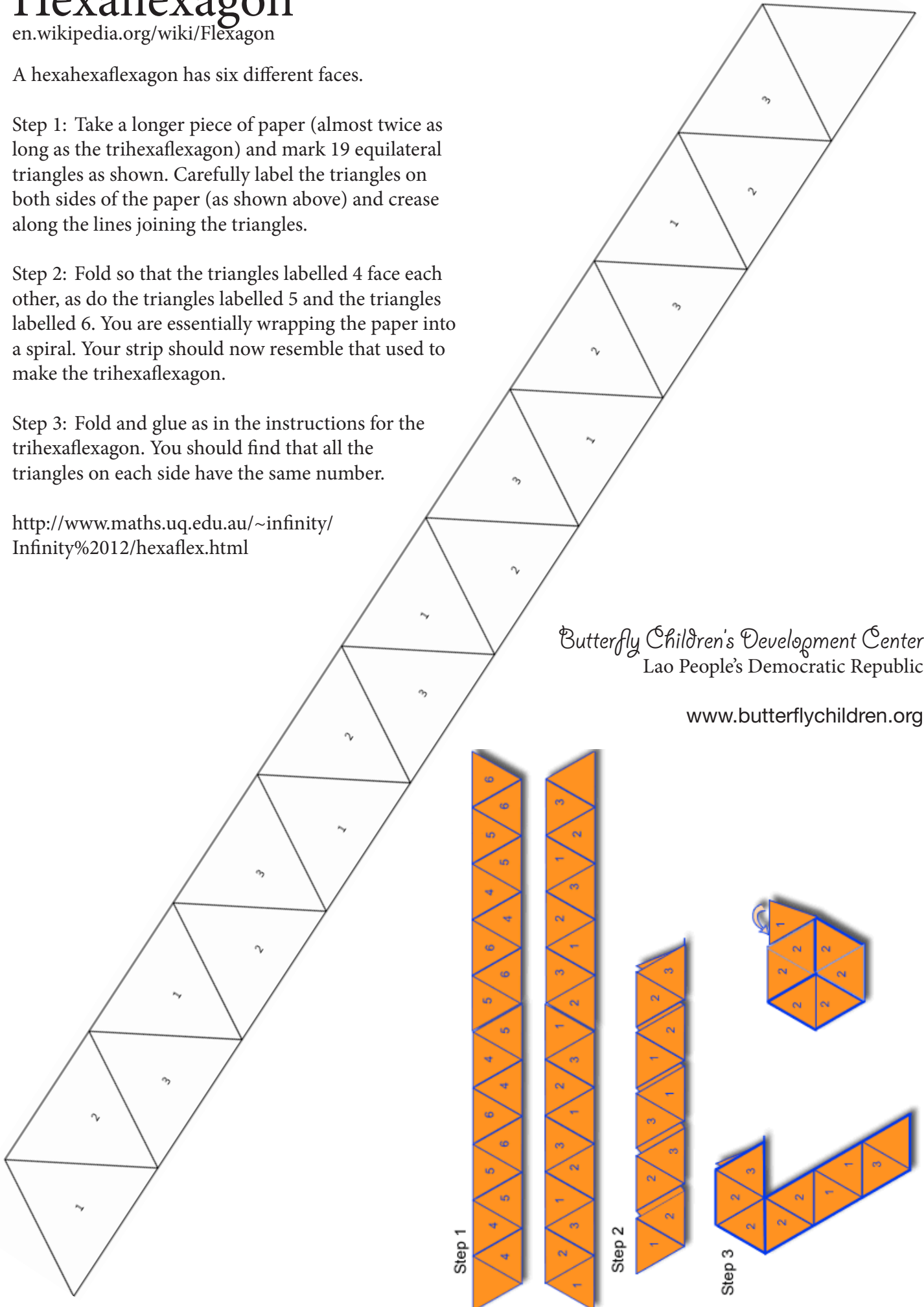
A hexahexaflexagon has six different faces.

Step 1: Take a longer piece of paper (almost twice as long as the trihexaflexagon) and mark 19 equilateral triangles as shown. Carefully label the triangles on both sides of the paper (as shown above) and crease along the lines joining the triangles.

Step 2: Fold so that the triangles labelled 4 face each other, as do the triangles labelled 5 and the triangles labelled 6. You are essentially wrapping the paper into a spiral. Your strip should now resemble that used to make the trihexaflexagon.

Step 3: Fold and glue as in the instructions for the trihexaflexagon. You should find that all the triangles on each side have the same number.

<http://www.maths.uq.edu.au/~infinity/Infinity%2012/hexaflex.html>



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