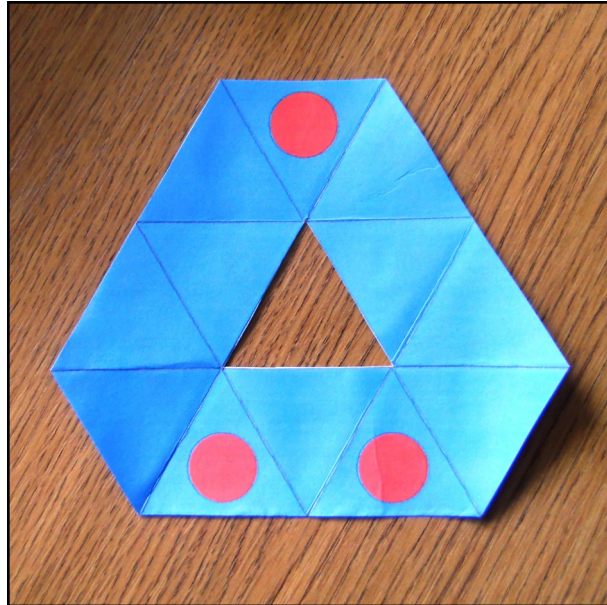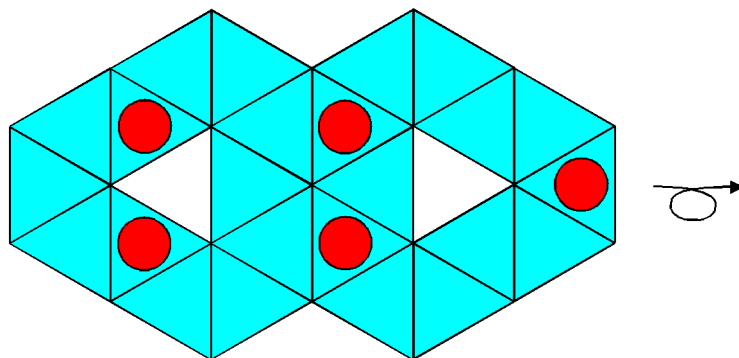# 1, 2, 3, 4

Designed by David Mitchell

1, 2, 3, 4 is a development of Three in a Row by Robert E Neale. The object is to fold the puzzle up into a flat triangular shape in which first one, then two, then three and finally all four of the smaller triangular segments are decorated with a circular motif.

The solution can be found on the Puzzles page of this site. As always it is far better to play with the puzzle and discover the solution for yourself than to look it up at too early a stage.
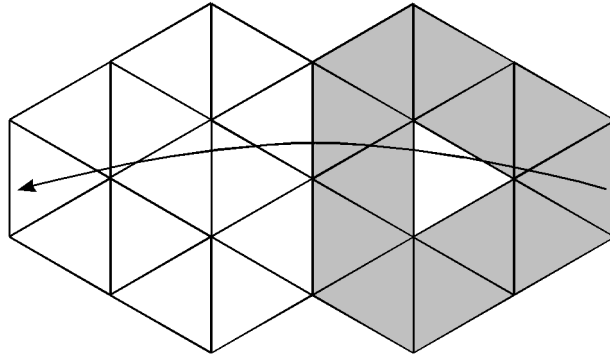
You will find a template for the puzzle on the last page of this pdf, or a slightly larger version on the Puzzles page of this site, which you can print, cut out and fold up following the instructions below.
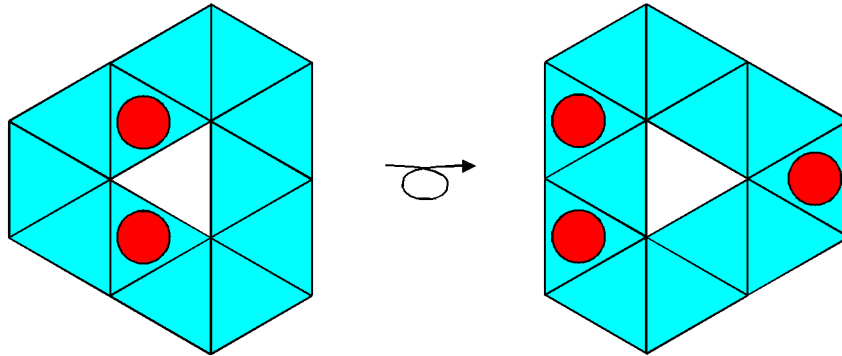
1

1. Cut the template out, crease carefully along all the boundaries between the triangles, then carefully cut out both central white triangles. Fold all the creases backwards as well as forwards so that all the segments move freely in relation to each other in both directions. When you have done this turn the template over sideways.

2. Apply glue to the area of the template shown shaded here then fold the right half onto the left half so that all the edges line up and press firmly together. If necessary, trim the edges slightly to neaten them. Leave to dry.
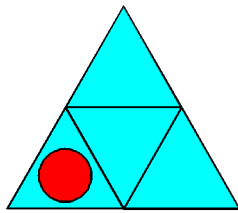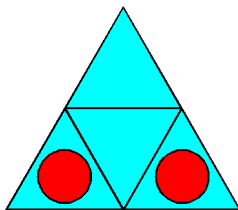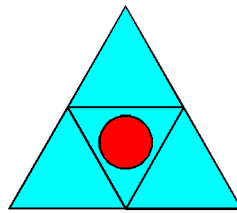

3. The two surfaces of the puzzle will look like this. Make sure all the creases between the small squares still work as hinges in both directions. Once you have done this you are ready to take on the 1, 2, 3, 4 challenge

David Mitchell / 1, 2, 3, 4
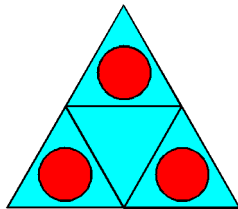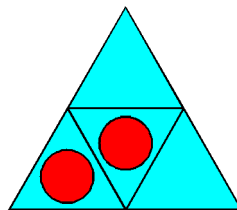
The challenge

The challenge is to fold the puzzle up into a flat triangular shape in which first one, then two, then three and finally all four of the smaller triangular segments are decorated with a circular motif. In all cases no circular motifs should show on the other side of the puzzle. It is also possible to create a triangle in which no circular motifs are visible on either side. Not all the alternatives shown below are possible.
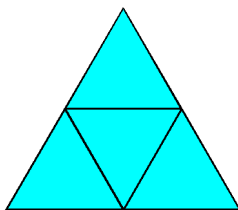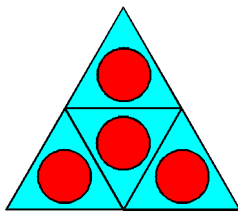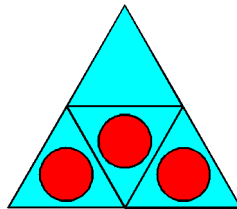
or

or

or

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