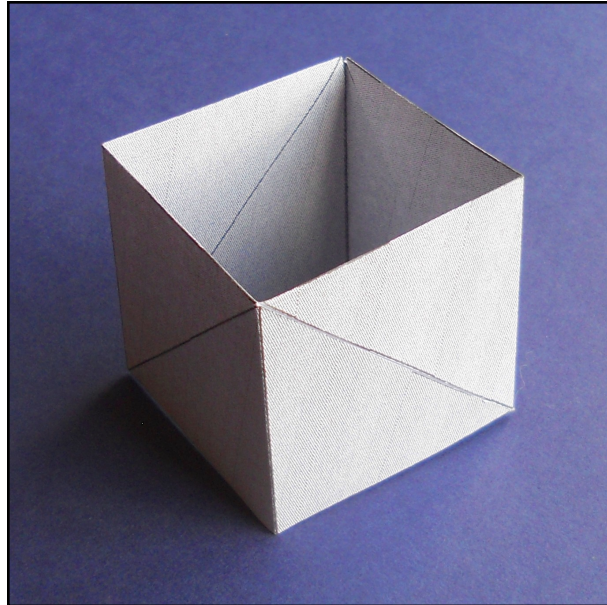


Night and Day

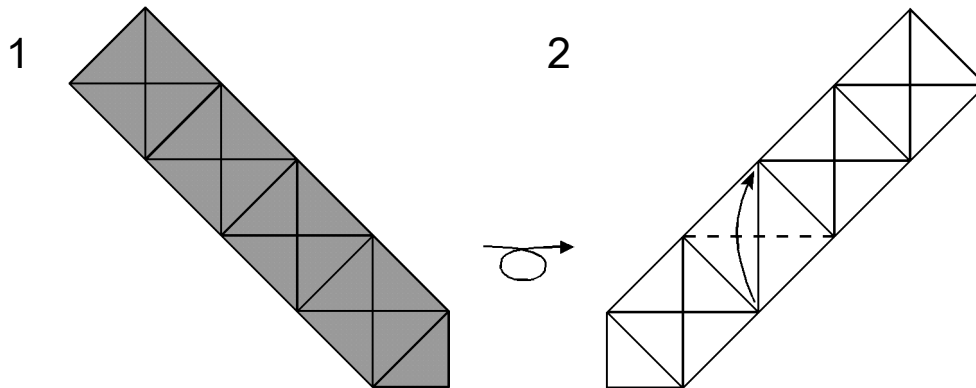
Designed by David Mitchell

Night and Day is a puzzle derived from the flexagon that I call the Woven Flexatube. You can find a complete technical analysis of this flexagon on the Flexagons page of this site.

The object of the puzzle is to turn a completely dark shaded tube, Night, into a completely white one, Day, just by using the existing creases of the design.



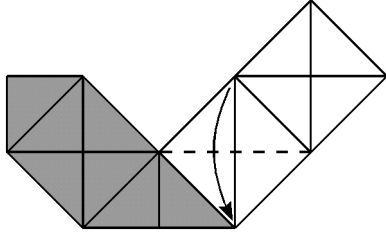
I have included a template for the puzzle on the last page of this pdf. A larger template can be found on the Puzzles page of this site. You could, of course, construct Night and Day without using the template from any kind of paper that has a different colour or pattern on either side. In this case you would simply ignore instruction 1.



1. Cut the template out and crease carefully along all the boundaries between the segments. Fold all the creases backwards as well as forwards so that the segments move freely in both directions. Turn over sideways.

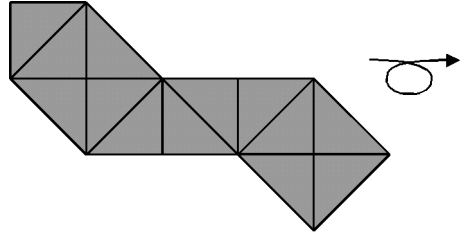
2. Fold the lower part of the template upwards as shown.

3



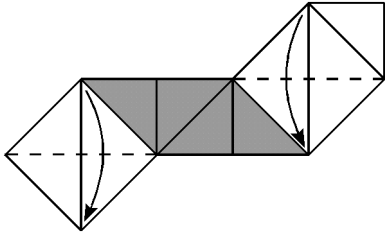
3. Fold the upper part of the template downwards as shown using the existing crease.

4



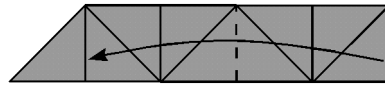
4. Turn over sideways.

5



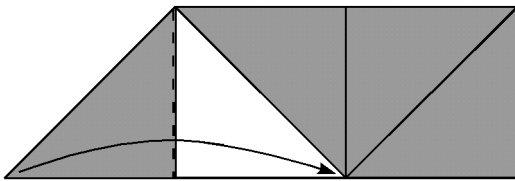
5. Fold the bottom left point upwards and the right top point downwards using the existing creases.

6



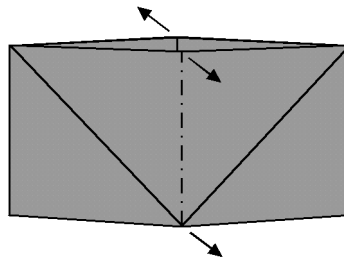
6. Fold the right edge across to the left using the existing crease.

7



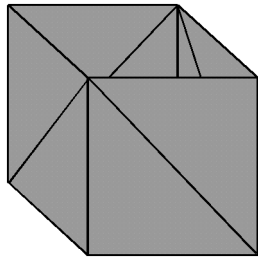
7. Apply glue to the white area a Then fold the left point across to the right using the existing crease. Hold the flap firmly in place until the glue has dried.

8



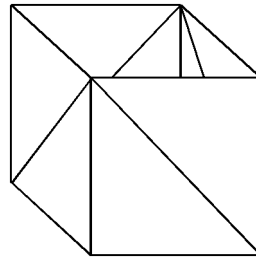
8. Separate the layers of the design and form it into an open tube.

9



9. The puzzle is ready. This is Night.

10



10. See if you can turn Night into Day.

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Template for
Night and Day

