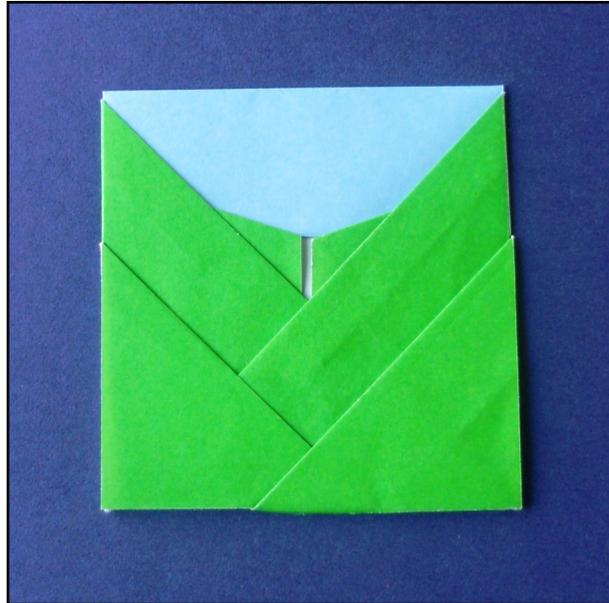


Upstream

Designed by David Mitchell

Upstream is one of a series of pictorial landscapes originally designed for my book *Origami Alfresco*. It is a quite unusual design in that the folding geometry is based on division into sevenths.

Upstream is in essence a single sheet design but in the version shown in the photo a sheet of blue paper has been inserted into the top to add some sky and emphasise the whiteness of the waterfall..

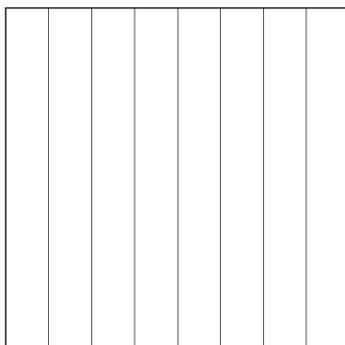


Upstream was designed in 1993.

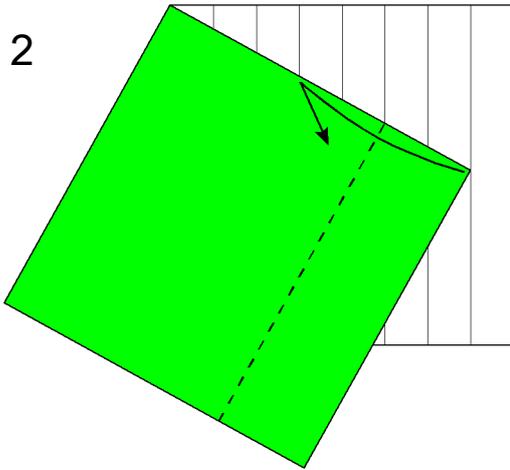
You will need a square of irogami, green / white for preference, for the design and another square of the same size to use as a template.

Begin with your paper arranged white side up.

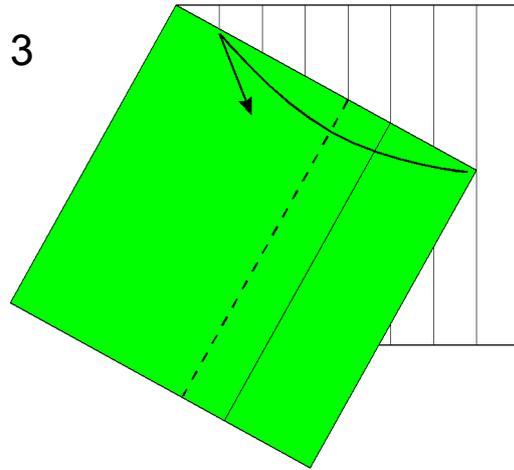
1



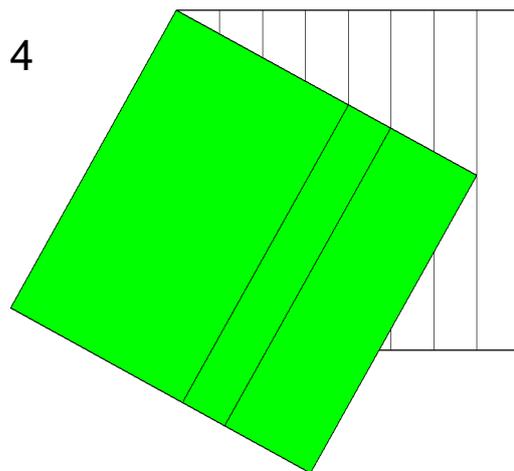
1. Divide your template into eight equal strips by folding into half, quarters and eighths.



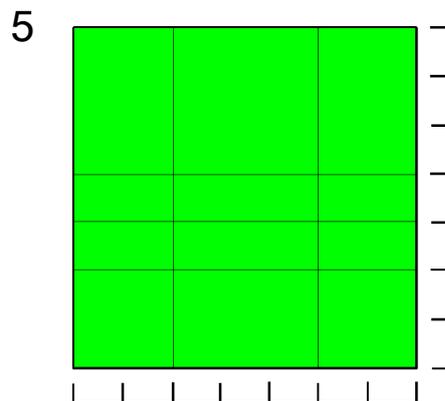
2. Lay the paper you are going to use to fold your sketch from onto the template coloured side up like this. Fold the right hand edge inwards as shown, then unfold.



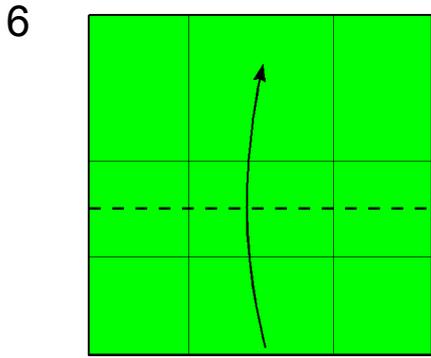
3. Make a second parallel crease like this. Make sure the two squares do not move out of alignment while you make these folds.



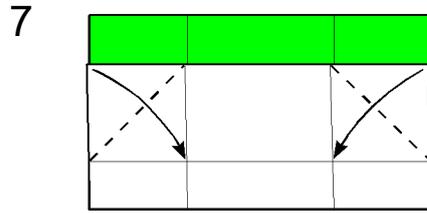
4. By rotating the position of the paper on the template and repeating fold 3 once and fold 2 twice you can produce the grid of folds shown in step 5.



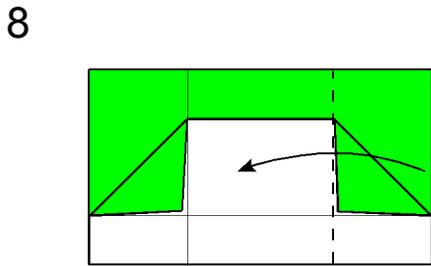
5. This design is based on the division of the square into a 7x7 grid of smaller squares. However, only the five creases shown above are needed for the design.



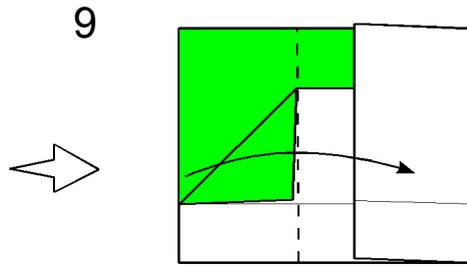
6. Fold the bottom edge upwards making use of the existing crease as shown.



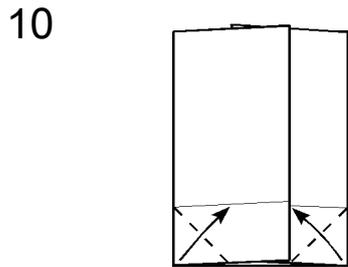
7. Fold both top corners of the front flap inwards.



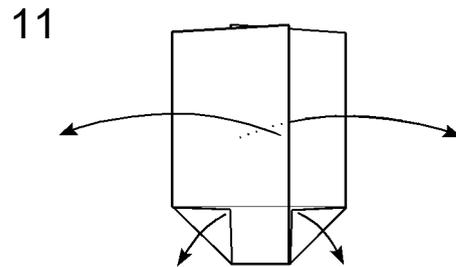
8. Fold the right hand edge inwards using the existing crease.



9. Fold the left hand edge inwards using the existing crease.

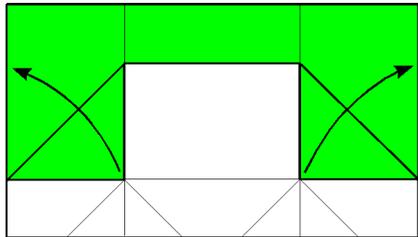


10. Fold both bottom corners inwards.



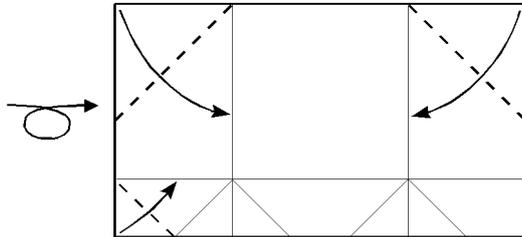
11. Open out the last four folds.

12



12. Open out the folds made in step 7, then turn over sideways.

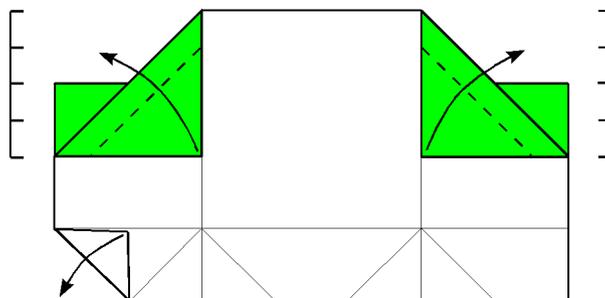
13



13. Fold both top corners and the bottom left hand corner inwards as shown.

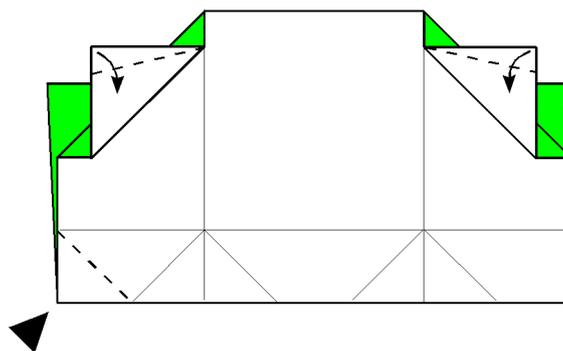


14



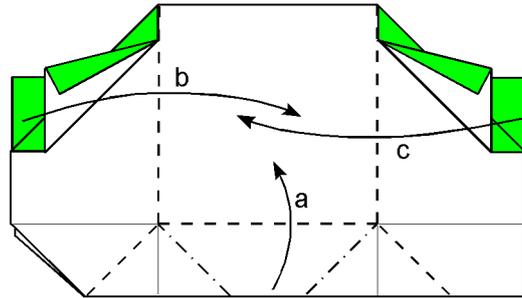
14. Undo the fold made to the bottom left hand corner in step 13. Fold both the coloured front flaps outwards, making sure that the creases are parallel to the folded edges outside them. It is important that both sides of the design remain evenly balanced.

15



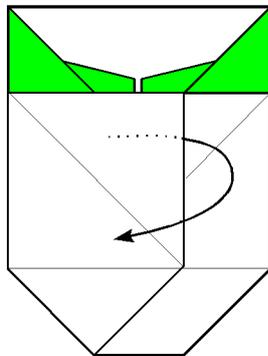
15. Turn the bottom left hand corner inside out between the folds using the existing creases. Fold the top corners of both front white flaps downwards as shown. It is important that both sides of the design remain evenly balanced.

16



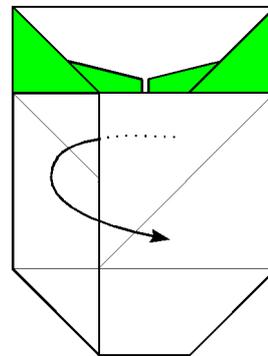
16. Collapse the design using the existing creases. Make fold a, then fold b and finally fold c. Make sure that the result looks like picture 17.

17



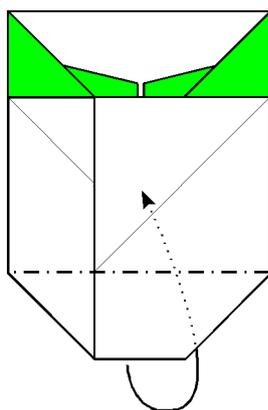
17. Bring just the front layer of the left hand side of the sketch to the front.

18



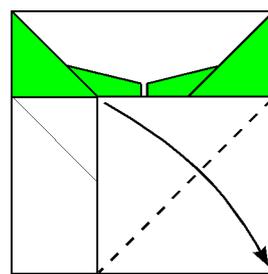
18. Bring just the front layer of the right hand side of the sketch to the front. The layers of the right and left hand sides should now be interwoven.

19



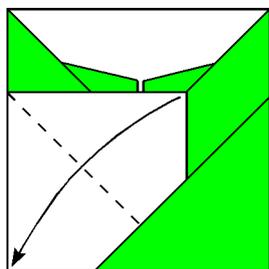
19. Tuck the bottom flap backwards into the pocket behind it.

20



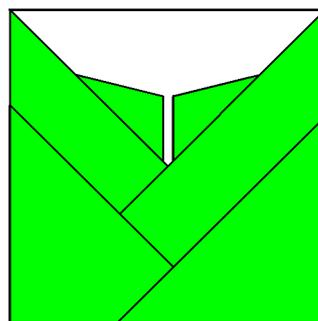
20. Fold the front flap outwards using the existing crease.

21



21. Fold the next layer outwards in a similar way in between the layers.

22



22. The last fold reveals the interlocking spurs of the valley and the waterfall that stands at the valley-head. Upstream is finished.

Copyright David Mitchell 2018
www.origamiheaven.com