

Dresden Bowl

Designed by David Mitchell

The Dresden Bowl, so called because it was first taught at an Origami Deutschland convention in Dresden, is one of my favourite single-sheet origami designs.

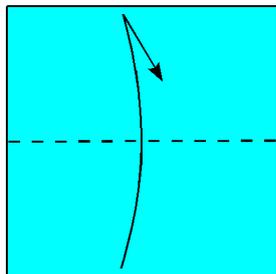
It is made by pre-creasing a square of paper then collapsing it into shape. The way the collapse happens is particularly elegant. Once the collapse has been made the tension created by the curved corners then acts to hold the bowl firmly in shape.



I designed the Dresden Bowl in 2004.

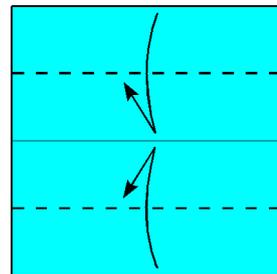
You will need a square of mono, duo or irogami paper for the bowl and a second square of the same size to use as a template. The template is used to help you fold the first square accurately into a 3x3 grid of smaller squares.

1



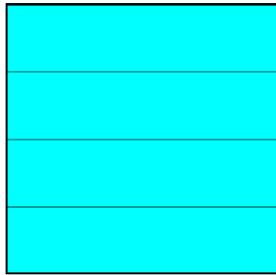
1. Fold the template in half upwards, crease, then unfold.

2



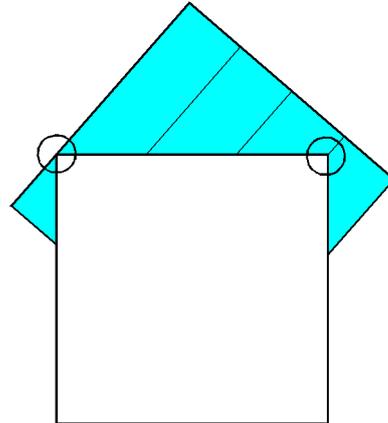
2. Fold both the top and bottom edges to the middle, crease, then unfold.

3



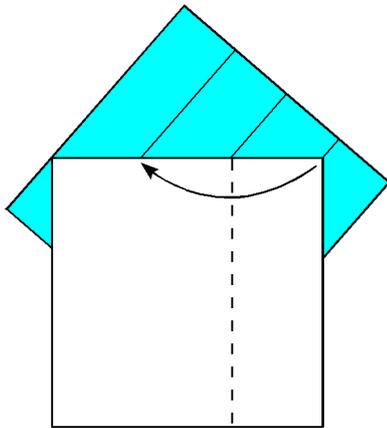
3. The template is finished.

4



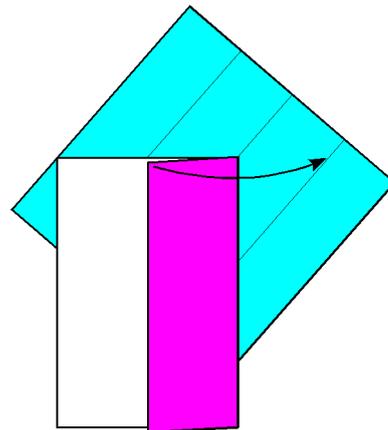
4. Lay your paper in front of the template like this. Make sure the side you want to form the inside of the bowl is facing towards you.

5



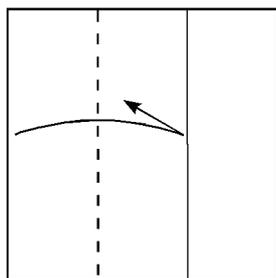
5. Fold the right hand corner inwards as shown. Make sure the two squares don't slip out of alignment as you make this fold.

6



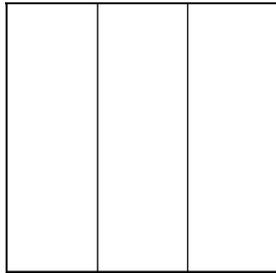
6. Open out the fold made in step 5 and remove the square from the template.

7



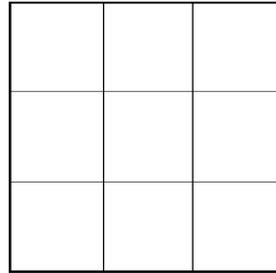
7. Fold the left hand edge onto the crease made in step 5, crease, then unfold.

8



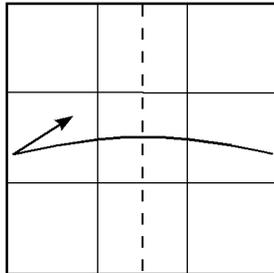
8. Your paper is now divided into thirds. To divide the paper into thirds in the other direction as well, rotate through ninety degrees and repeat steps 4 through 7.

9



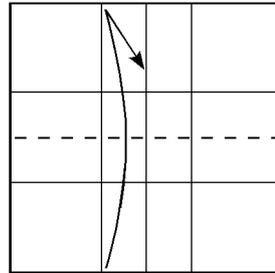
9. This is the result. The paper is now divided into 9 smaller squares.

10



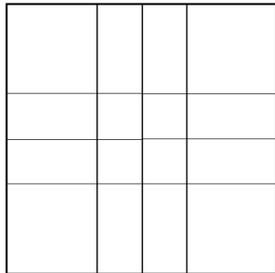
10. Fold in half sideways, crease, then unfold.

11



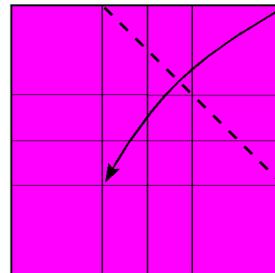
11. Fold in half upwards, crease, then unfold.

12

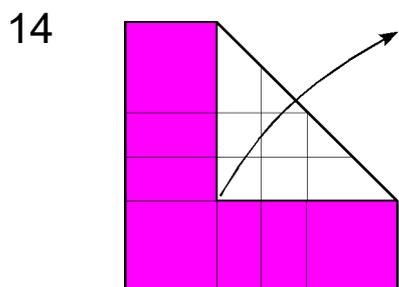


12. Turn over sideways.

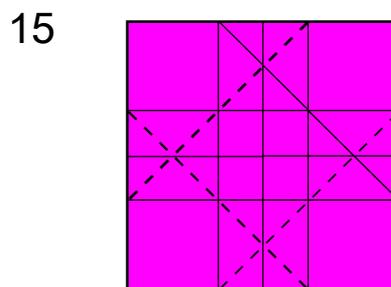
13



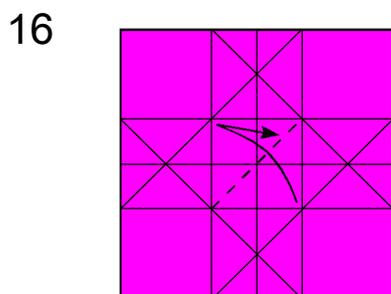
13. Fold the top right hand corner inwards as shown.



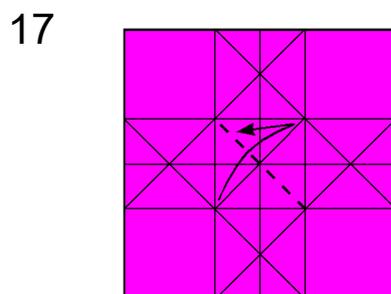
14. Open out the fold made in step 13.



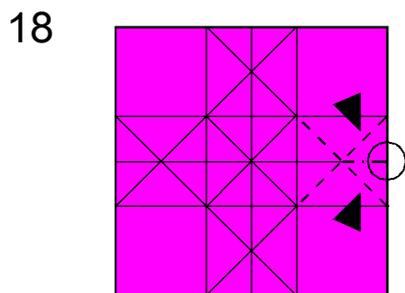
15. Repeat folds 13 and 14 on the other three corners.



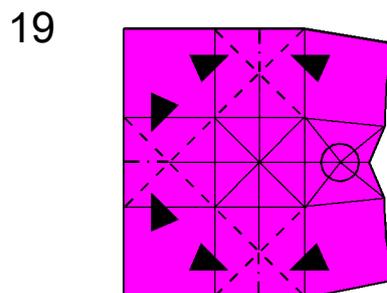
16. Make a diagonal crease across the central square. Be very careful to make sure the crease does not extend into either of the corner squares.



17. Make a second diagonal crease across the central square in the opposite direction. Be very careful to make sure the crease does not extend into either of the corner squares.

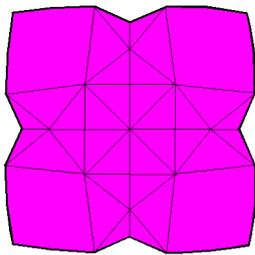


18. Pinch the middle of the right hand edge so that the point marked with a circle rises up towards you.



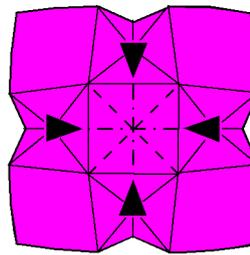
19. The point marked with a circle here should have become concave. Repeat step 18 on the other three sides.

20



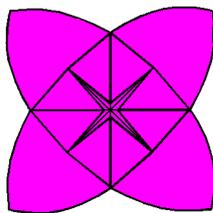
20. This is the result. The central square should be flat but slightly raised. Note that the corner squares are beginning to curve.

21



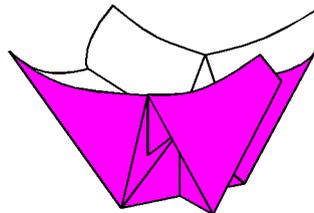
21. Pick the paper up then push all four sides of the central square inwards so that the centre sinks. As you do this the paper will collapse into the form shown in picture 22.

22



22. This is the result. Turn over.

23



23. The Dresden Bowl is finished.