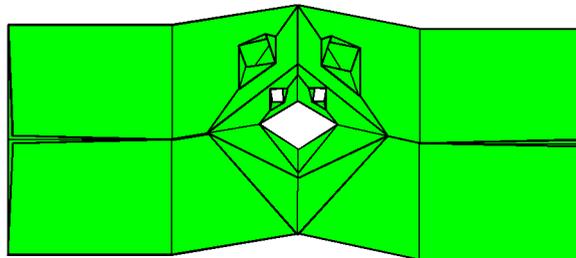


# Frog Eat Frog

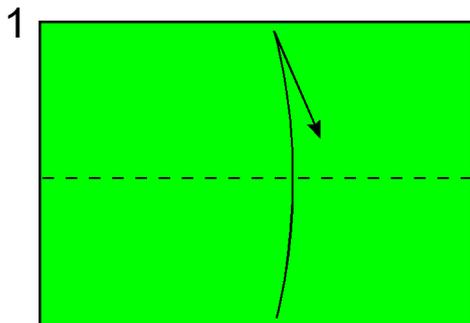
Designed by David Mitchell

Frog Eat Frog is a cut-and-fold design which I created in 2005. It depends on the previous design work of Robert Neale, who created the opening and closing mouth, and of Paul Jackson, who added the eyes. My contribution was to realise that one frog can be placed inside the mouth of the other.

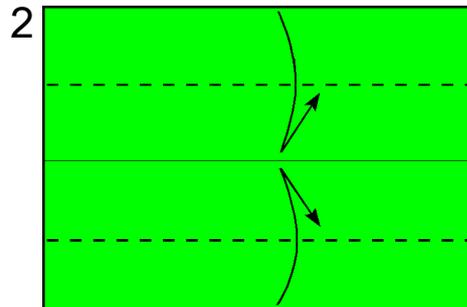


There is no need to stop at just two frogs. As the picture on page 7 shows, Frog Eat Frog Eat Frog is also a possibility. I leave you to reverse engineer the method for yourself. Frog Eat Frog Eat Frog Eat Frog is probably also possible, although I have not attempted it.

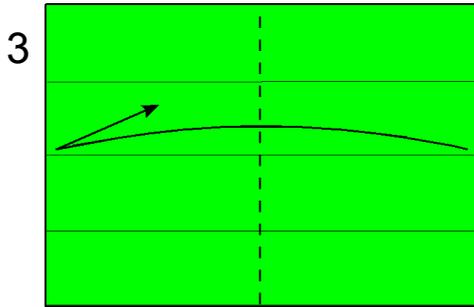
The diagrams show you how to make Frog Eat Frog from a single sheet of homogeneous A4 paper, although US letter size paper will work equally well.



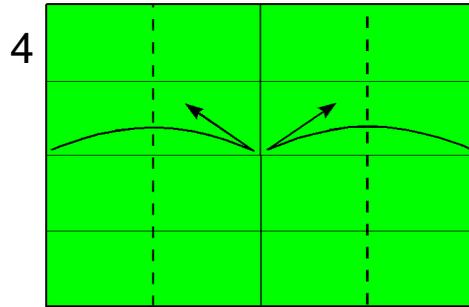
1. Fold in half from bottom to top, then unfold.



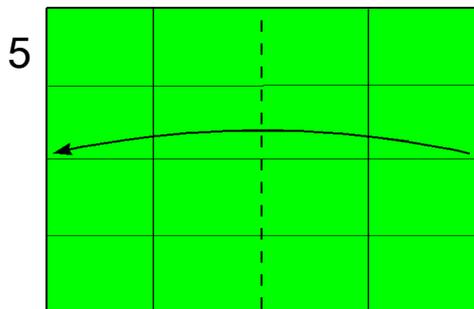
2. Fold the top and bottom edges inwards to lie along the horizontal centre crease, then unfold.



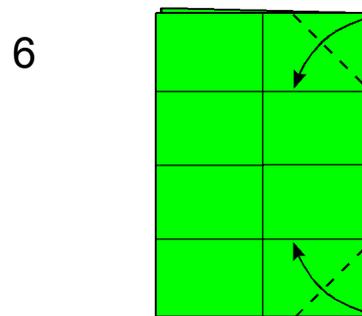
3. Fold in half from right to left, then unfold.



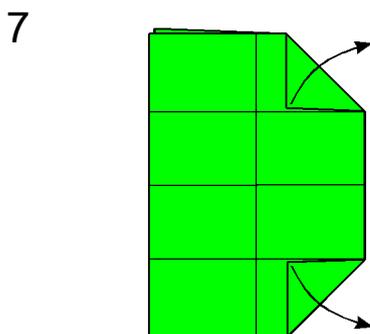
4. Fold the right and left edges inwards to lie along the vertical centre crease, then unfold.



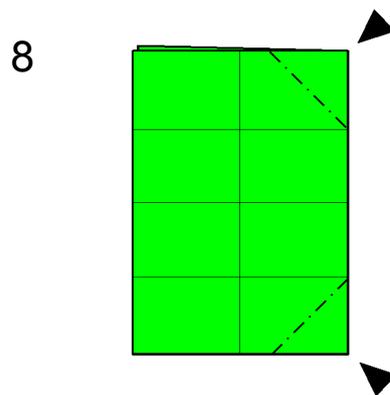
5. Fold in half from right to left using the crease made in step 3.



6. Fold The top and bottom right hand corners inwards using the horizontal creases as a guide.

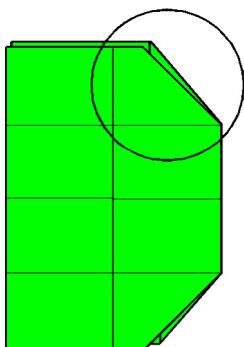


7. Open out the folds made in step 6.



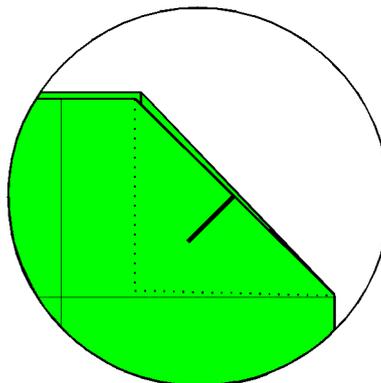
8. Push both corners inside out between the other layers using the creases made in step 6.

9



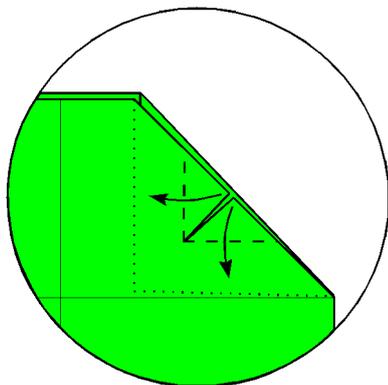
9. This is the result. Crease the edges firmly. Follow the instructions in the enlargements to create the first frog.

10



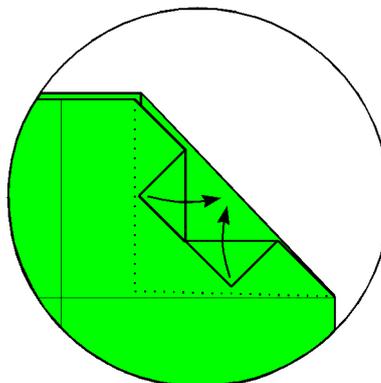
10. Make a cut (through the front layers only) in the way shown here. The cut starts half way along the sloping edge and heads for the hidden corner (shown by dotted lines). Stop cutting when you are halfway between the sloping edge and this hidden corner. You may be able to see where this corner is if you hold the paper in front of a bright light source (a sunny window or a lamp), otherwise rub over the area with your finger until an impression of the underlying layers appears.

11



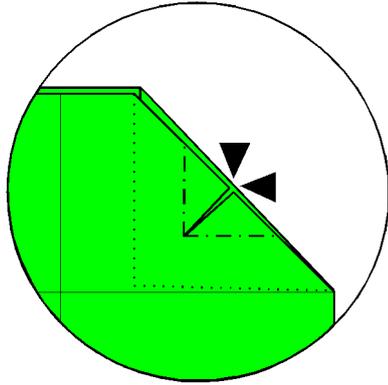
11. Make the two small folds shown here. The creases should be parallel to the edges of the hidden flaps.

12



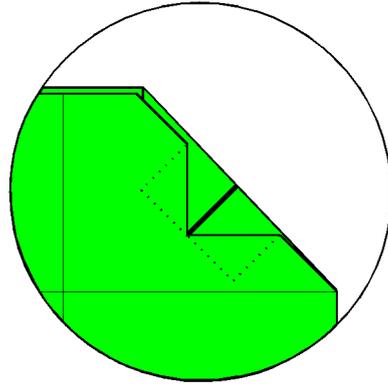
12. Open out the folds made in step 11.

13



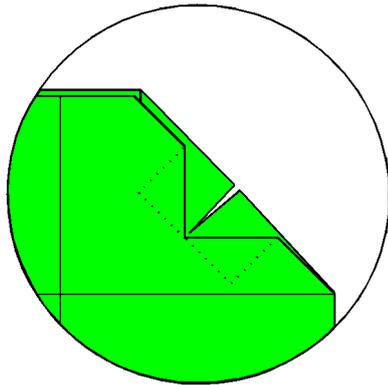
13. Push both flaps inside out between the other layers using the creases made in step 11. Crease firmly.

14



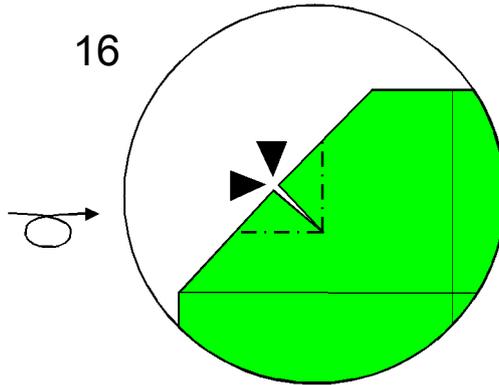
14. Make a cut through the back layers to match the cut you made in the front layers in step 10. This cut is easier to make since you can use the front layers as a guide.

15



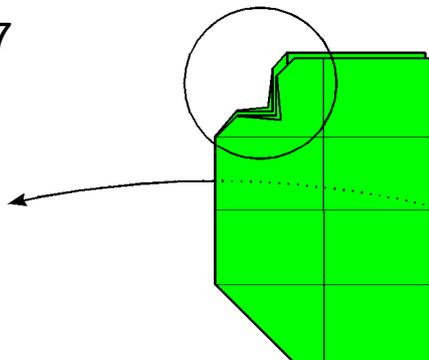
15. Turn over sideways.

16



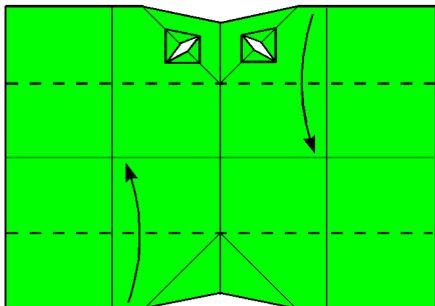
16. Repeat steps 11 through 13 on this pair of flaps. Don't forget to crease firmly again.

17



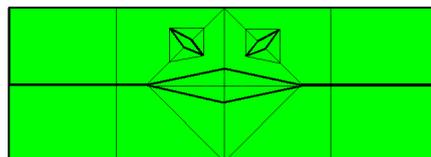
17. Swing the back layers of the design into view without turning the paper over. Be careful not to flatten any of the folds.

18



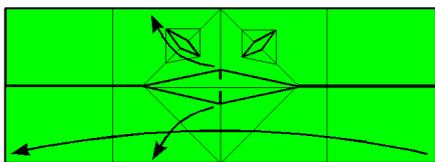
18. Fold the top and bottom edges inwards using the existing creases.

19



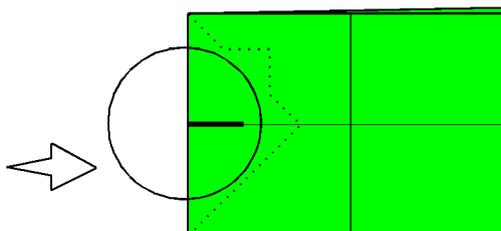
19. The first frog is finished.

20



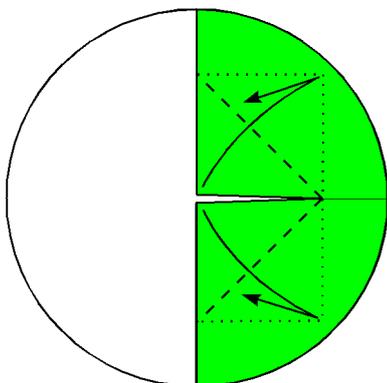
20. Begin making the second frog by folding the paper in half from right to left. Make sure the folds of the frog's mouth and eyes swing out into their fully open position again as you do this.

21



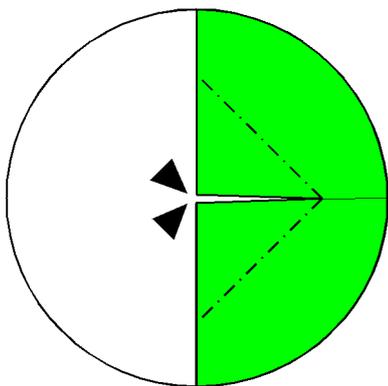
21. The dotted line shows the hidden edges of the inside layers of paper. Before you make this cut check that all the edges do in fact lie in the position shown. ( See step 10 for how to find the edges of the hidden layers ). This cut goes roughly halfway to the apex of the hidden layers. Once you have made the cut follow the instructions in the enlargements to create the second frog.

22



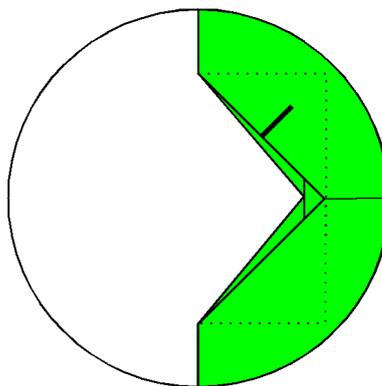
22. Fold the corners released by the cut inwards so that they end up in the positions marked by the dotted lines, crease firmly, then unfold.

23



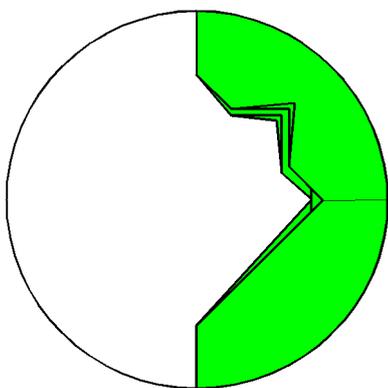
23. Push both flaps inside out between the layers using the creases made in step 22. Crease firmly.

24



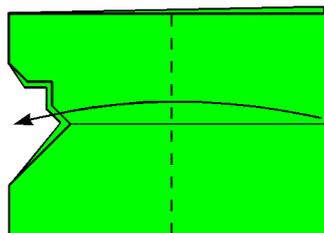
24. This is the result. Make another tiny cut (through the front layers only) in the way shown here. This move is a repeat of step 10. Continue to form the second frog by repeating steps 11 through 16 as well.

25



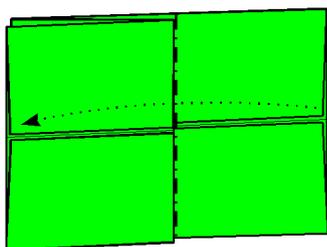
25. The result should look like this. Crease all the edges firmly.

26



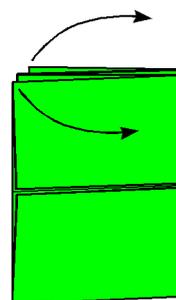
26. Using the existing crease, fold the right hand edge of the front layers across to the left.

27



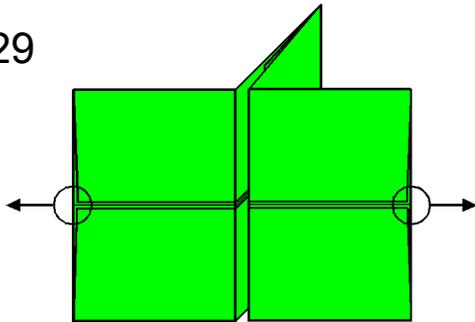
27. Using the existing crease, fold the remaining right hand edge across to the left behind the other layers of the paper.

28



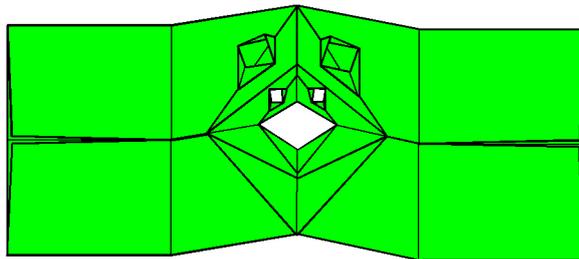
28. Crease all the edges, including the edges of the internal layers, firmly once more, then swing the front and back flaps out at right angles.

29



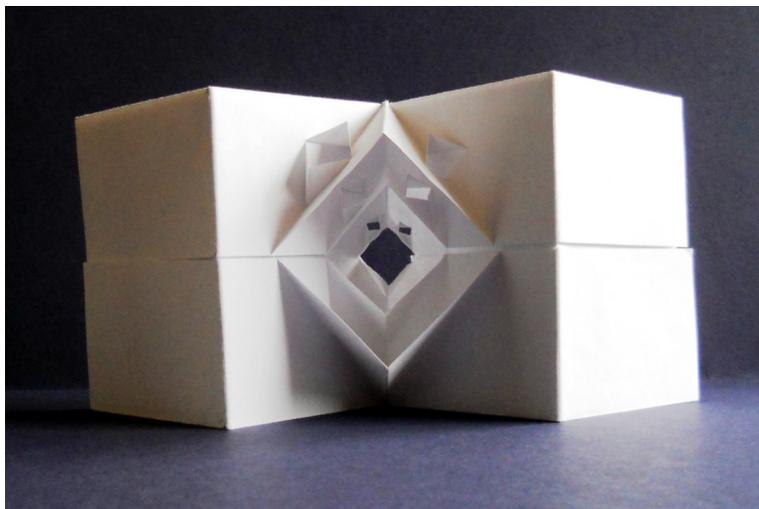
29. Grasp a flap in either hand and pull gently apart.

30



30. The eyes and mouths of both frogs can be made to close and reopen by gently pushing the two sides of the design together then pulling them apart again. Be careful! It's a Frog Eat Frog world out there.

As the picture below shows, it is also possible to place a third frog inside the mouth of the second, smaller, to create Frog Eat Frog Eat Frog.



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