

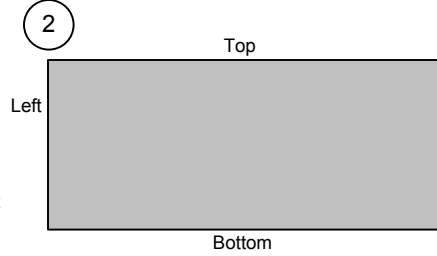
# Dollar Koi Fish

Difficulty: Complex

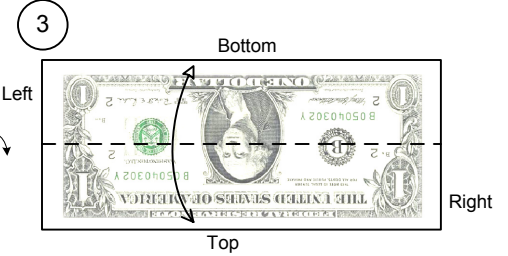
Designed by: Won Park  
Diagrammed by: Márcio Noguchi



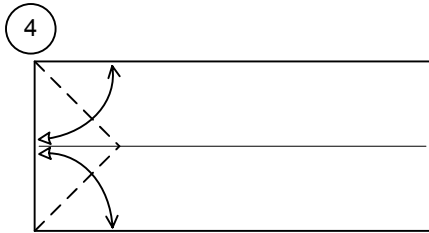
Begin with the above orientation. We will call the color side. Note: make sure that the note is perfectly square on corners (not crooked) and print is centered. Also, be as precise as possible with all the folds.



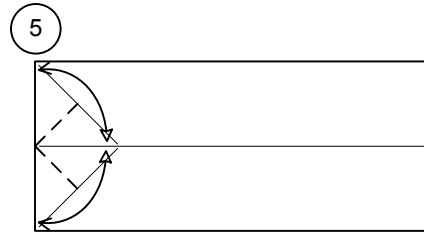
Turnover.  
(upside down)



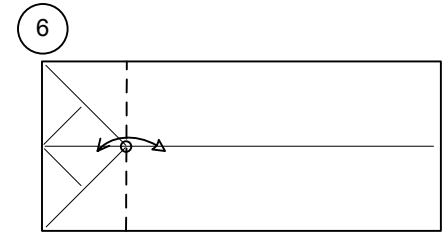
Fold in half lengthwise and unfold.  
Note: you should be working on the "black" side, with the George Washington upside-down.



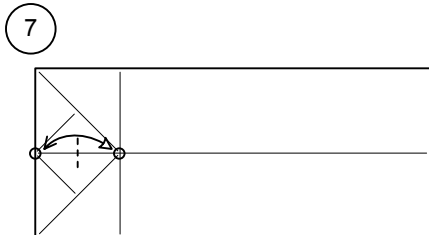
Fold short edge along long edge, and crease only up to the central horizontal crease. Unfold.



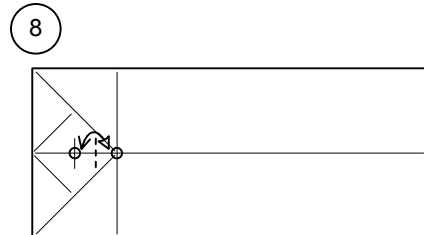
Fold short edge along the central horizontal crease. Unfold.



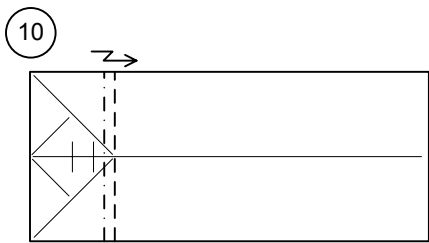
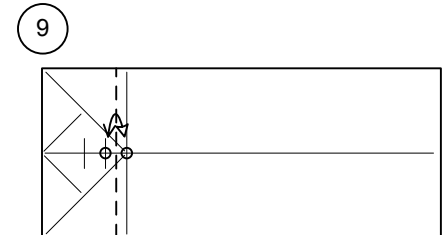
Fold a vertical crease intersecting the reference point.



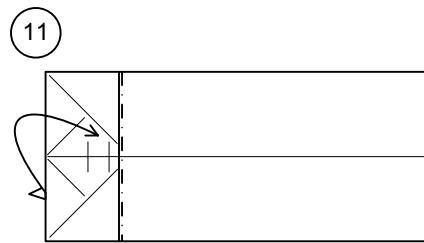
Pinch the middle of the reference points.



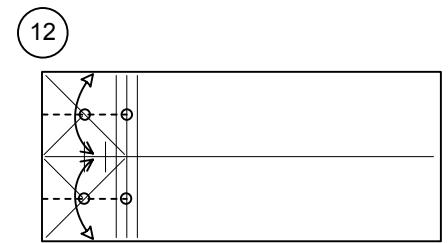
Pinch the middle of the reference points.



Pleate using existing creases.



Fold bottom layer creasing along the folded edge. Unfold. Unfold the pleat, back to completely open position. This creates a third vertical crease, with the same distance from the first to the second creases.



Crease parallel to the horizontal center line starting from the edge to the second vertical crease line.

13



Pre-crease for a future step. Mountain fold the raw edge along the diagonal, from corner to an arbitrary point before the vertical line.

14



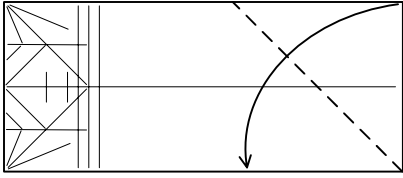
Pre-crease for a future step. Mountain fold the raw edge along the diagonal, from the corner to the horizontal line.

15



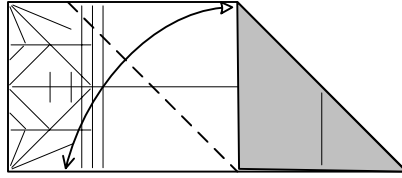
Pre-crease for a future step. Mountain fold parallel to the diagonal created on step 5.

16



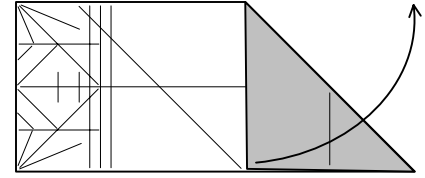
Fold short edge along the long edge.

17



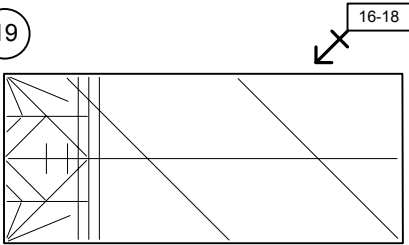
Fold top edge along the vertical edge. Unfold.

18



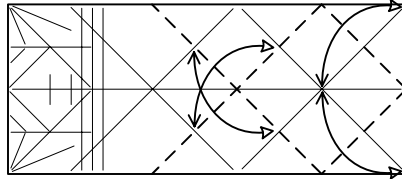
Unfold.

19



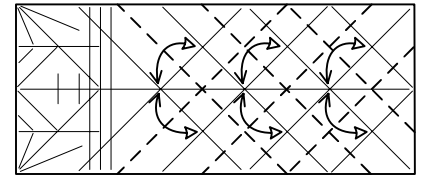
Repeat steps 16 to 18 on the other side, creating symmetrical creases.

20



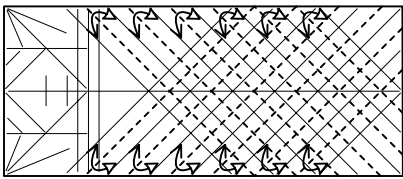
Steps 20 to 23 are the pre-creasing for the scales. Fold and unfold.

21



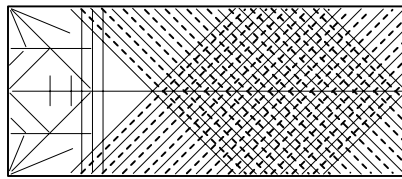
Fold and unfold.

22



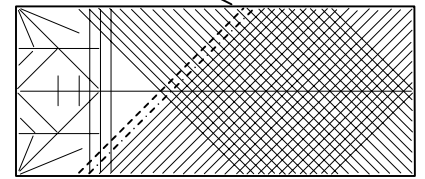
Fold and unfold. Reversing all folds from steps 16-21 is very helpful here, since we will be reversing many of the creases. Creases will be used both directions.

23

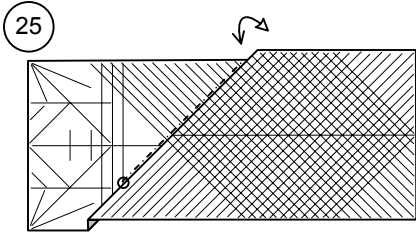


Fold and unfold. Pre-pleating here helps.

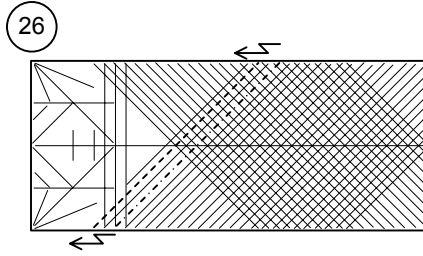
24



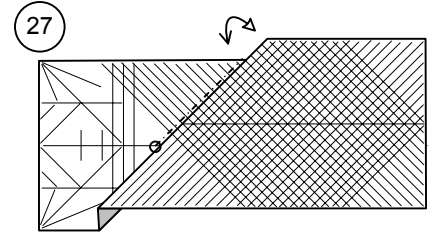
Pleat on existing creases.



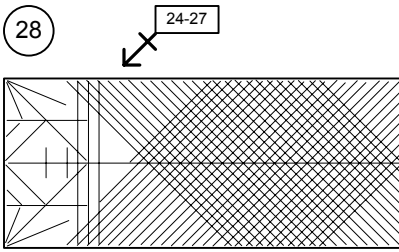
25  
Crease along the folded edge until the vertical crease line. Unfold. Unfold the pleat, back to completely open position.



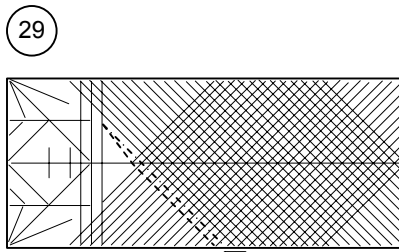
26  
Pleat on existing creases.



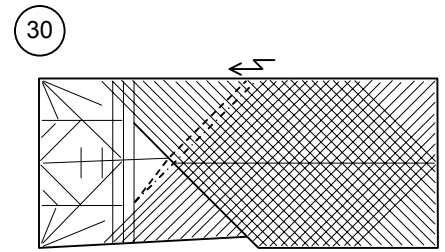
27  
Crease along the folded edge until the horizontal center crease line. Unfold. Unfold the pleat, back to completely open position.



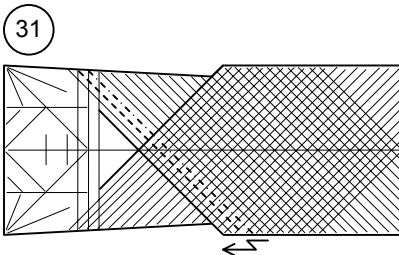
28  
Repeat steps 24 to 27 on the other side, creating symmetrical creases.



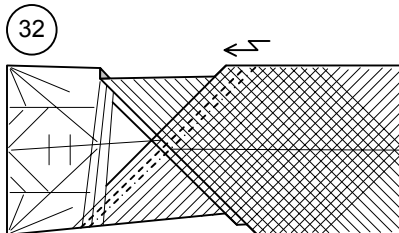
29  
Pleat using creases created on previous step. A new crease (valley) is required in the middle. The model will not lie completely flat.



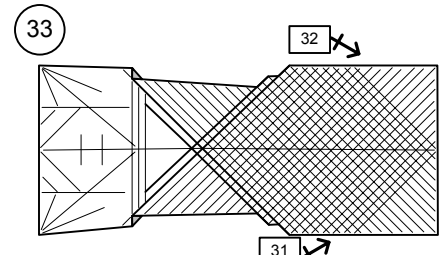
30  
Repeat the pleat on the other side.



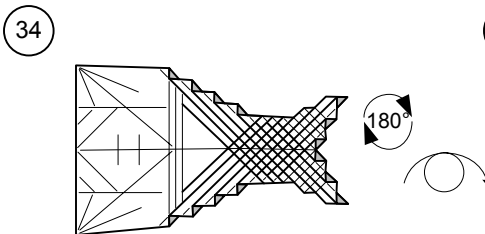
31  
Pleat all layers.



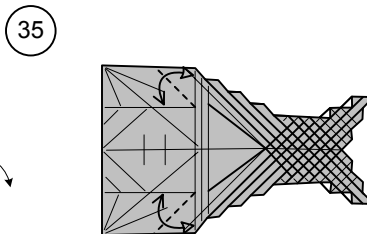
32  
Repeat the pleat on the other side.



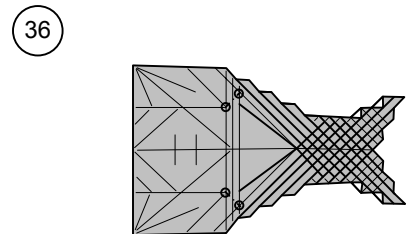
33  
Repeat cross pleats alternating the sides, all the way to the end. For each pleat, fold all layers.



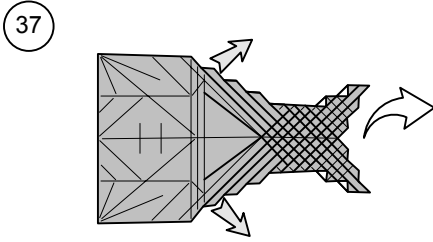
34  
Turn over.



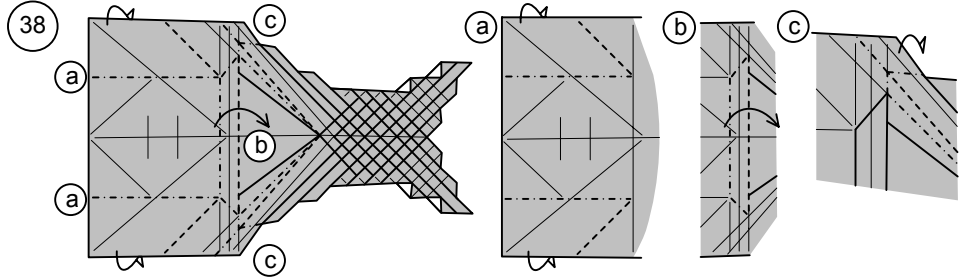
35  
Pre-crease. (Valley)



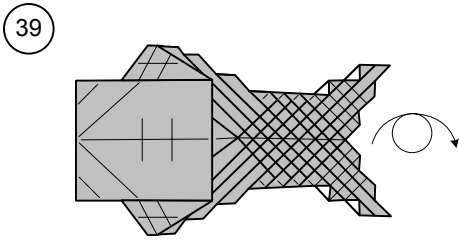
36  
Pre-crease. (Mountain)



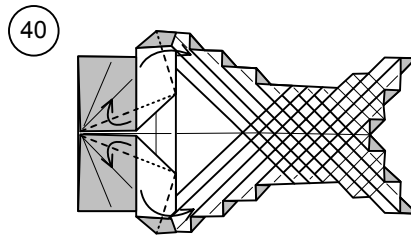
Open slightly (the model will not lie flat). Next steps are magnified.



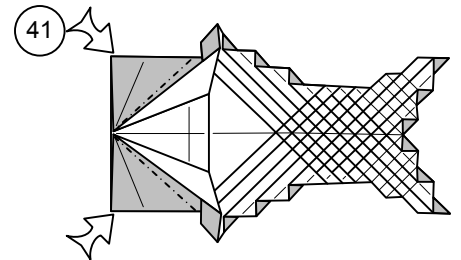
Collapse using existing creases, in sequence: a, b and then c. This will become the head and fins.



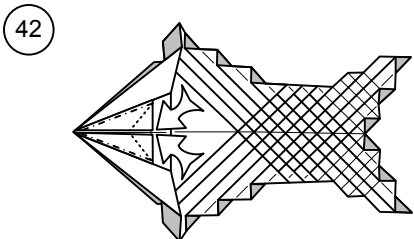
Turn over.



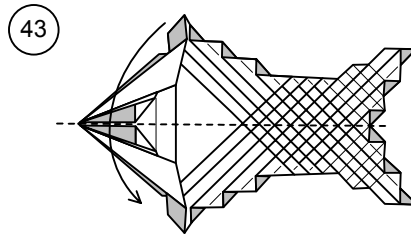
Swivel top layer.  
Use pre-crease made on step 13.



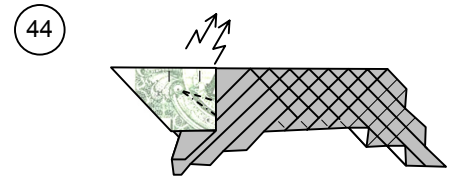
Inside reverse fold.



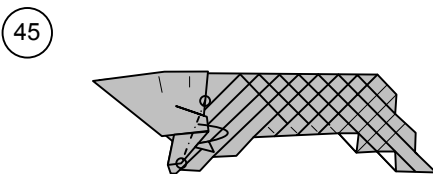
Inside reverse fold using creases created on steps 14 and 15. Note that on the underneath layer the raw edge will be perpendicular to the axis.



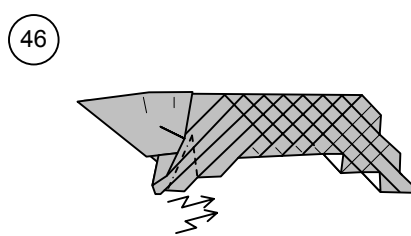
Very carefully and gently, fold in half all layers, molding the back of the fish.



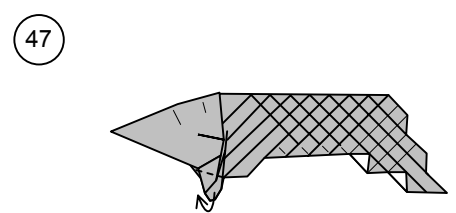
Crimp. You may need to use a tweezers. If you started with the correct orientation, you will notice the pattern of the note which will become the eyes.



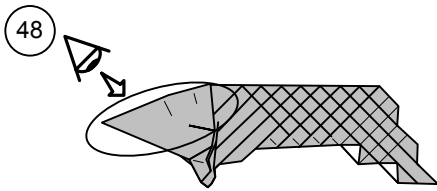
Fold behind (on both sides) locking the shape of the head.



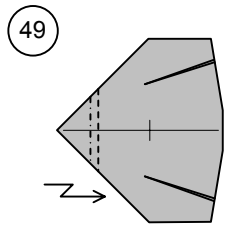
Crimp, to make the fins.



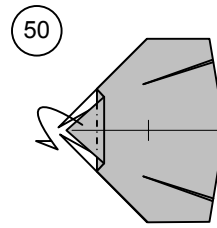
Lift the fins slightly, so that it can lie flat on the surface. Shape (on both sides).



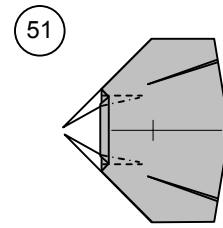
View from top, at the head area.



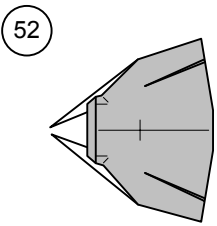
Pleat, to create the lips. Use the pattern printed on the note as a reference. Make the valley fold on the printed line.



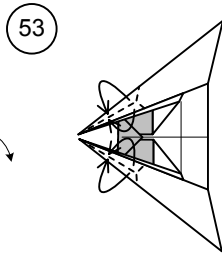
Fold inside.



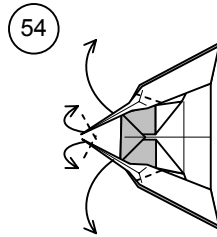
Pleat slightly, to shape the mouth. Note: don't fold the lips in half, otherwise it will split.



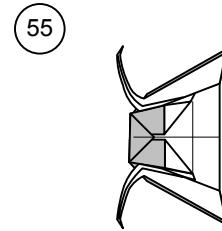
Turn over.



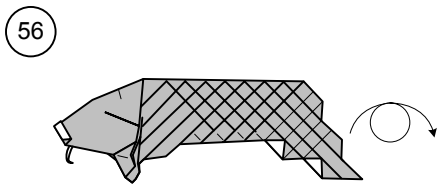
Rabbit ear to thin flap.



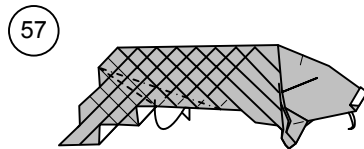
Shape the whiskers.



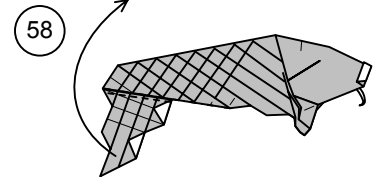
The head, lips and whiskers are now complete. Go back to the original view (step 48)



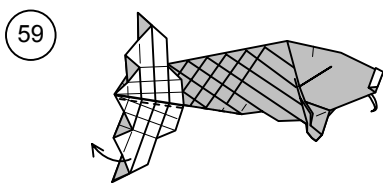
Turn over.



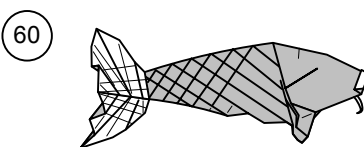
Thin the body towards the tail on both sides making a crimp. Shape carefully.



Lift one of the fins to the top.



Fold up slightly the bottom fin just enough so that it can lie flat on the surface. Shape it.



Koi fish complete.

