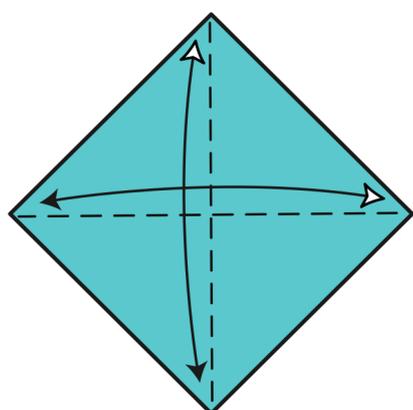
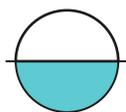


Manta Ray (by Nick Robinson)

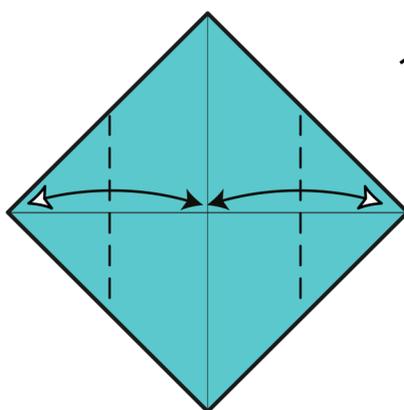
Design: Nick Robinson
Diagrams: Nick Robinson
Web: origami.me/manta-ray



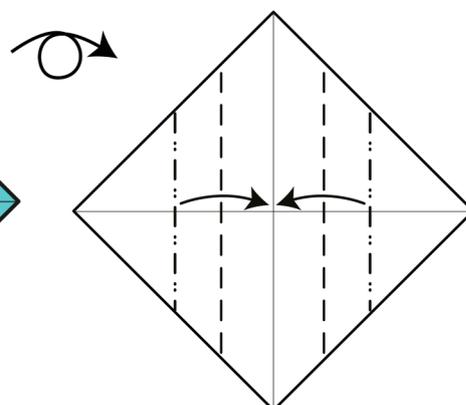
Click on the URL above to find pictures, videos, and a helpful community.



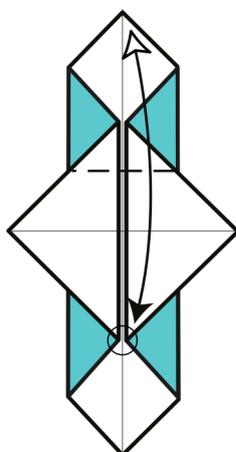
STEP 1: Start with the colored side facing up in a diamond position. Fold and unfold both diagonals.



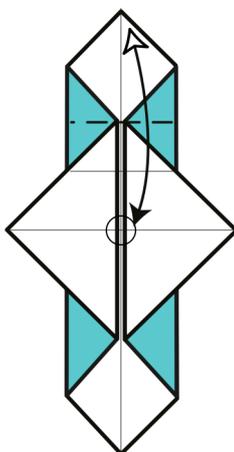
STEP 2: Fold and unfold the left and right corners to the center point. Then turn the paper over.



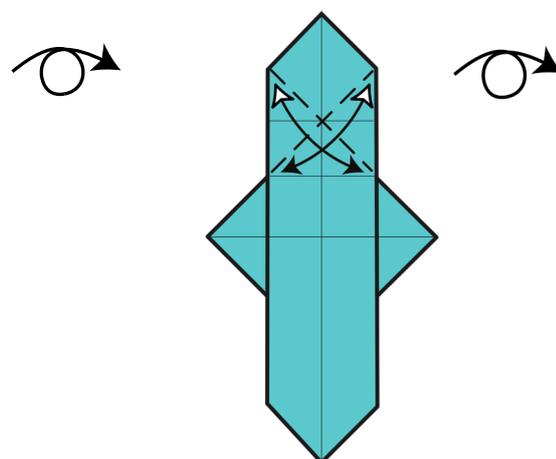
STEP 3: On each side, pinch the crease you just made and fold it to the vertical centerline.



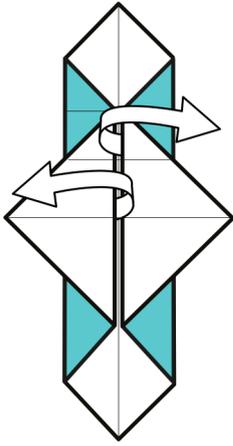
STEP 4: Fold the top corner down to the circled point. Then unfold.



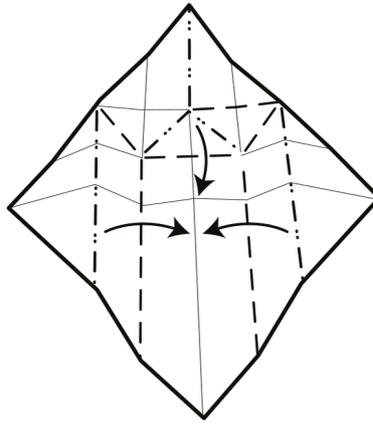
STEP 5: Again, fold the top corner down to the circled point. Then unfold and turn the paper over.



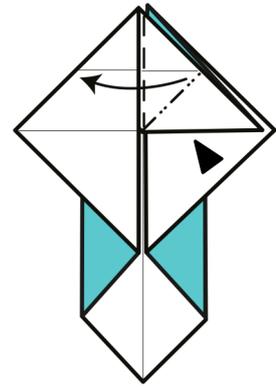
STEP 6: Fold and unfold the left and right edges to the horizontal centerline to create diagonal creases. Then turn the paper over.



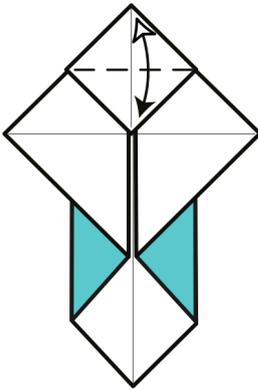
STEP 7: Unfold everything completely.



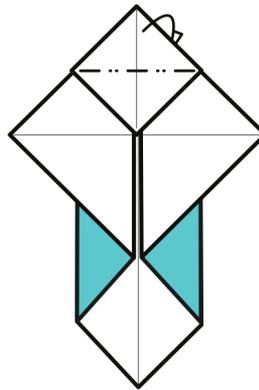
STEP 8: Collapse along the existing creases as shown. Start by folding the top area down, then fold the left and right sides inward.



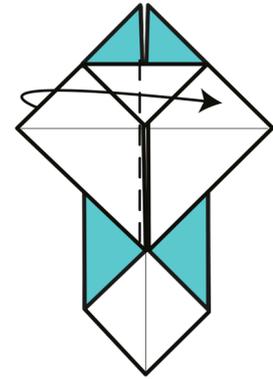
STEP 9: Lift up the top flap and squash it down along the existing creases.



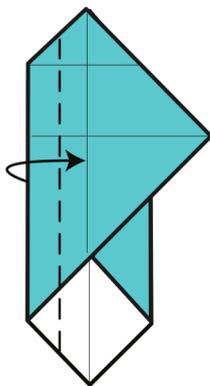
STEP 10: Fold the top square area in half along the horizontal diagonal. Then unfold.



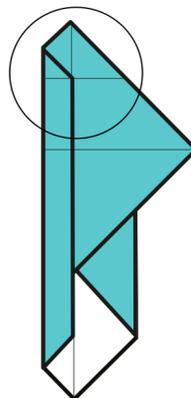
STEP 11: Mountain fold the top corner down into the back pocket along the crease you just made.



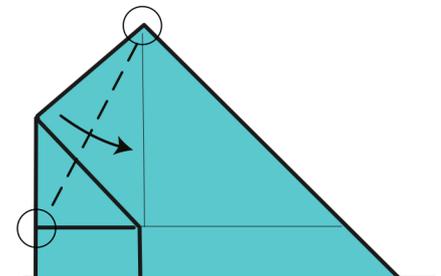
STEP 12: Fold the top left flap to the right.



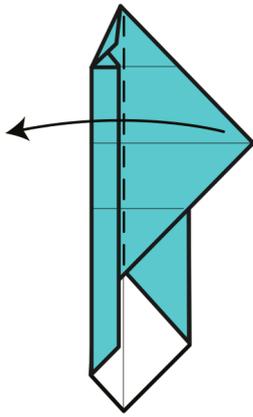
STEP 13: Fold the left edge toward the vertical centerline.



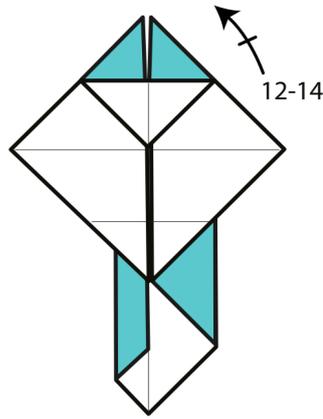
Zoom in.



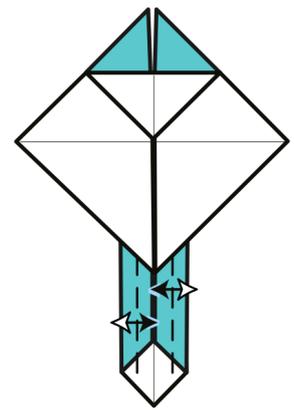
STEP 14: Fold the left corner inward. Your crease should connect the two circled points.



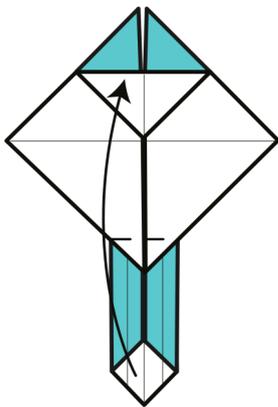
STEP 15: Fold the top flap back to the left.



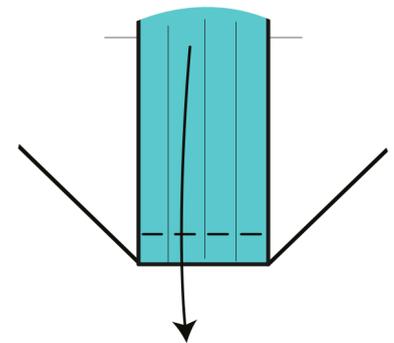
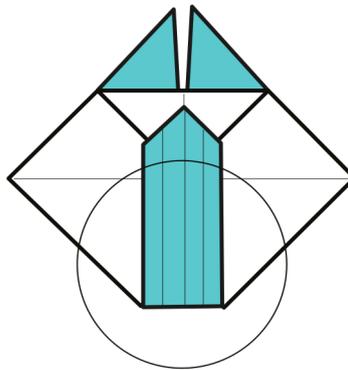
STEP 16: Repeat Steps 12 to 14 on the right side.



STEP 17: Fold and unfold the left and right edges of the tail fin to the centerline.

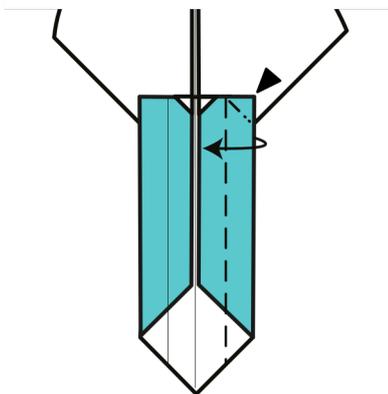


STEP 18: Fold the bottom corner up along the dashed line where the colored and white layers intersect.

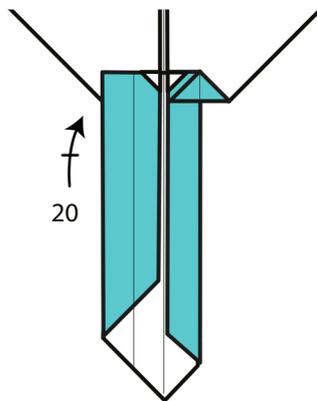


STEP 19: Fold the tail fin down along the dashed line.

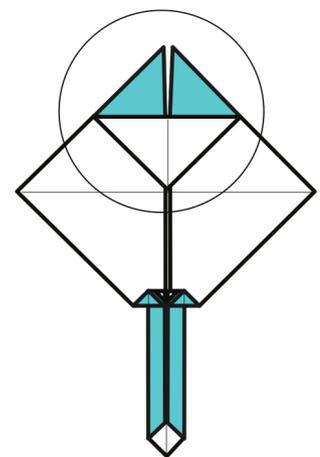
Zoom in.



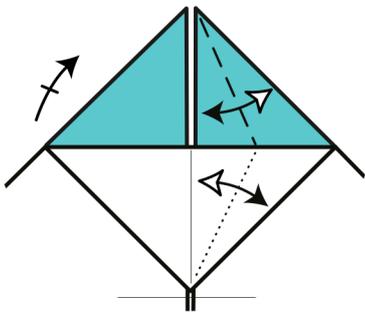
STEP 20: Fold the right edge to the vertical centerline. Squash the top area down to form a triangle.



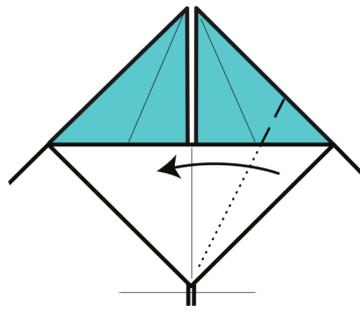
STEP 21: Repeat Step 20 on the left side.



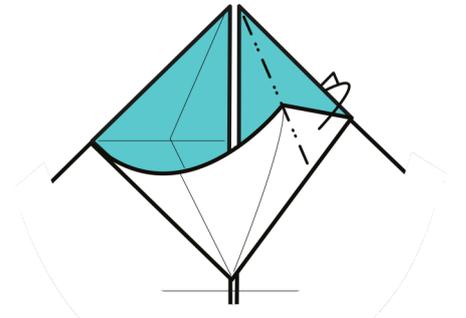
Zoom in.



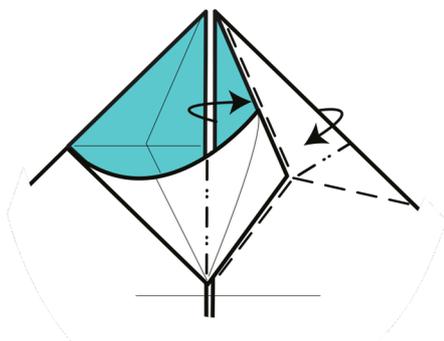
STEP 22: On each side, fold the top edge to the vertical centerline. Crease only from the top corner to the horizontal centerline. Then unfold. Repeat the same for the bottom edge.



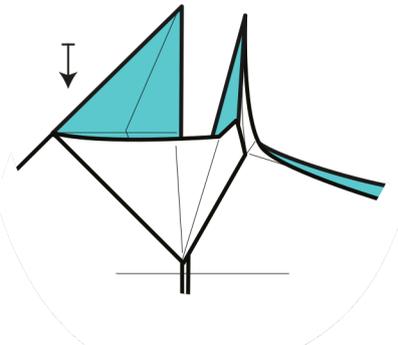
STEP 23: Fold along the crease you just made. Do not fold the top layer. From this step on, the model will not lie flat.



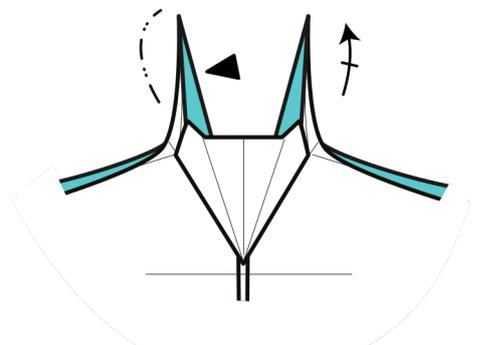
STEP 24: Mountain fold along the crease from Step 22, using only the two top layers.



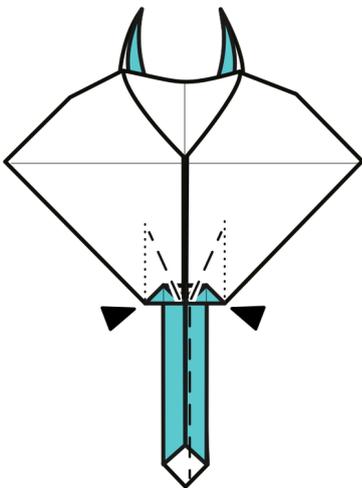
STEP 25: Thin the cephalic fin (the flap beside the mouth) as shown.



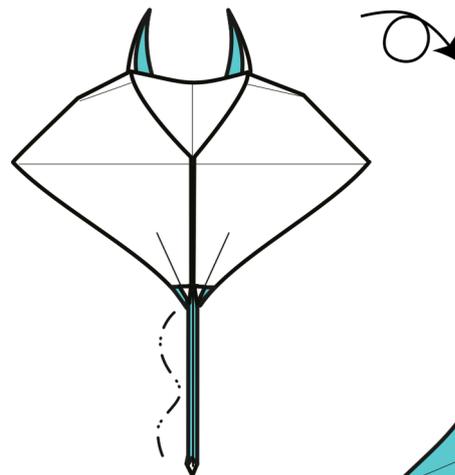
STEP 26: Repeat Step 25 on the left side.



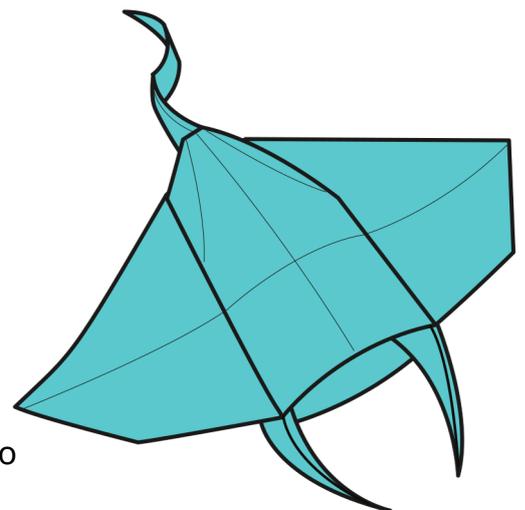
STEP 27: On both sides, gently curl the cephalic fins to shape them.



STEP 28: Thin the tail fin.



STEP 29: Curl the tail fin to finish shaping it.



Your origami Manta Ray is ready to glide!