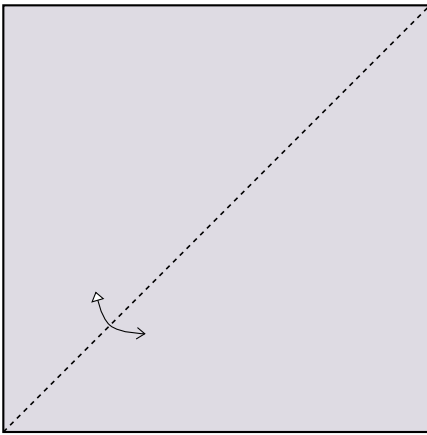
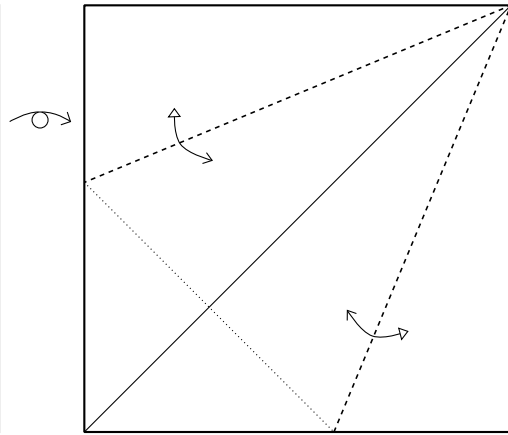
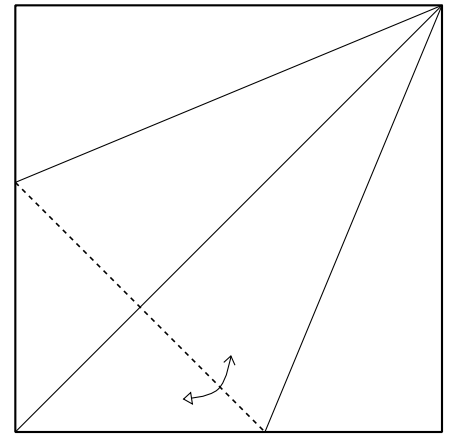




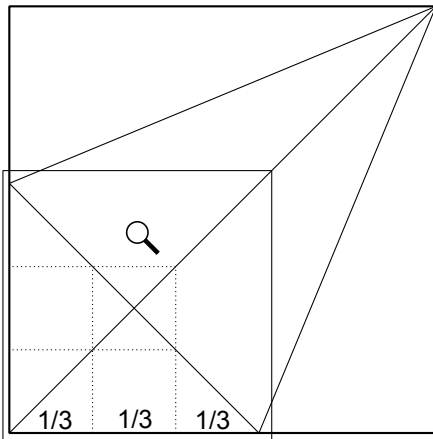
1. Begin with the colored side of the paper up. Valley fold one diagonal and unfold. Turn the paper over.



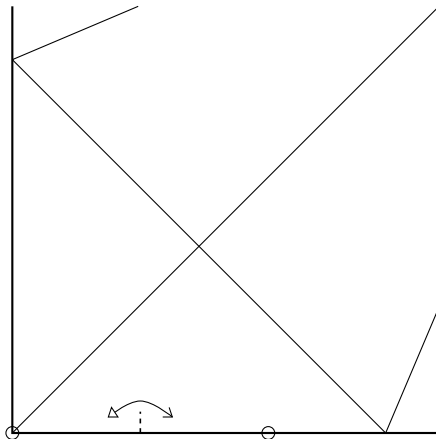
2. Kite fold two of the sides to the diagonal line and unfold.



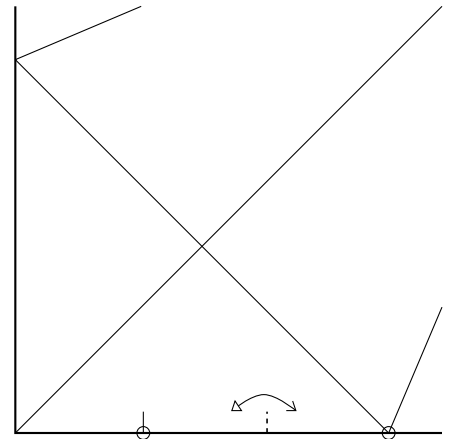
3. Fold the bottom corner up over the middle so the crease connects the ends of the kite folds. Unfold.



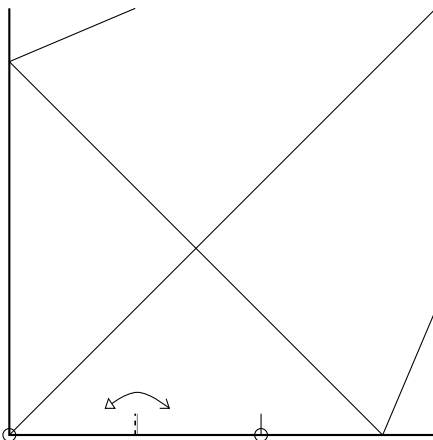
4. Focus on the lower corner. We need to divide the edge of the lower triangle into thirds. The next steps describe one way to do this.



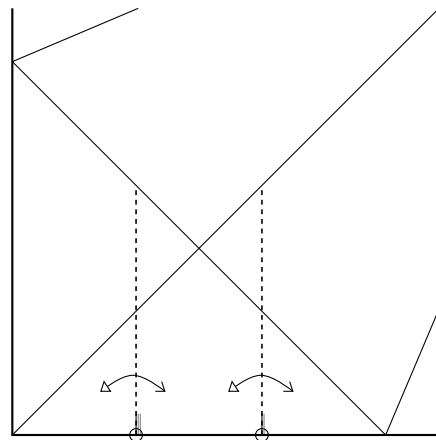
5. Estimate where the 2/3rds point falls on the lower edge. Fold the corner to that point and make a small crease at the approximate 1/3rd point.



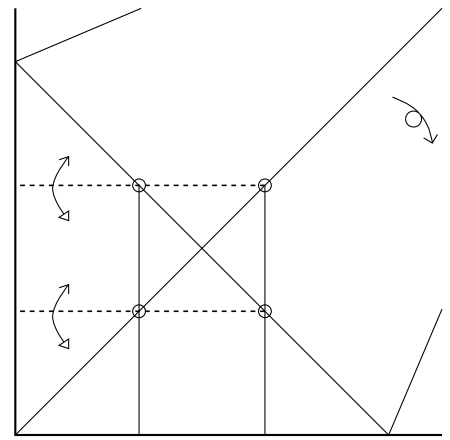
6. Fold the 1/3rd crease to the corner of the triangle. Make a small crease at the new 2/3rds point.



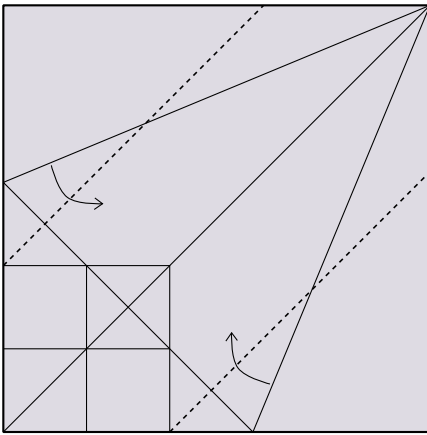
7. Fold the corner of the paper to the new 2/3rds point, making a small crease at the new 1/3rd point. Repeat steps 6 and 7 until you get the exact 1/3rd and 2/3rds points.



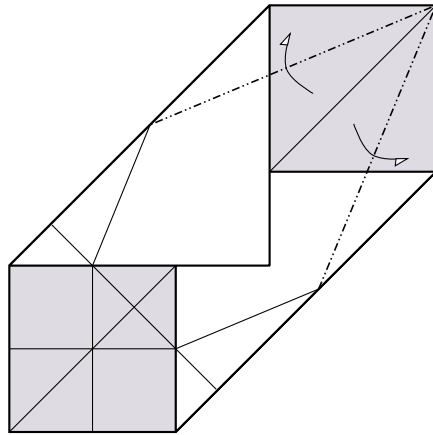
8. Fold and unfold the exact 1/3rd and 2/3rds lines up to the diagonals as shown.



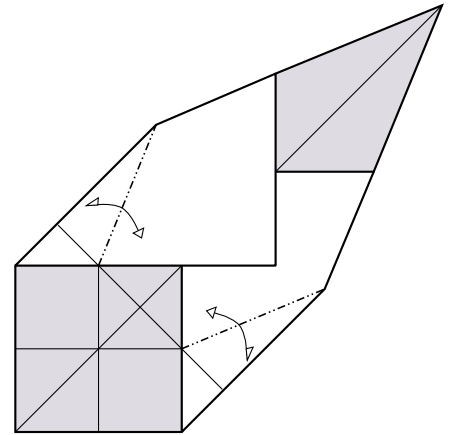
9. Fold and unfold the 1/3rd and 2/3rds horizontal lines using the previous intersections as guides. Turn the paper over across the diagonal.



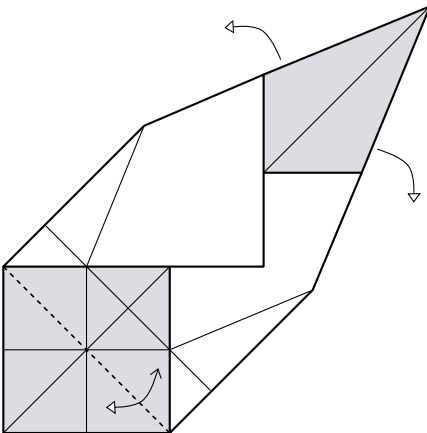
10. Valley fold the two corners across the middle. The folds begin at the 2/3rds points. The folds run parallel to the center diagonal crease.



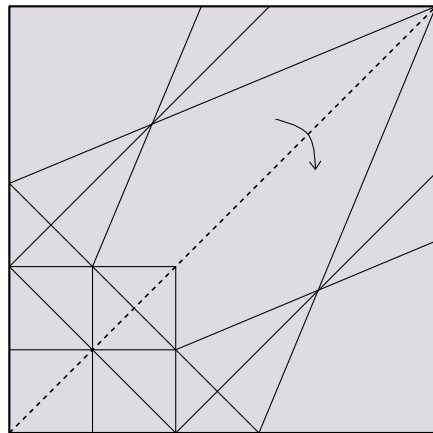
11. Mountain fold through both layers on the existing kite fold creases made in step 2.



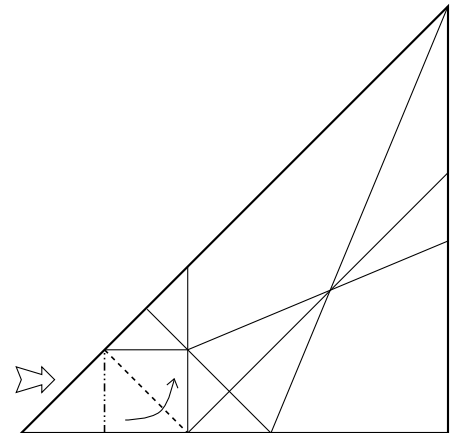
12. Mountain fold through both layers on the remainder of the kite fold creases. Be careful not to extend the creases into the lower square. Unfold.



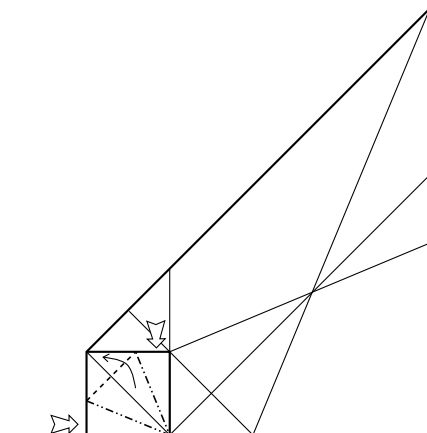
13. Fold the bottom corner up along the diagonal of the bottom squares. Unfold everything.



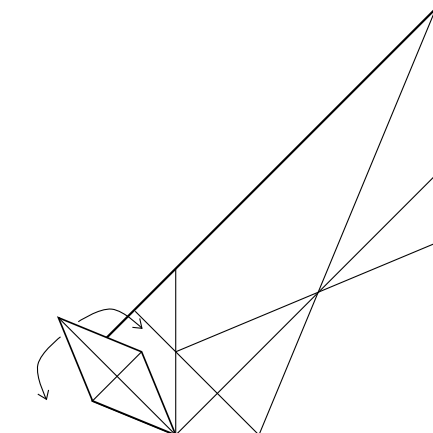
14. Fold the top down along the diagonal.



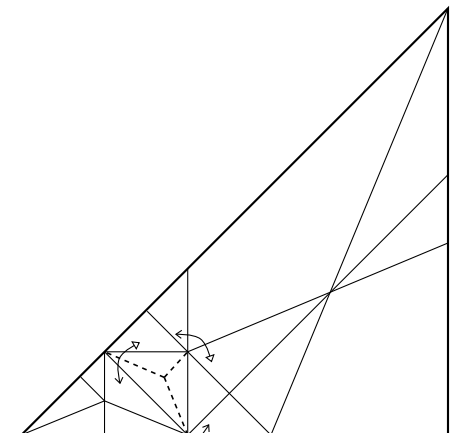
15. Squash fold the bottom corner on existing creases.



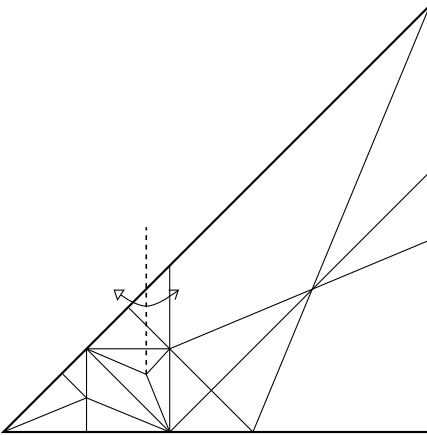
16. Petal fold the bottom corner upward.



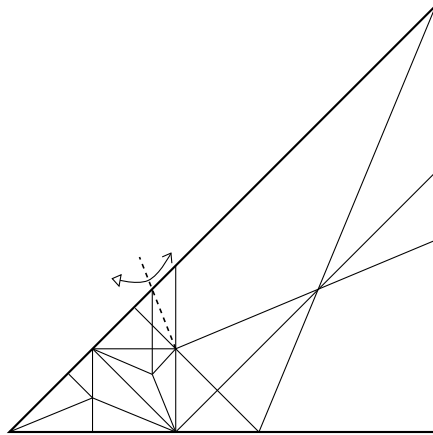
17. Unfold the corner back to step 15.



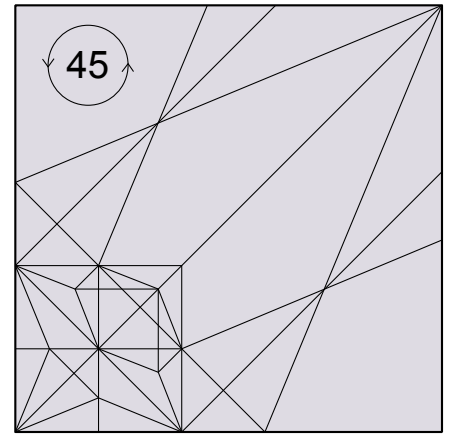
18. Precrease three angle bisectors through both layers on the triangle as shown. Unfold these creases.



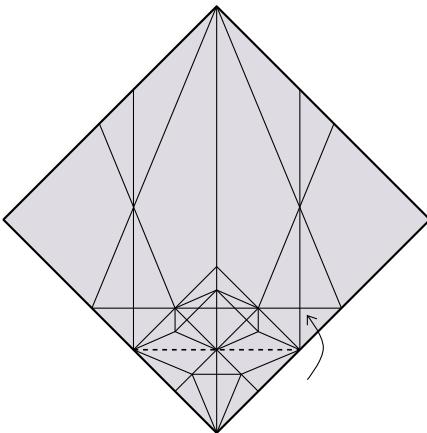
19. Precrease through both layers, starting at the center of the triangle from step 18, running parallel to the 2/3rds line. Unfold the crease.



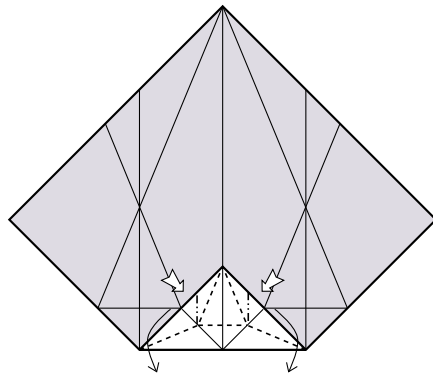
20. Precrease from the tip of the triangle to the end of the previous crease, as shown. Unfold the paper.



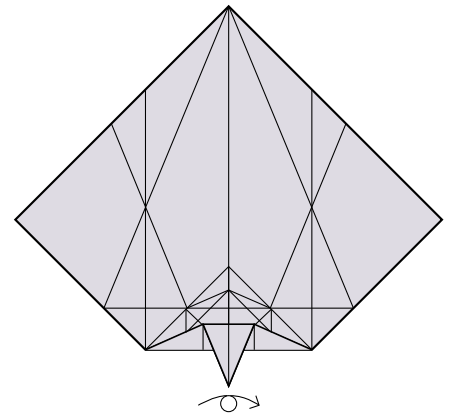
21. Precreasing for the base is finished. Rotate the paper slightly so the tail is downward.



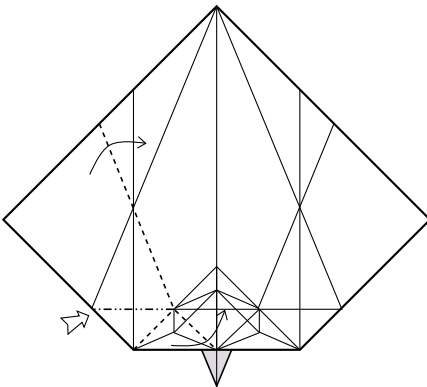
22. Fold up the lower corner on the existing crease.



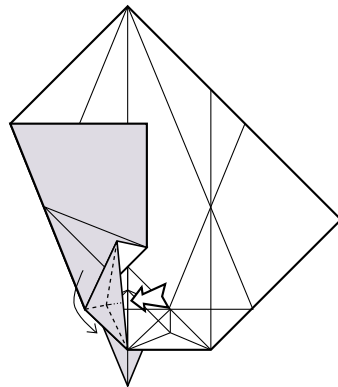
23. Petal fold the tail back down and flatten it.



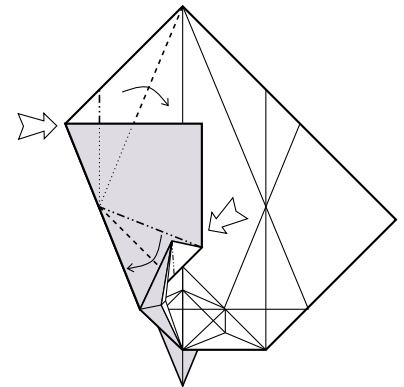
24. Completed petal fold. Turn the paper over.



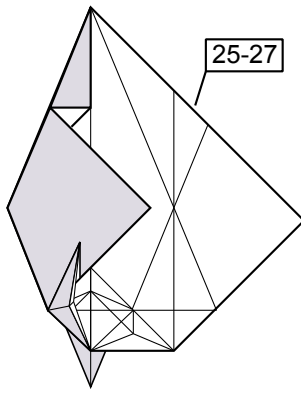
25. Fold the left side over the center using the creases as shown. The paper will not lie flat.



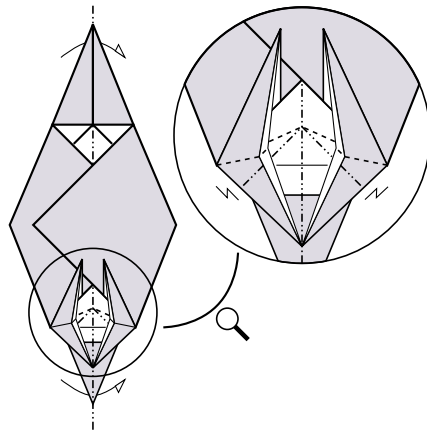
26. Fold a rabbit ear through all layers of the triangle as shown. Crease firmly and then let it fall back open. Paper is still not flat.



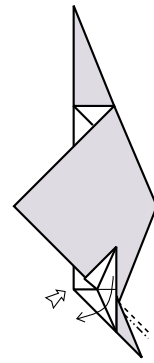
27. Fold two swivels at the same time, on the creases shown. The foot of the paper is still not flat.



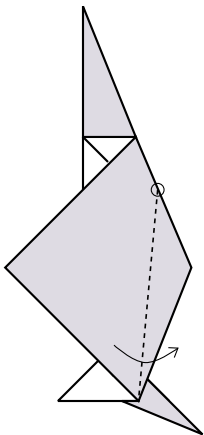
28. Repeat steps 25-27 on the other side. The two wings will be flat and overlapping, but the feet will still not lie flat.



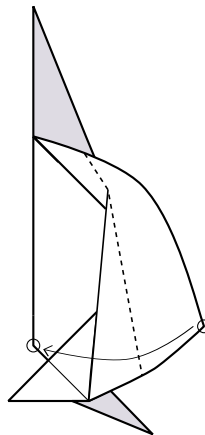
29. Mountain fold the model in half, unfurl the wings without creasing them. At the same time, crimp on the indicated creases to flatten the feet.



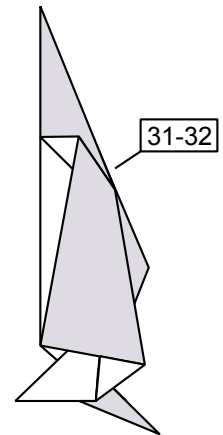
30. Reverse the tail with a sink near the belly on existing creases. The feet will rotate downward without creasing.



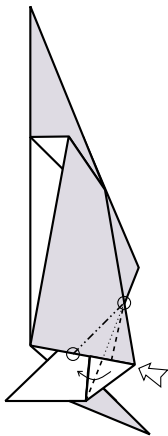
31. Mark a point about 1/3rd down the upper shoulder. Valley fold from that point to the corner of the heel. The top of the wing will not lie flat.



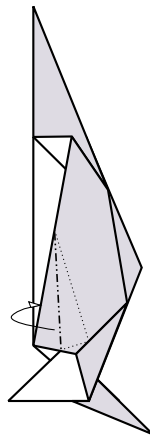
32. Bring the point of the wing to the point of the belly and use that reference to crease the shoulder and back flat.



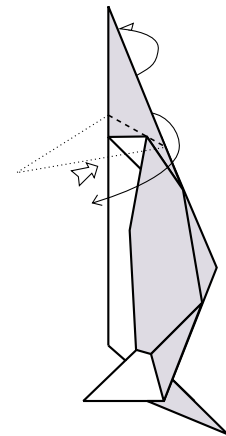
33. Repeat steps 31-32 on the far wing, using the same reference points.



34. Reverse the corner of the wing following the references shown. Repeat on the other wing.

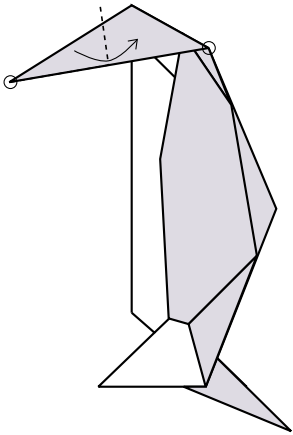


35. Fold the tip of the wing underneath, being careful not to trap the reverse from the previous step. Repeat on the other wing.

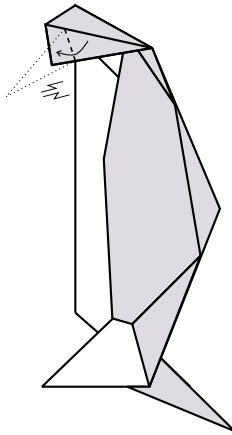


36. Precrease the head downward so the crease touches the top of the wing. Outside reverse the head on that crease.

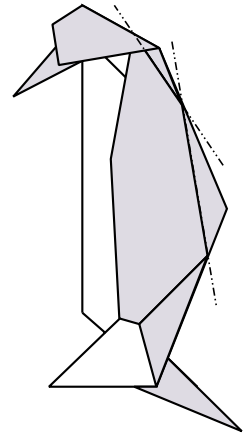
Penguin - cjbnc003 - Copyright 2011 Charles Brabec



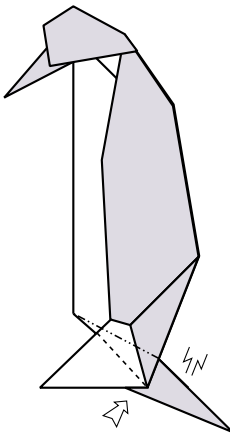
37. Crease the tip of the beak back to the back of the head.



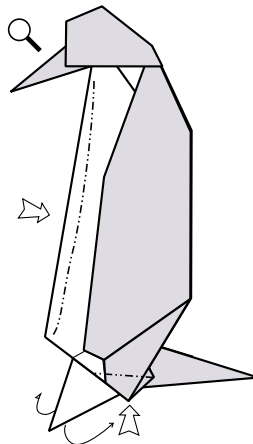
38. Crease the tip back to the front and slightly down. Unfold the two creases then crimp the beak inside on them.



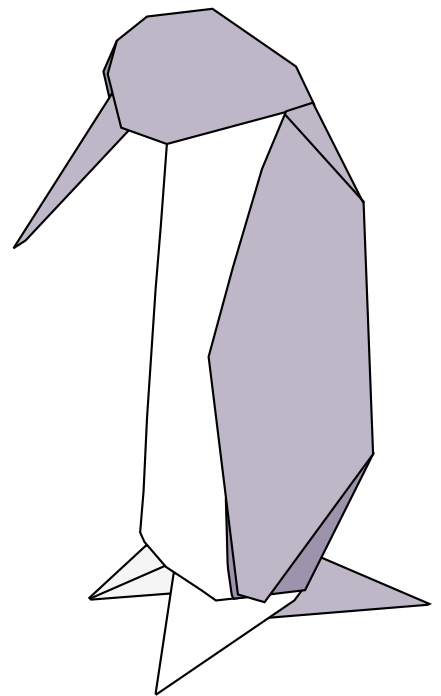
39. Fold the upper shoulder and middle back inside the model on both sides. You may inside-reverse the fold on one side of the shoulder and lock the other into it, closing the back.



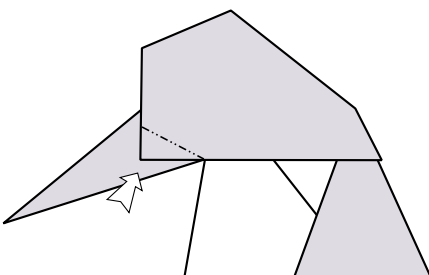
40. Pinch the feet and tail and crimp them upwards into the model.



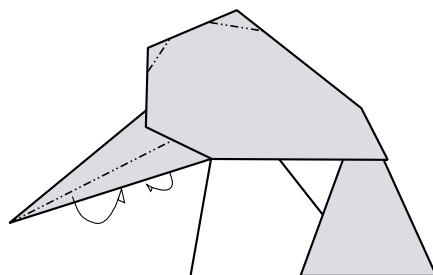
41. Reverse the lower back so it doesn't overlap the feet. Spread the feet so the penguin stands on his own. Round the belly and head.



44. Completed Penguin



42. Focus on the head and beak. Inside reverse the corner over the beak. Repeat on the other side.



43. Thin the beak by folding the lower edges inside on both sides. Finish rounding the body and sinking corners as you see fit.

Height Ratio

0.611

