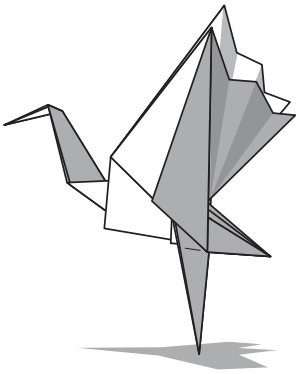
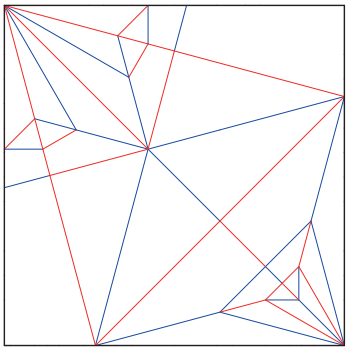
30° Standing Crane

Created and diagrammed by Naoki Terao

Paper:
- Kami 15 x 15 cm

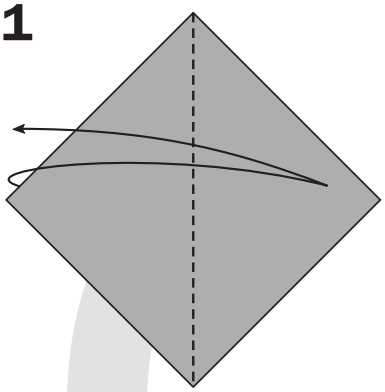




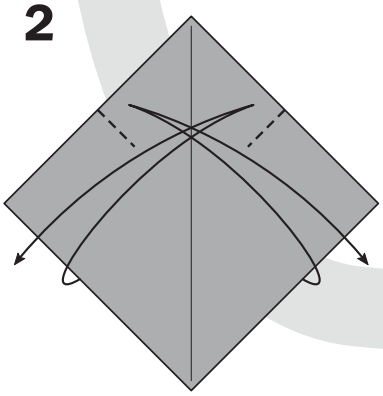
The grey side will be the color of the neck, tail, leg and underside of the wings

I created this model by accident. I was exploring diagonal hex pleating grids and stumbled upon this one. It has 3 big flaps of equal length that reminded me of a bird. So I tried creating one and it went smoothly. I was very pleased that the color changes are almost accurate for a common crane.

1

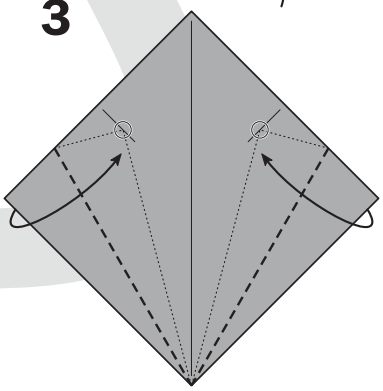


2



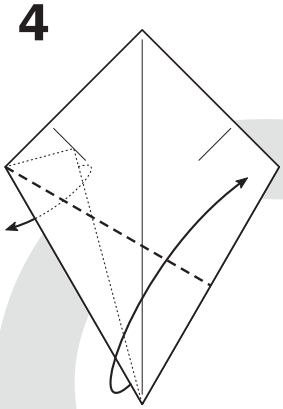
Make a pinch at the middle of the two upper sides

3



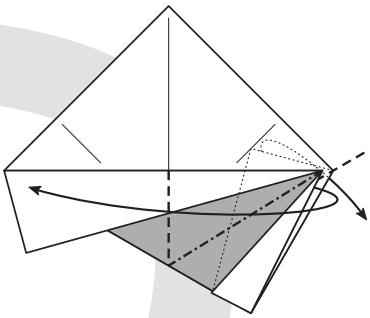
Bring the left and right corners to the pinches, passing through the bottom corner, and unfold

4



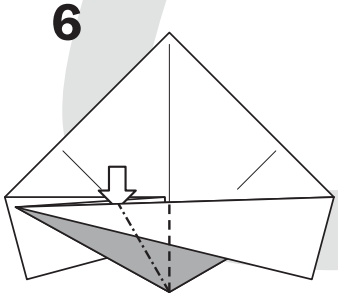
Let the flap at the back swivel free

5



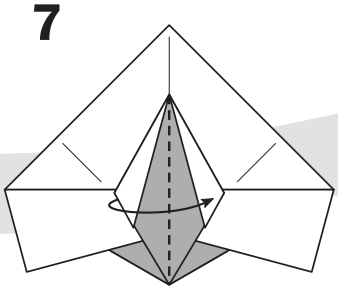
Let the flap at the back swivel free

6



Squash the middle flap

7



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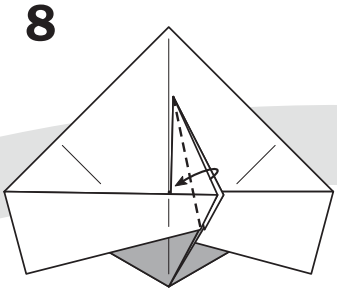
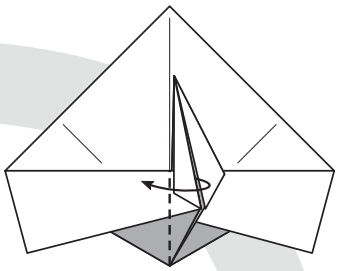
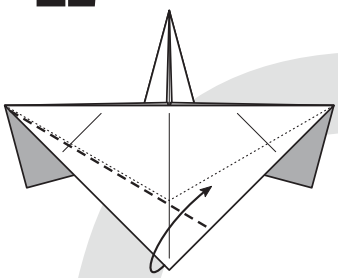


9

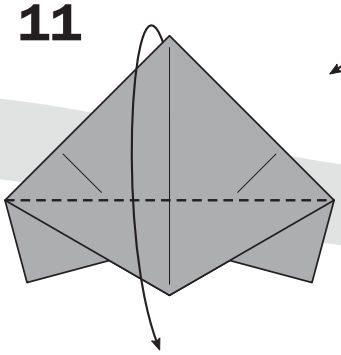


12

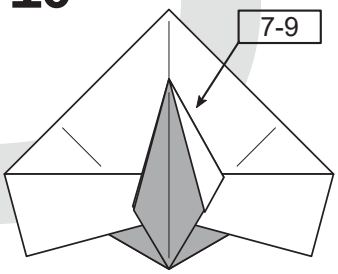


Fold the layer up to match the edge behind

11

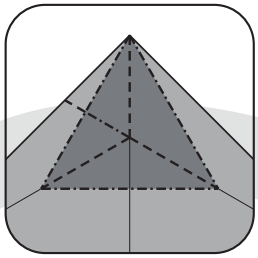


10

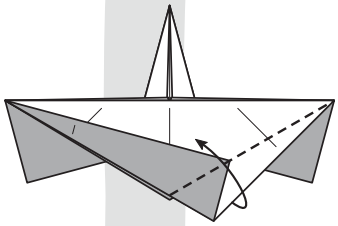


Repeat steps 7 to 9 on the other side

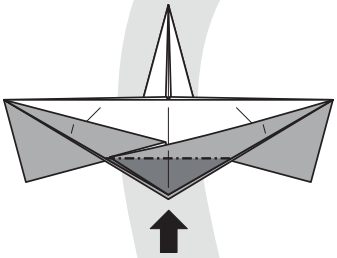
16b



13

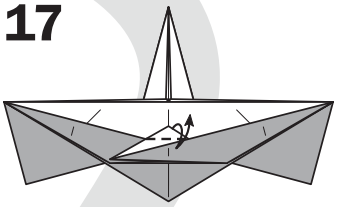


16a

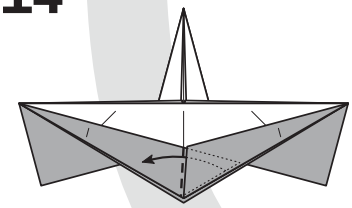


Open sink the dark area (see step 16b)

17

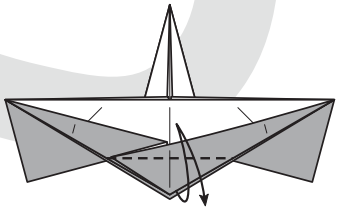


14

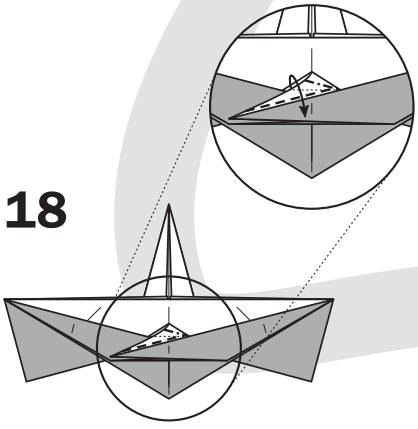


Pull out the trapped flap

15

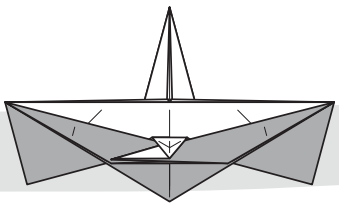


18



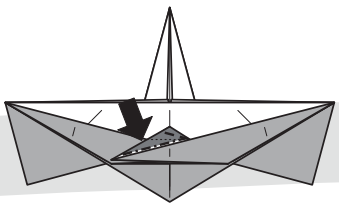
Squash fold

19



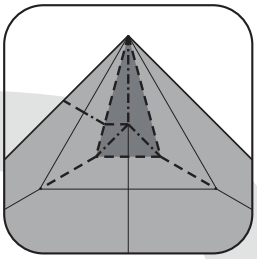
Unfold to step 17

20a

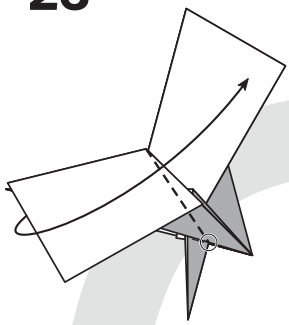


Open sink the dark area
(see step 20b)

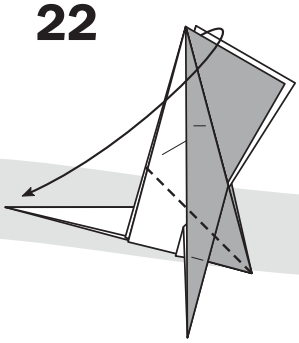
20b



23

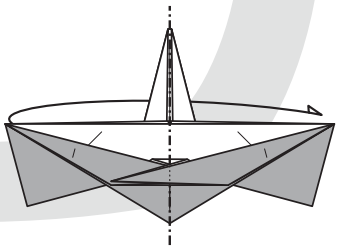


22

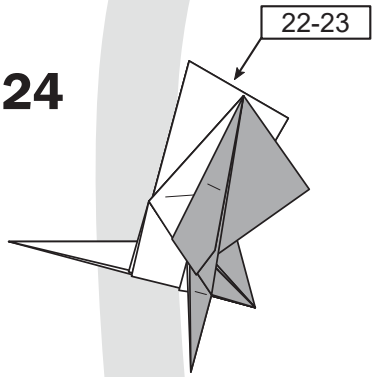


Fold one wing down with
an angle bisector

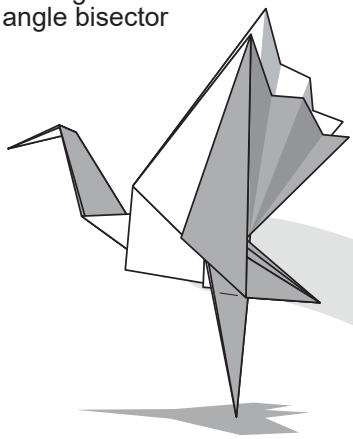
21



24

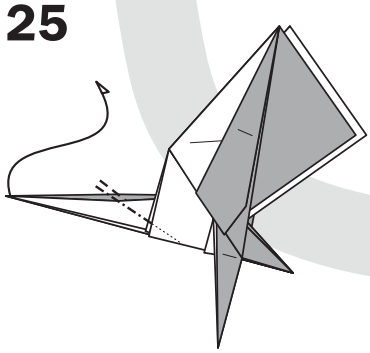


Repeat steps 22 and 23
on the other wing



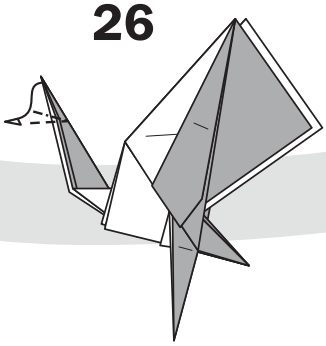
Finished 30° Standing
Crane

25



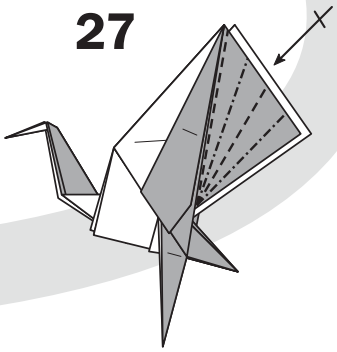
Inside reverse fold

26



Inside reverse fold

27



Pleat the wings to suggest
feathers