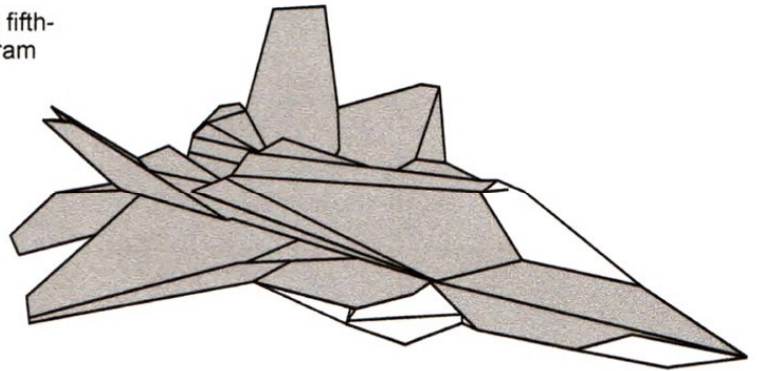
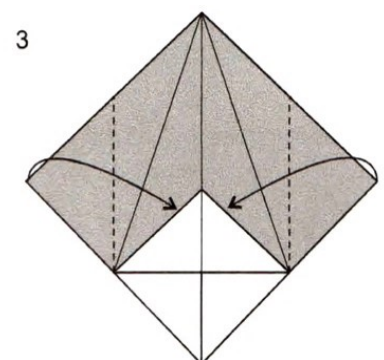
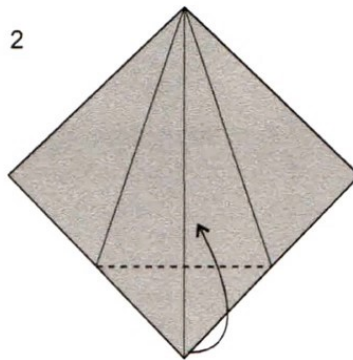
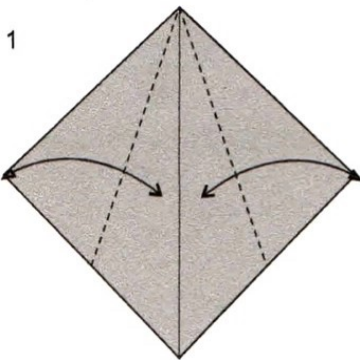


F-22 RAPTOR

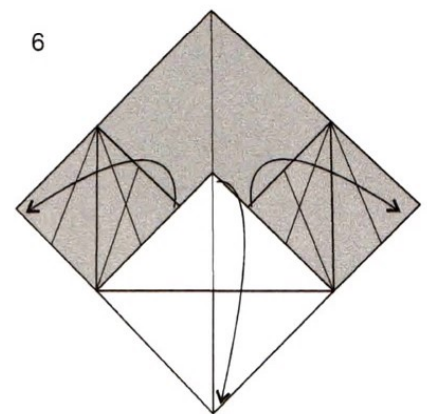
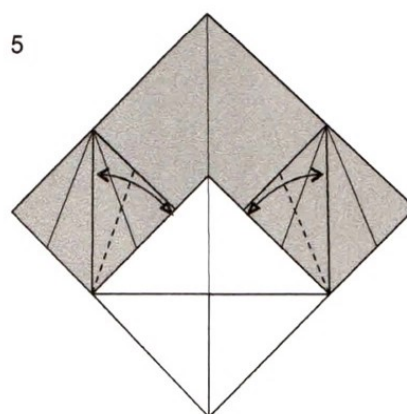
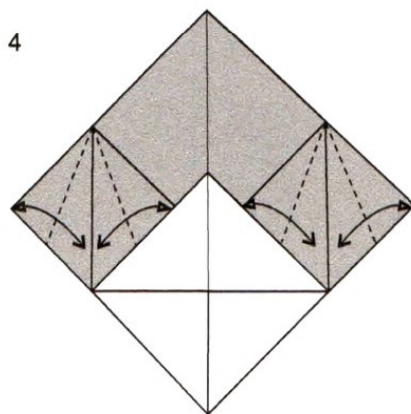
In 1981 the United States military began development of a fifth-generation fighter designed to replace the F-15. This program led to the F-22 Raptor as it is now known. This aircraft's primary mission is to engage air targets and achieve air dominance. Russia and China have started their own programs to counter the F-22. The F-22 has seen combat in Syria. The United States has forbidden sales of this aircraft to other countries including its allies due to the classified technology it incorporates.



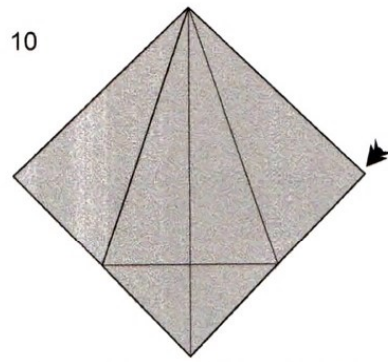
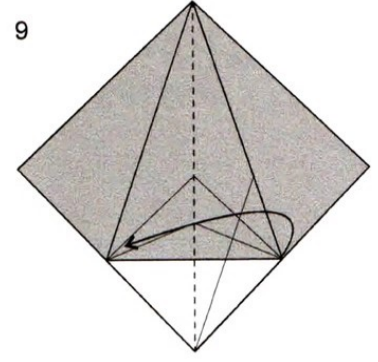
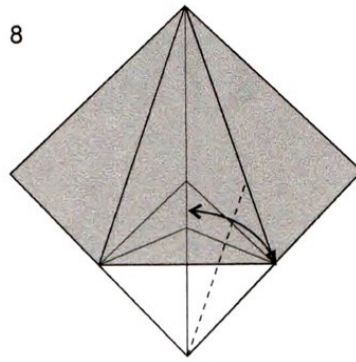
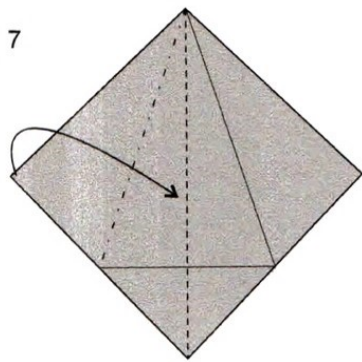
Use an 8½-inch square of any type paper.



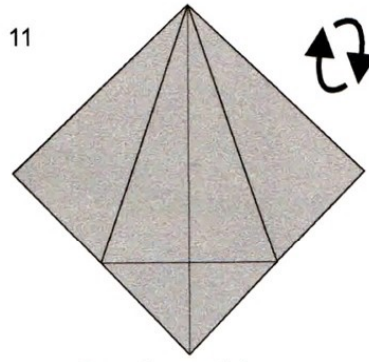
Begin with a preliminary fold.
Fold then unfold the sides in.



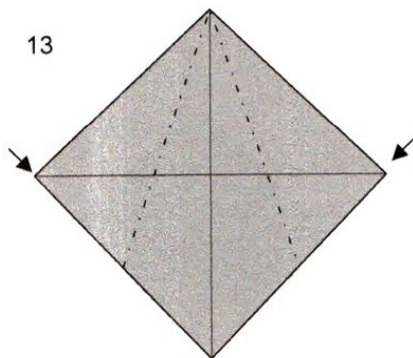
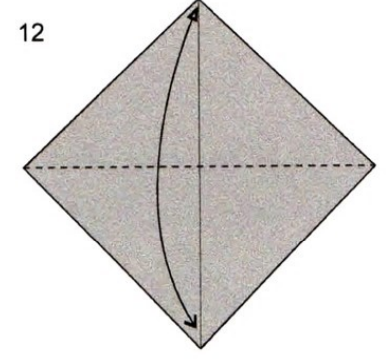
Return the model to step 2.



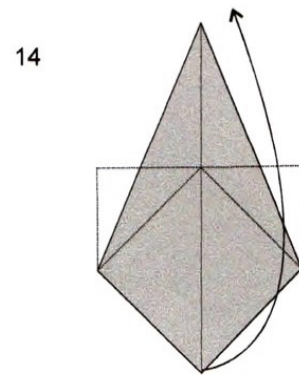
Repeat steps 7–9 on this side.



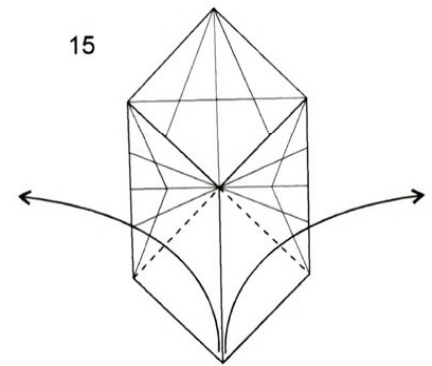
Turn the model over.



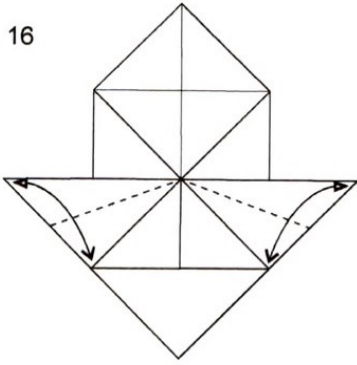
Squash fold the sides in.



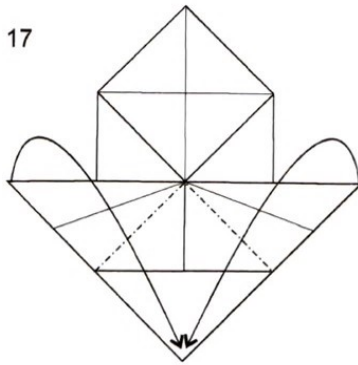
Using the pre-existing creases squash fold the flap up.



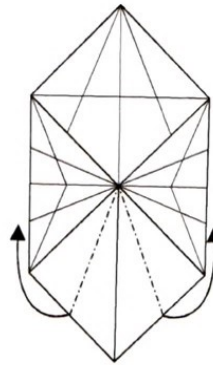
16



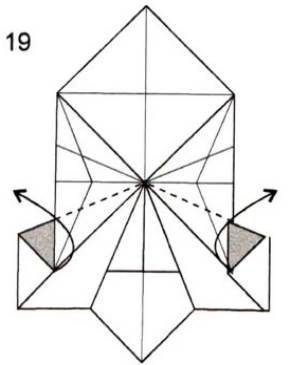
17



18

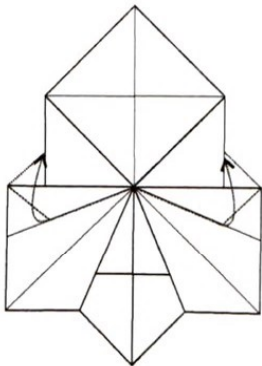


19



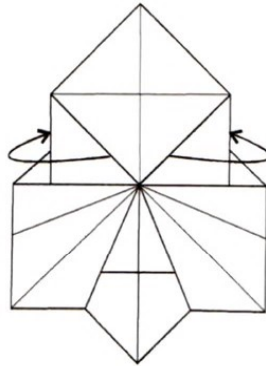
Using the creases made in step 16 swivel fold the paper up and inside.

20



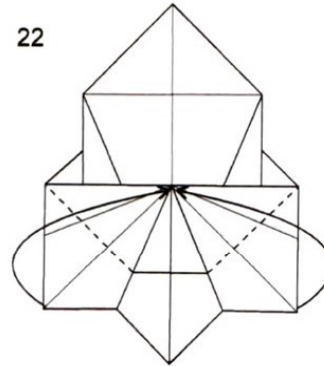
Mountain fold the flaps behind up as shown.

21

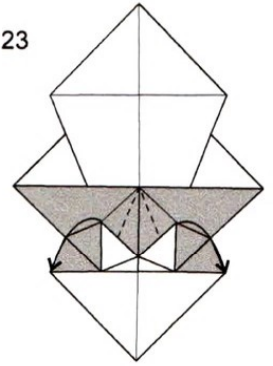


Perform a closed wrap with the paper shown.

22

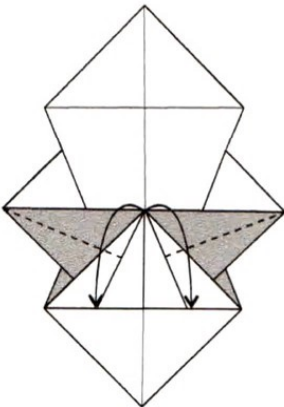


23

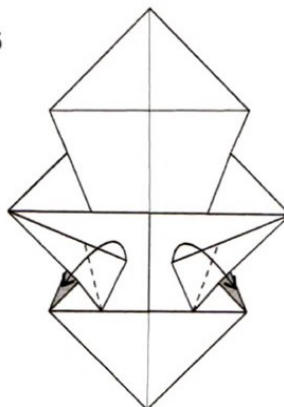


Squash fold the flaps down.

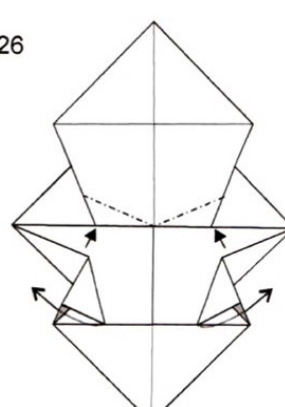
24



25

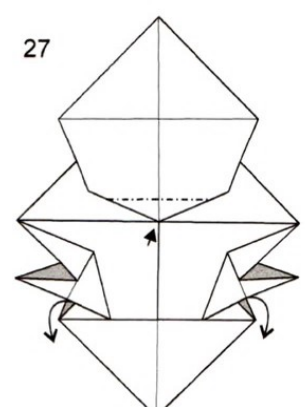


26

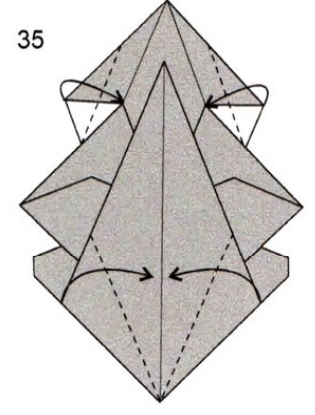
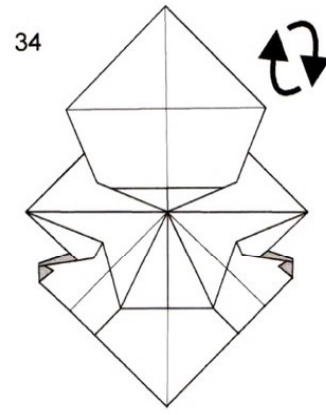
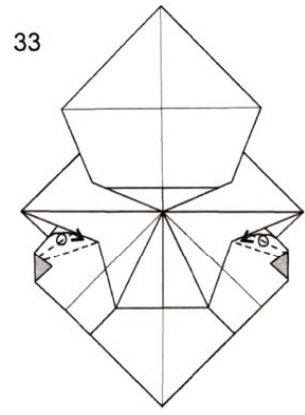
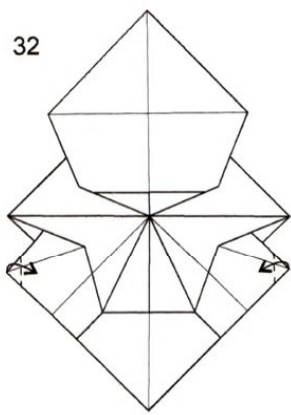
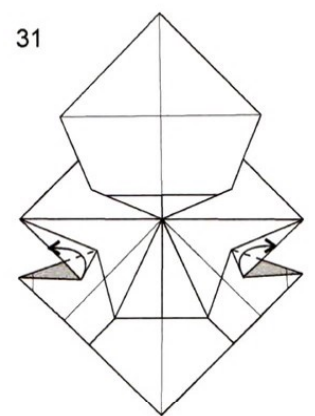
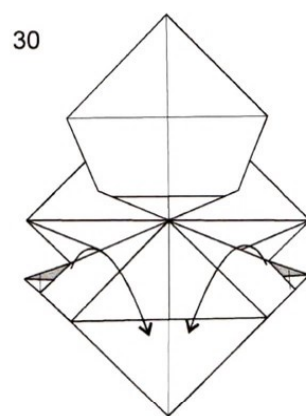
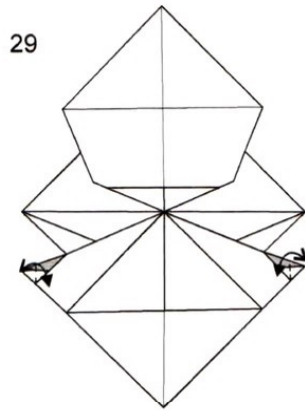
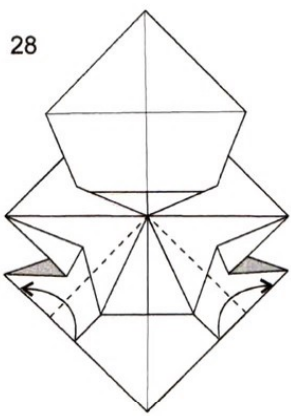


Swing the flaps out. Then sink the corners in.

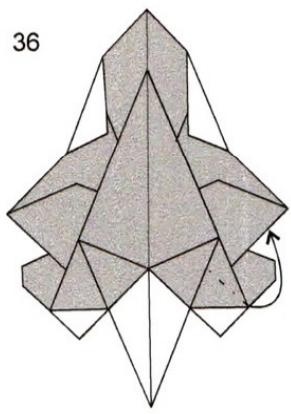
27



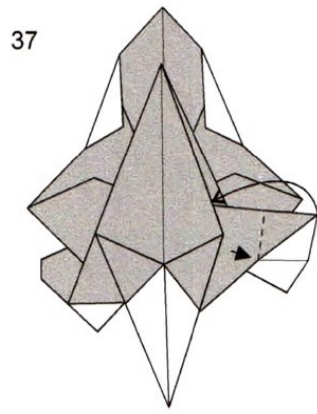
Pull the paper from underneath out as shown. Open sink the corner in.



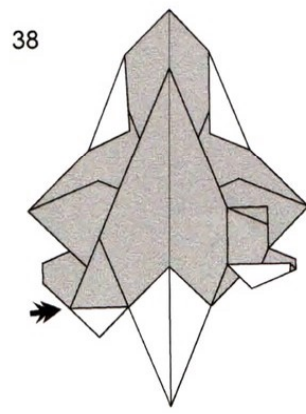
Turn the model over.



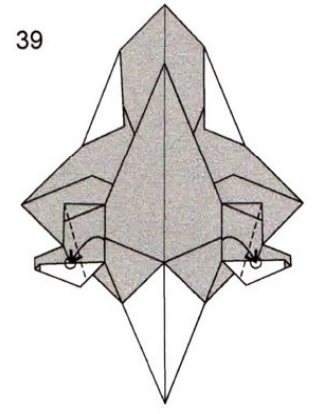
Swivel fold the flap up. The model will not lie flat.



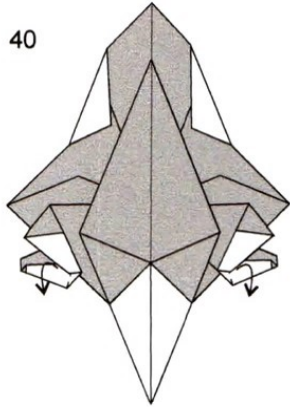
Push this area in, swing the flap over, and flatten it out as shown in step 38.



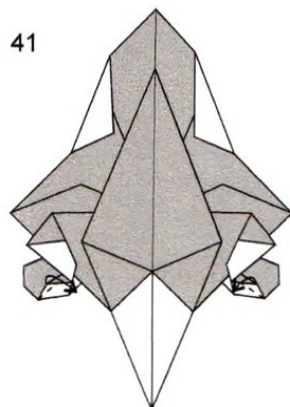
Repeat steps 36–38 to this flap.



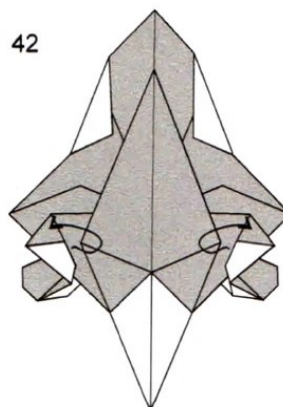
Fold the edges of the flaps to the intersections shown.



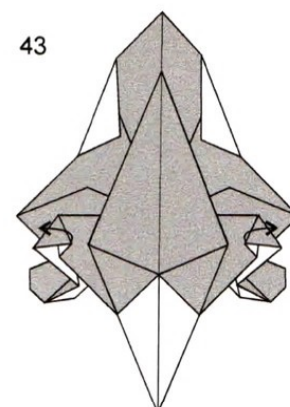
Swivel fold the flaps down as shown.



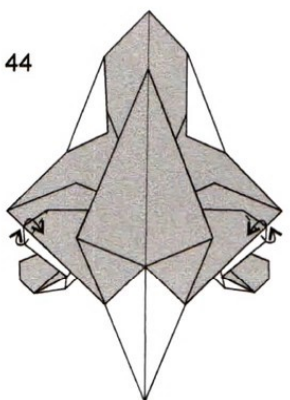
Swivel fold the edges down.



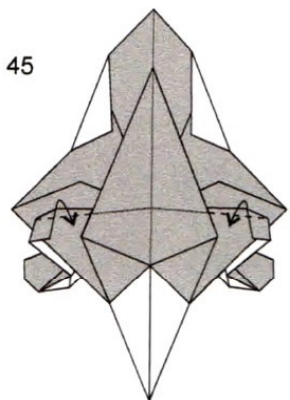
Move the layer of paper from underneath to the top.



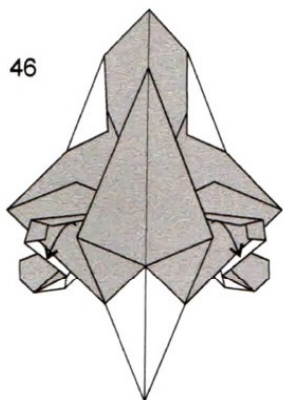
Swivel the small layers of paper over.



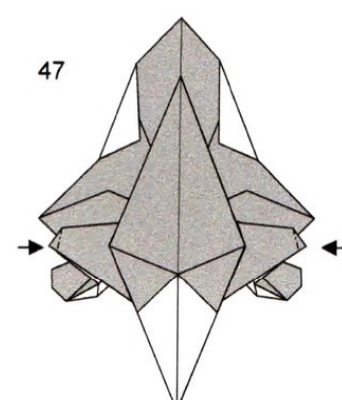
Fold the top layer down while simultaneously folding the back layer up.



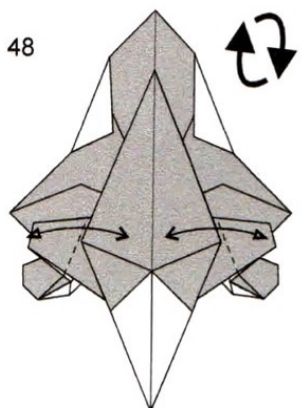
Fold the layer of paper down as shown.



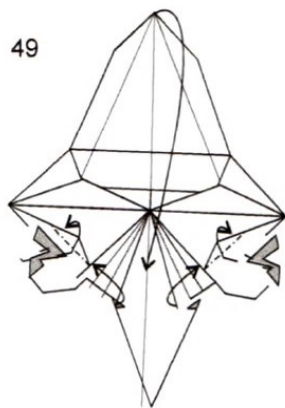
Using the crease you just made slide the paper down.



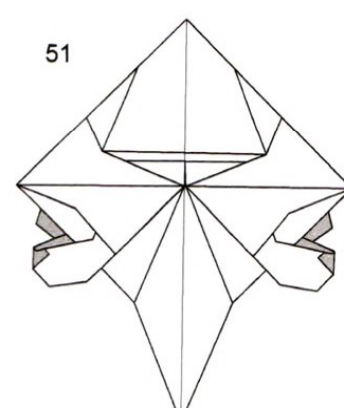
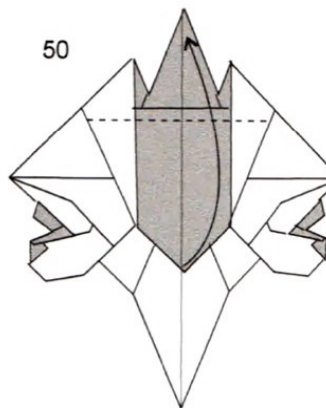
Inside reverse fold the tips in.



Fold then unfold as shown, then turn the model over.

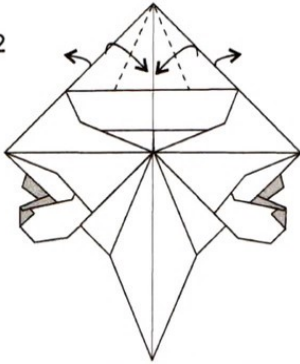


Petal fold the top flap down. Mountain fold the small triangles under. Swivel fold the bottom edges back along their original creases.



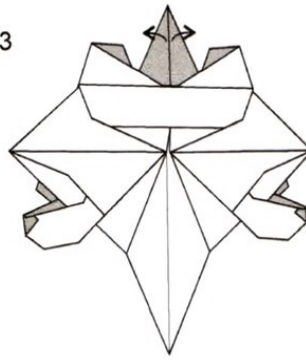
Reposition the top layer of paper into the pocket behind it.

52



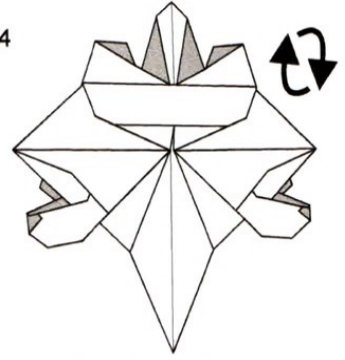
Swivel fold the side layers over then allow the layers behind to swing out as shown in step 53.

53



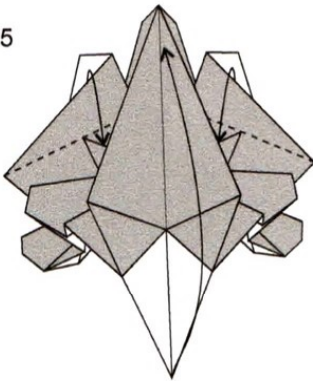
Slightly swivel the layers out. You will need this excess paper to lock the nose together.

54



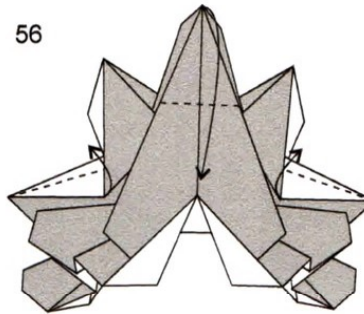
Turn the model over.

55



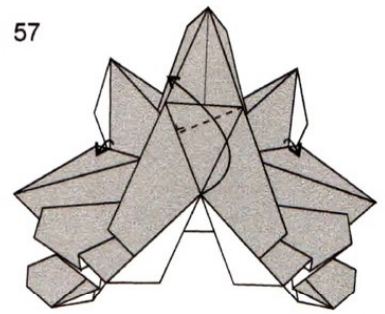
Swivel fold the two side edges in, then petal fold the bottom flap up. You will have to swivel fold the sides in at the bottom of the petal fold. Use the next step as a reference.

56



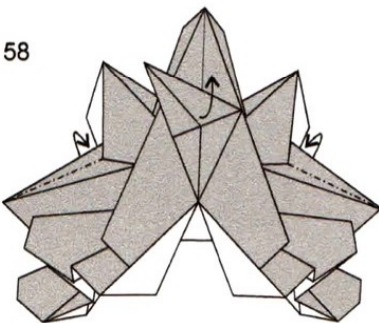
Fold the top flap down. Fold the edges $\frac{2}{3}$ of the angle up to cover the leading edges of the wings.

57



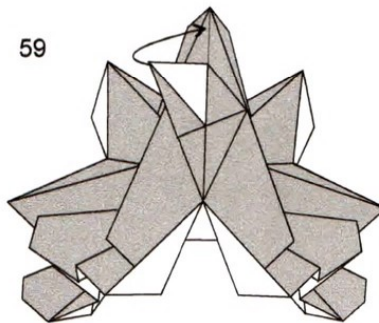
Fold the top flap up perpendicular to the side. Swivel fold some paper from the sides to the top as shown.

58



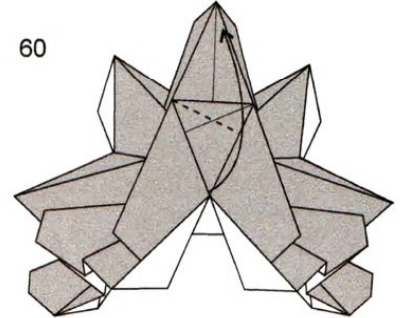
Pull some trapped paper from underneath out. Mountain fold the edges under.

59



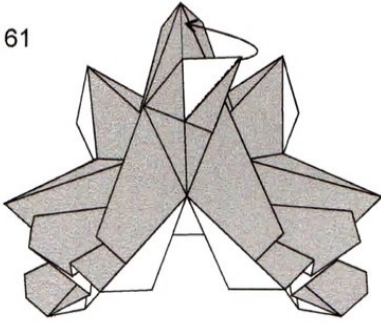
Unfold to step 57.

60



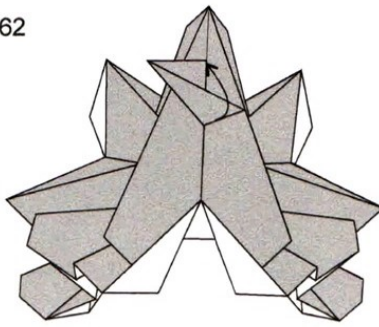
Repeat steps 57-59 to this side.

61

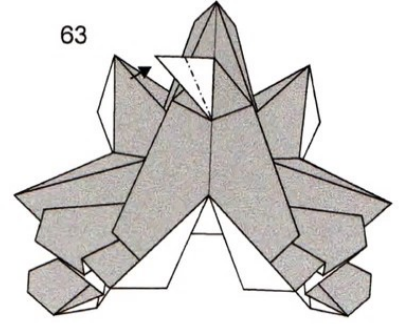


Swivel fold the flap over.

62

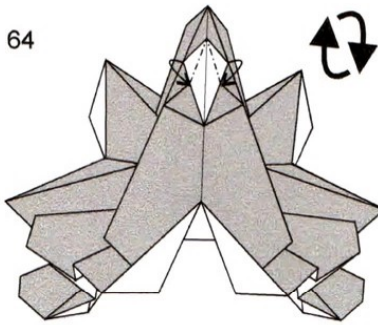


63



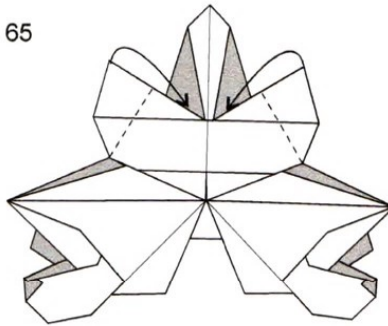
Squash fold the flap down.

64

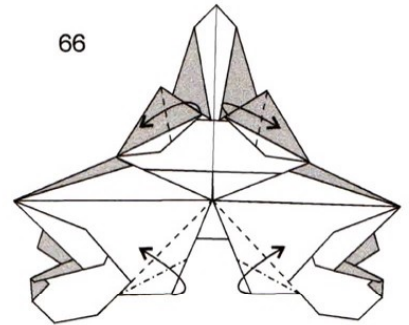


Mountain fold the sides in, then turn the model over.

65

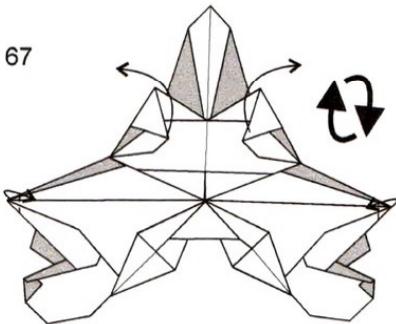


66



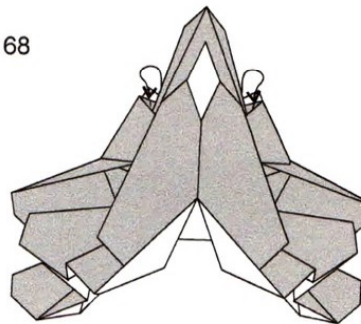
Squash fold the bottom flaps. Fold the top flaps over as shown.

67



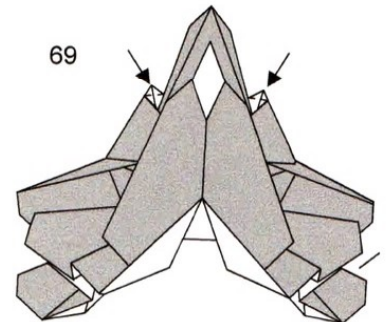
Unfold to step 65 then closed sink the areas shown. Inside reverse fold the tips in. Turn the model over.

68



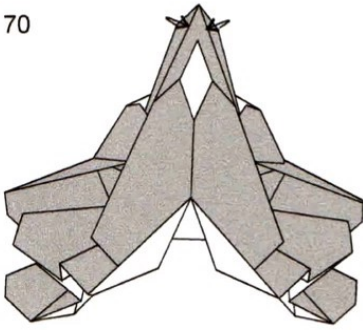
Using the creases made in step 66, fold the flaps in.

69



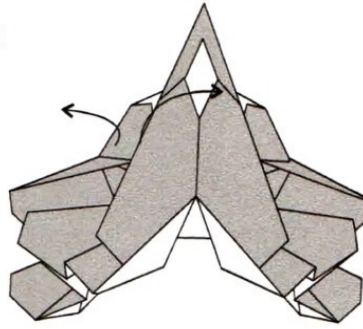
Inside reverse fold the small edges in.

70



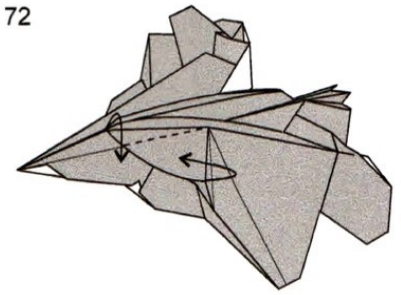
Valley fold the small excess edges in.

71



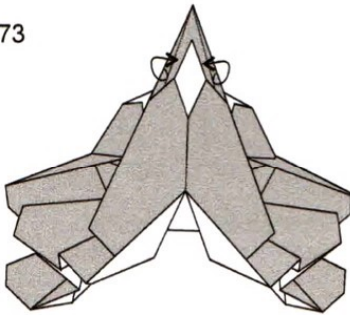
Open the side of the model.

72



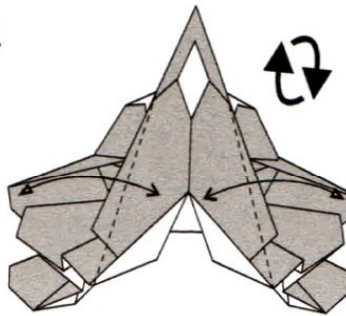
Carefully slide the excess paper on the wing forward then close the model as shown.

73



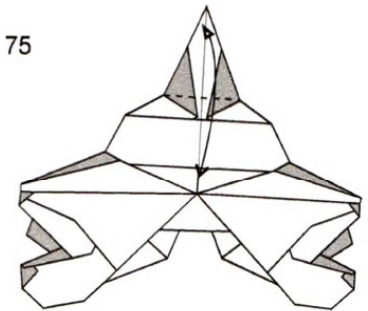
Roll the flap you just created in thirds over on the inside of the model.

74



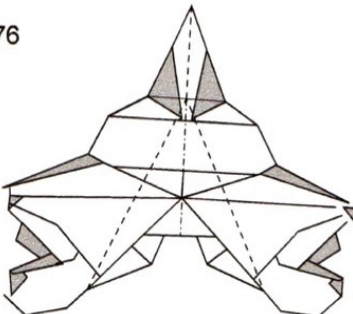
Fold then unfold the wings in, then turn the model over.

75



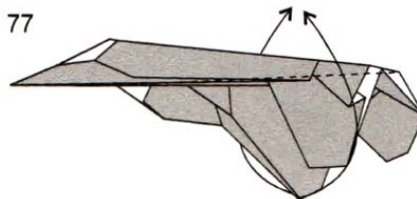
Fold then unfold the flap as shown.

76



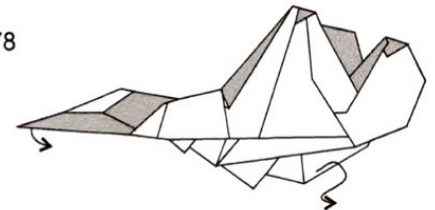
Jet fold the model as shown.

77



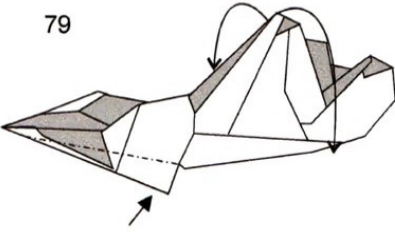
Fold the wings up.

78



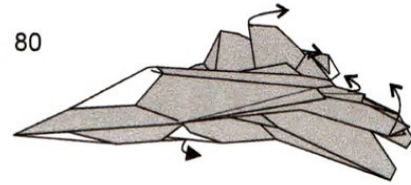
Pull the layers in the nose out. Place one of the rear edges into the pocket behind, then fold them together to lock the model.

79



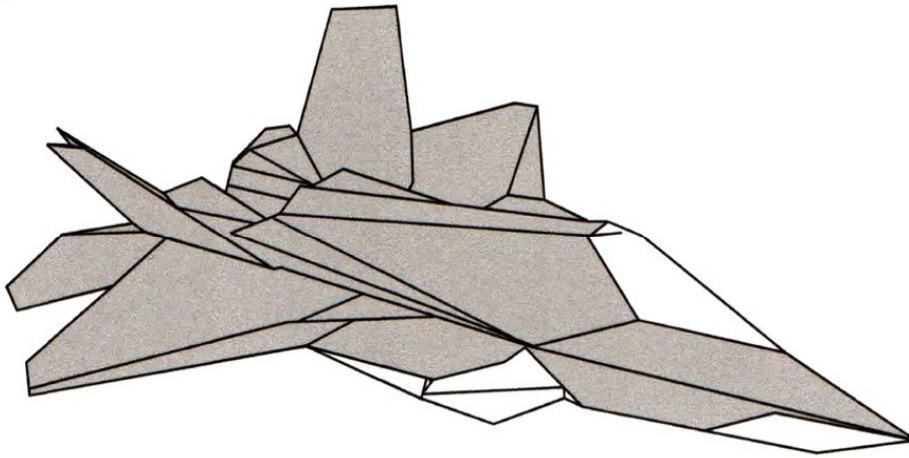
Inside reverse fold the bottom area in as shown, then fold the wings down.

80



Fold the tailfins up. Open the air intakes and shape the engines.

81



Give this plane a hard throw. It can fly up to 115 feet with good maneuverability.