

Origami



Monkey Madness



5 -10 minutes



Instructions

Split your class into different groups. Each group can work together and try making different origami designs.

Each table will have a different design on it, set a 2 minute timer, so the different groups move around the room. Encourage pupils to stand as much as possible.

Health & Safety

- Ensure floors are clear of trip hazards
- Ensure pupils leave stationary on the table
- Remind pupils of their own spatial awareness
- Give clear instructions



Teacher Tips

This activity is suited to all ages. See our activity sheet for more information .

Foundation: we have suggested some easier shapes, but some pupils may need additional help.

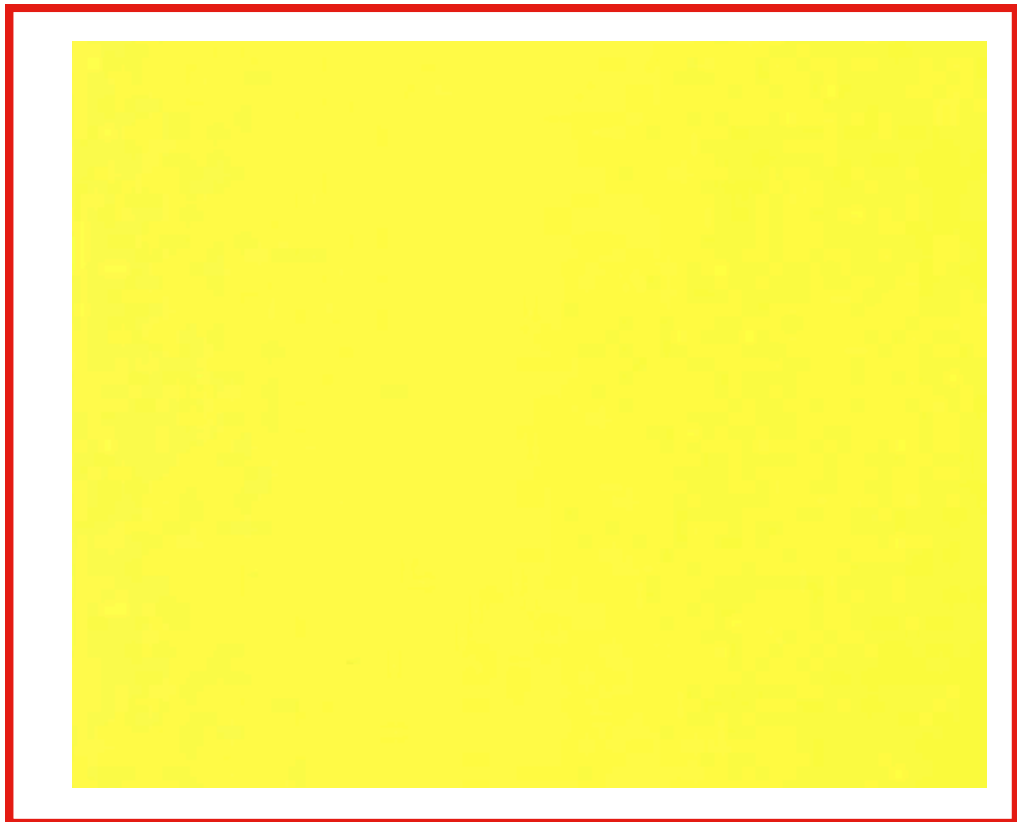
KS1 & KS2: we have suggested some easy, medium and difficult designs to challenge your pupils.



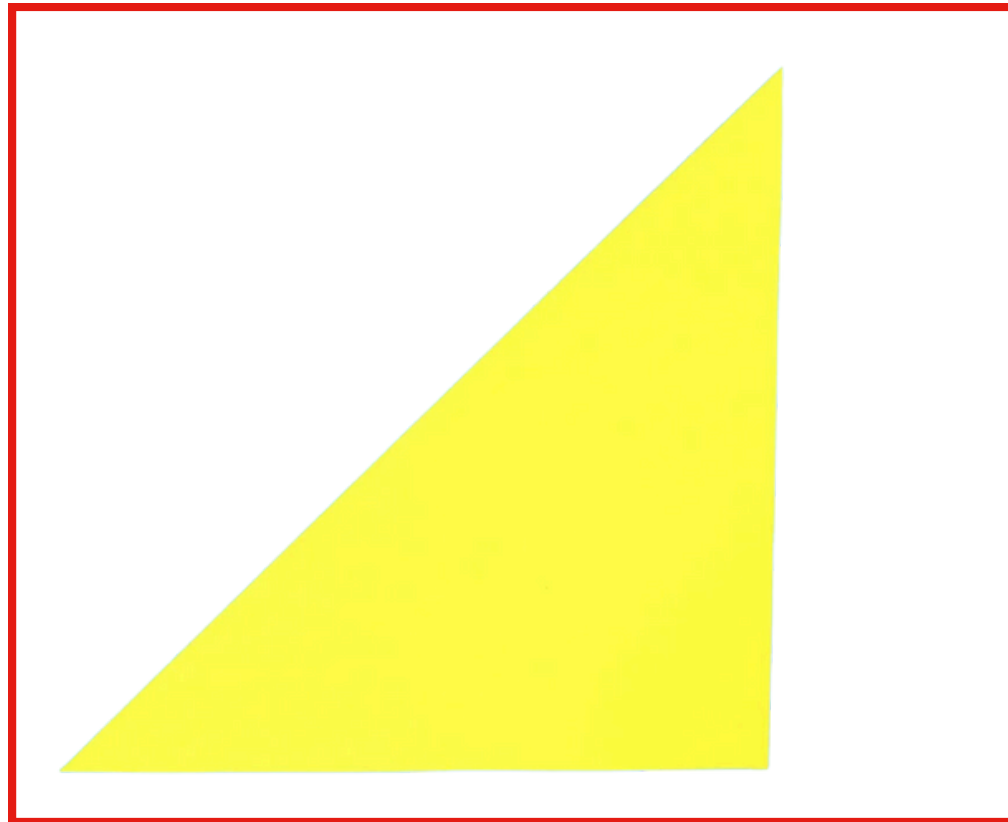
Origami

Split your class into different groups and challenge them to follow along with the different origami paper designs. Some links will also be included.

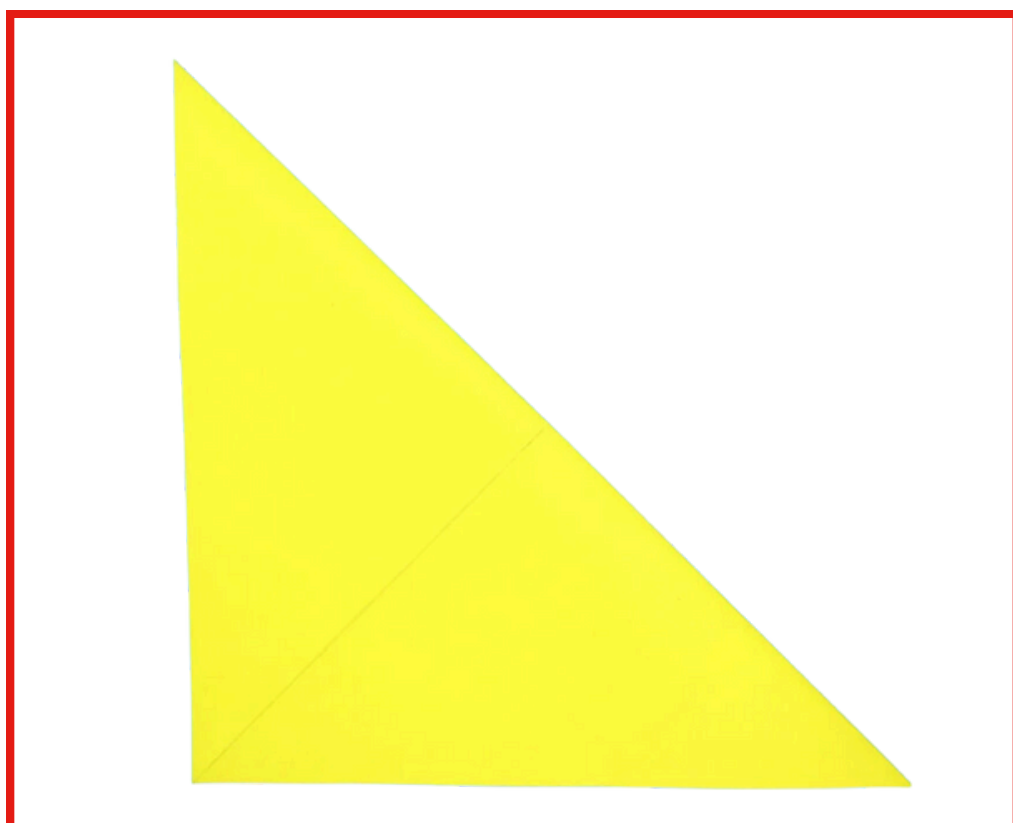
Foundation Example 1: Fish



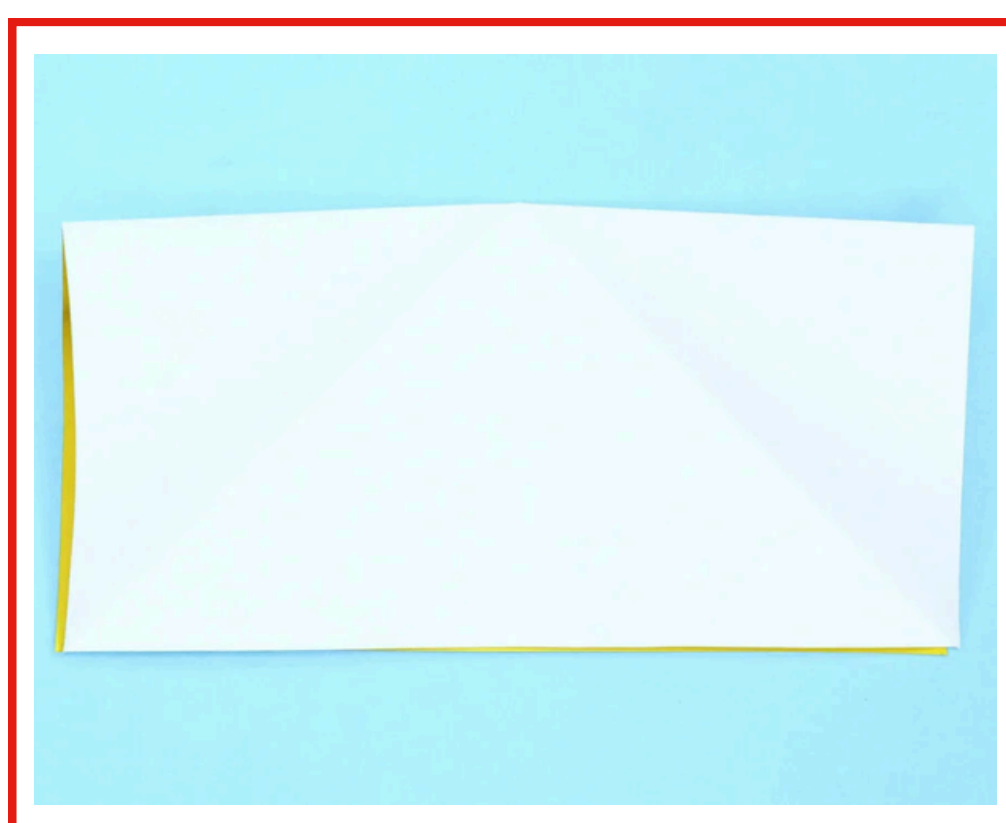
1. Start with a square piece of origami paper



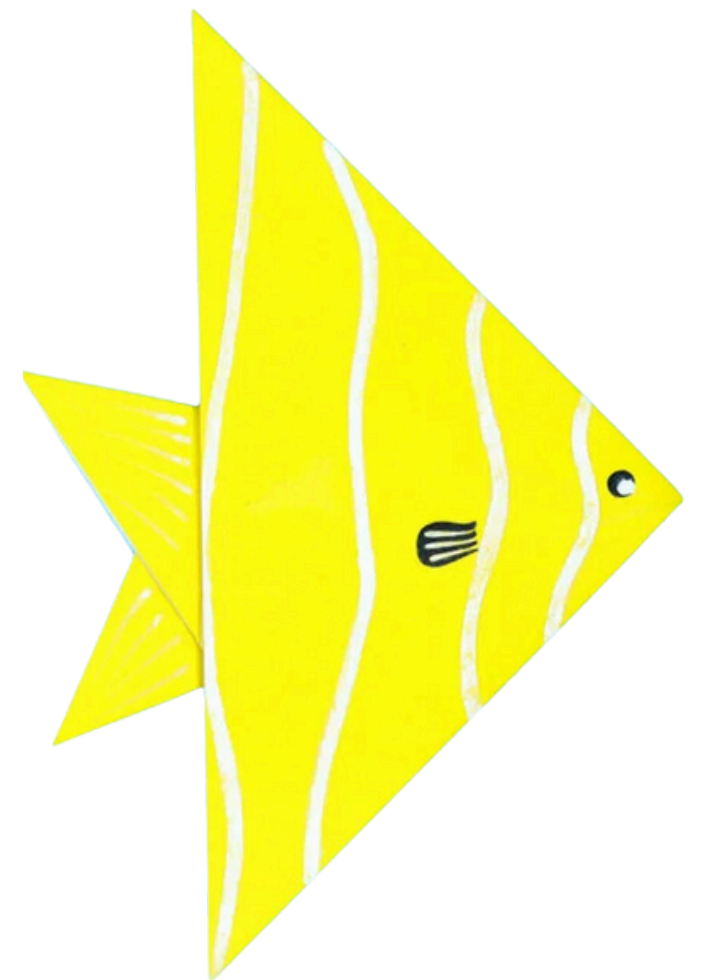
2. Face the lighter side up if using 2 sided colour paper then fold the upper left corner to the lower right corner.



3. When you unfold it you should see a diagonal crease. Now fold the upper right corner to the lower left corner.

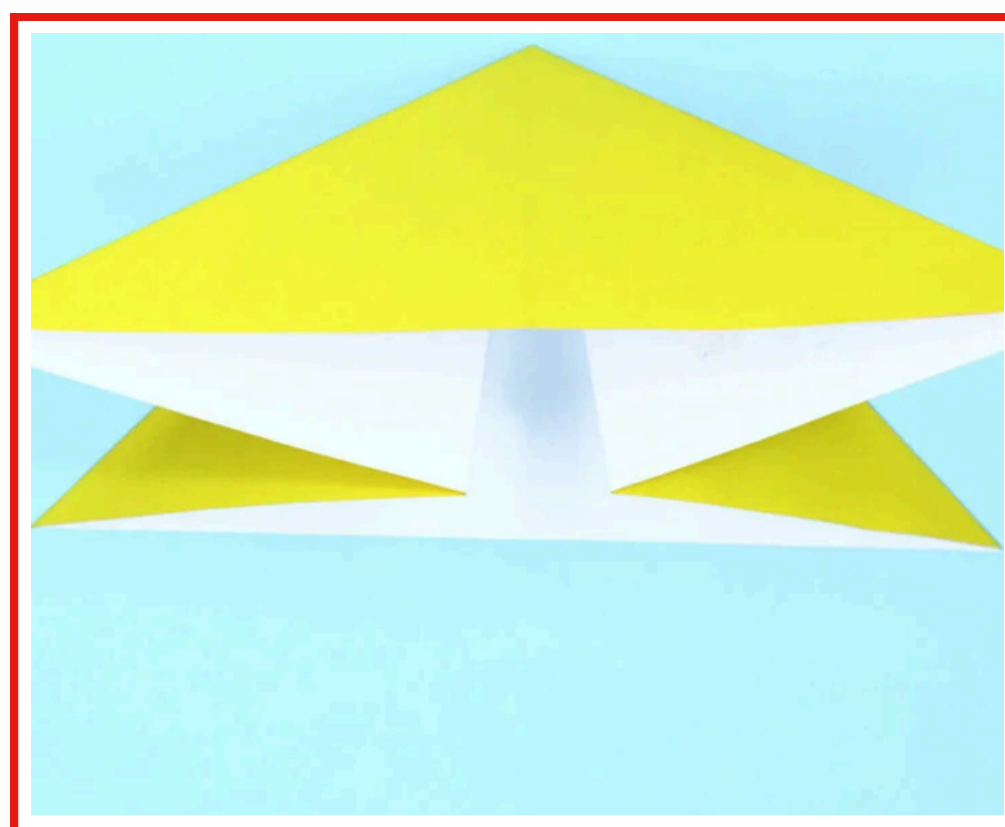


4. Unfold the paper. Then fold the top half back.

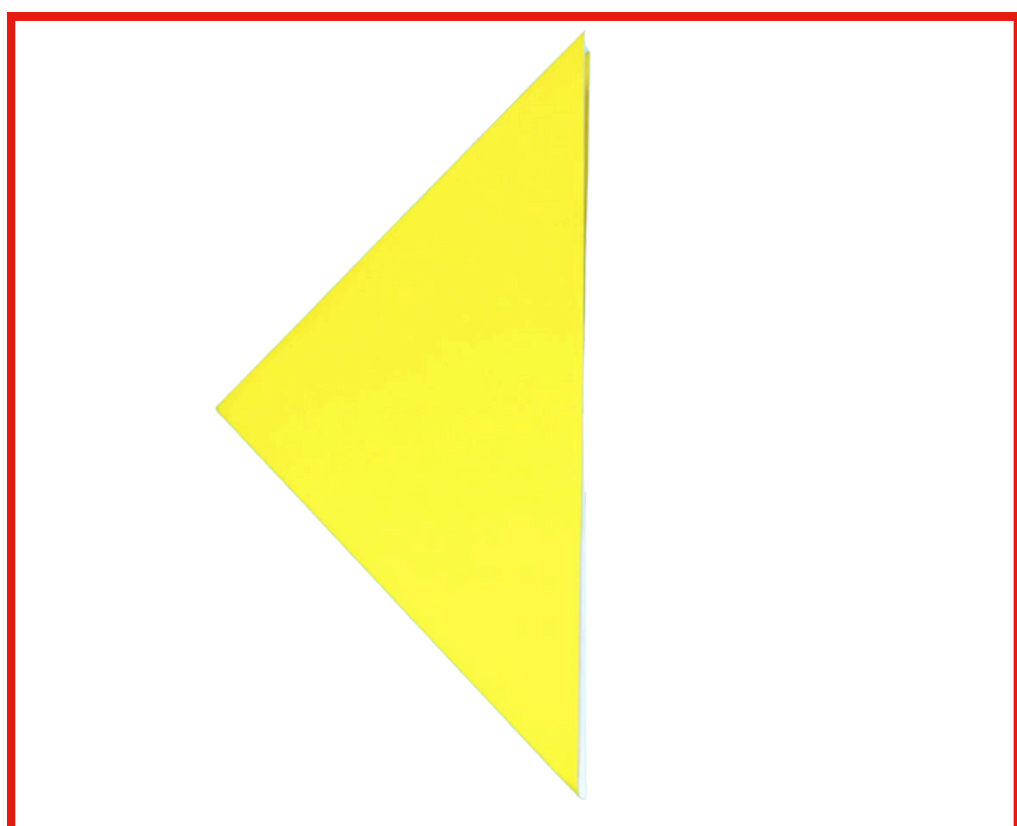




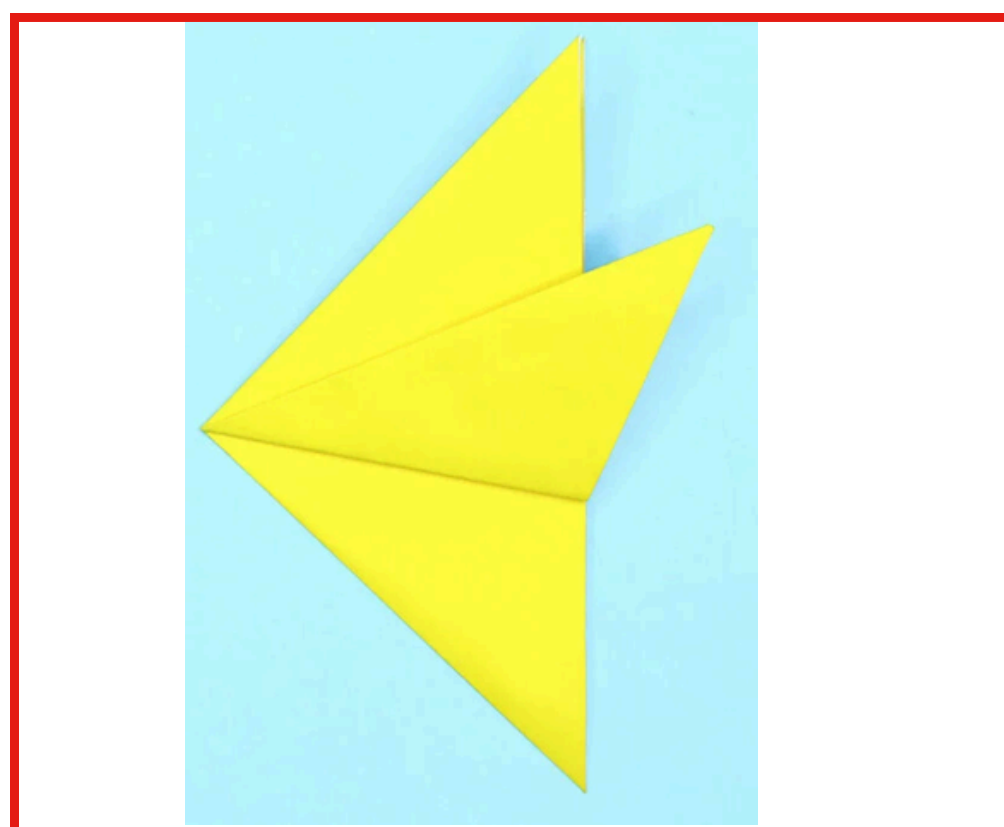
5. Unfold. Poke the centre with your fingers so that the centre pops in.



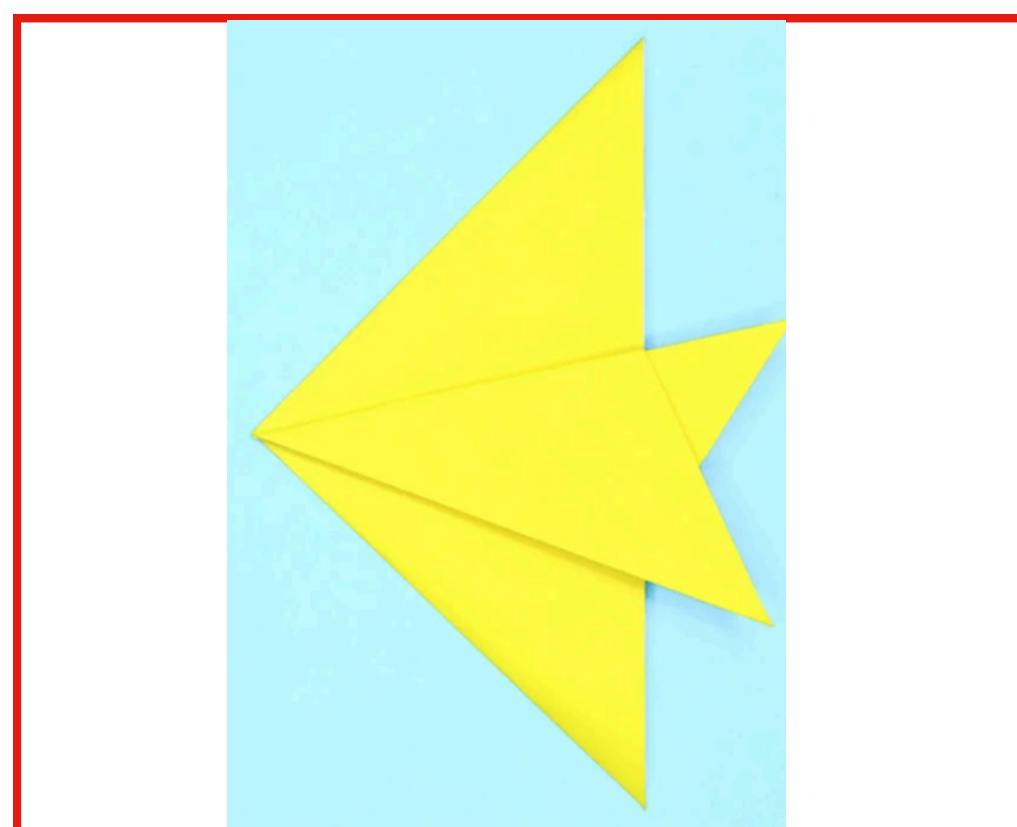
6. Bring the left and right sides together so that the paper collapses into a triangle



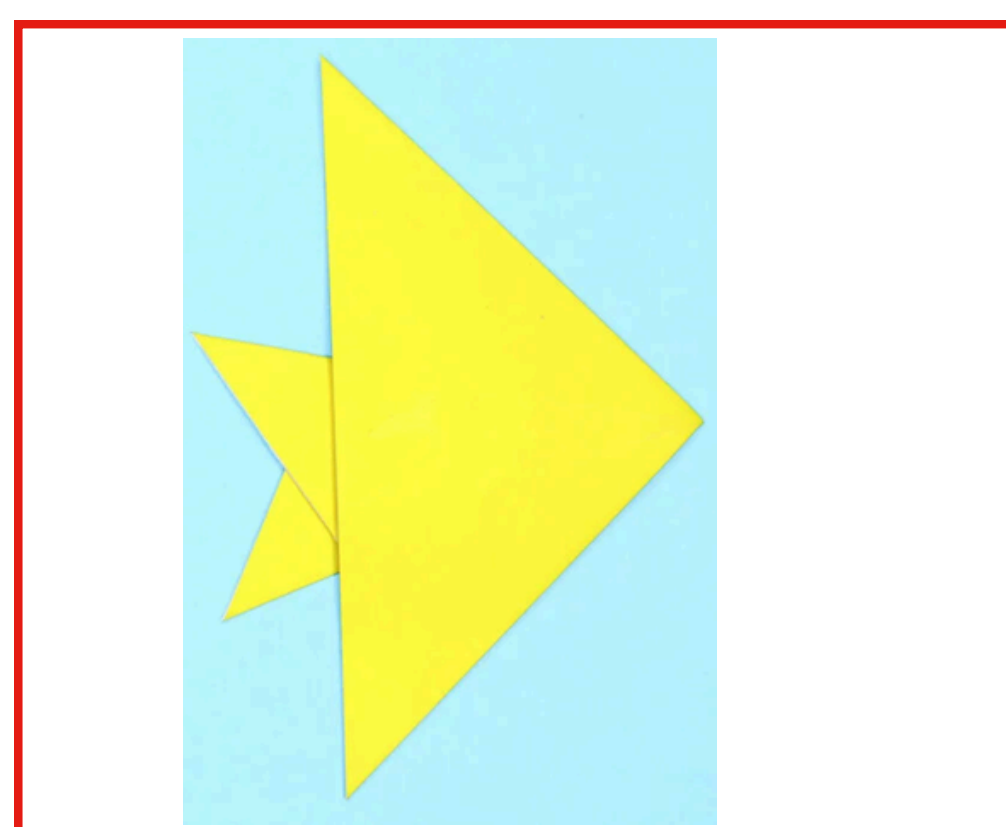
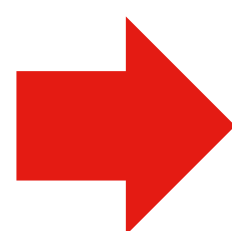
7. Press firmly to flatten the triangle and turn 90 degrees.



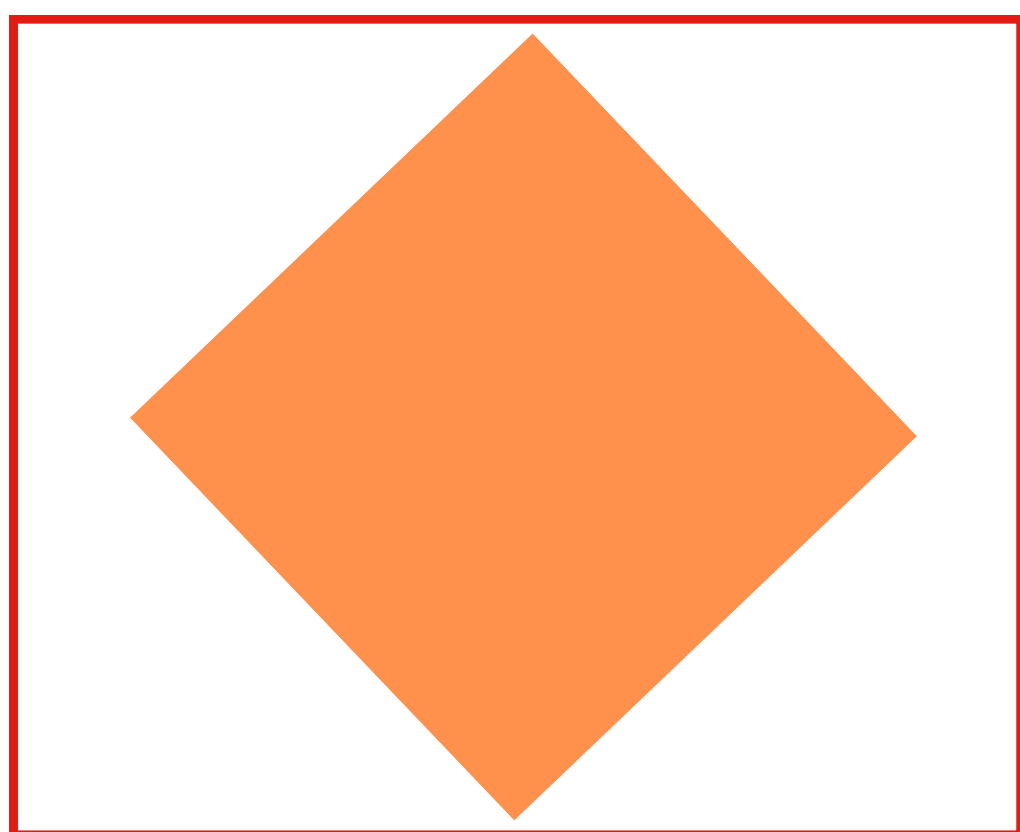
8. Fold the bottom corner up a little above the centre.



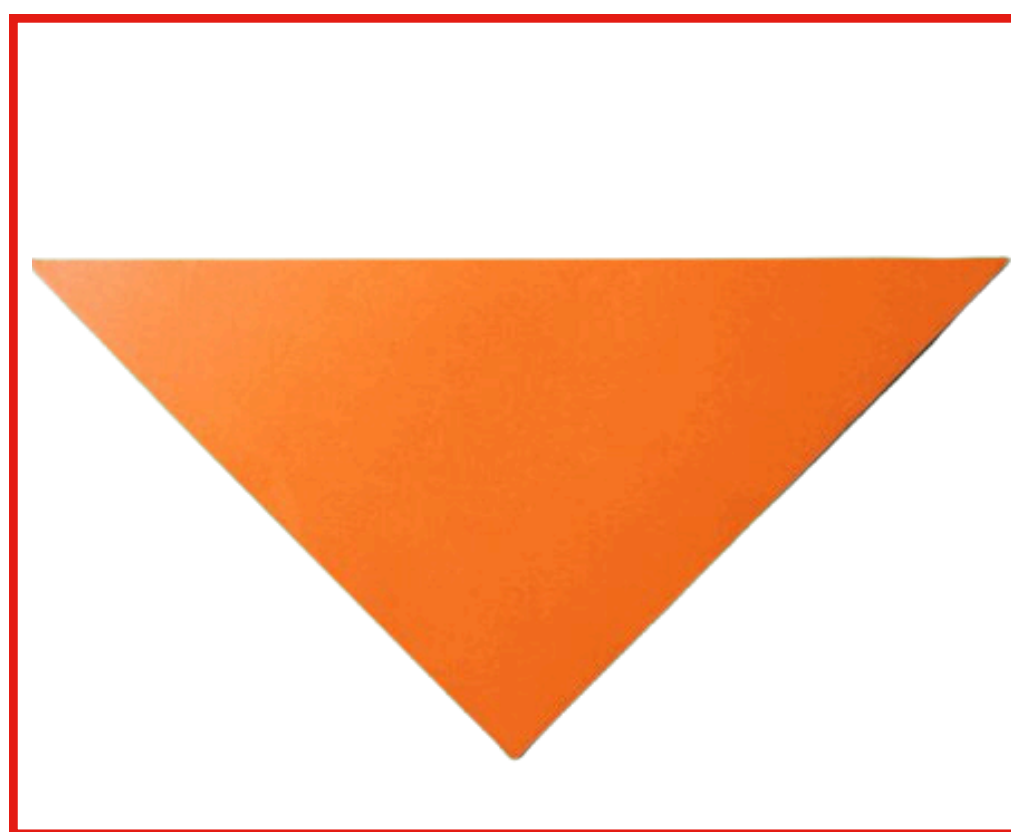
9. Fold the top flap over the bottom and turn it over. Now you can colour it in.



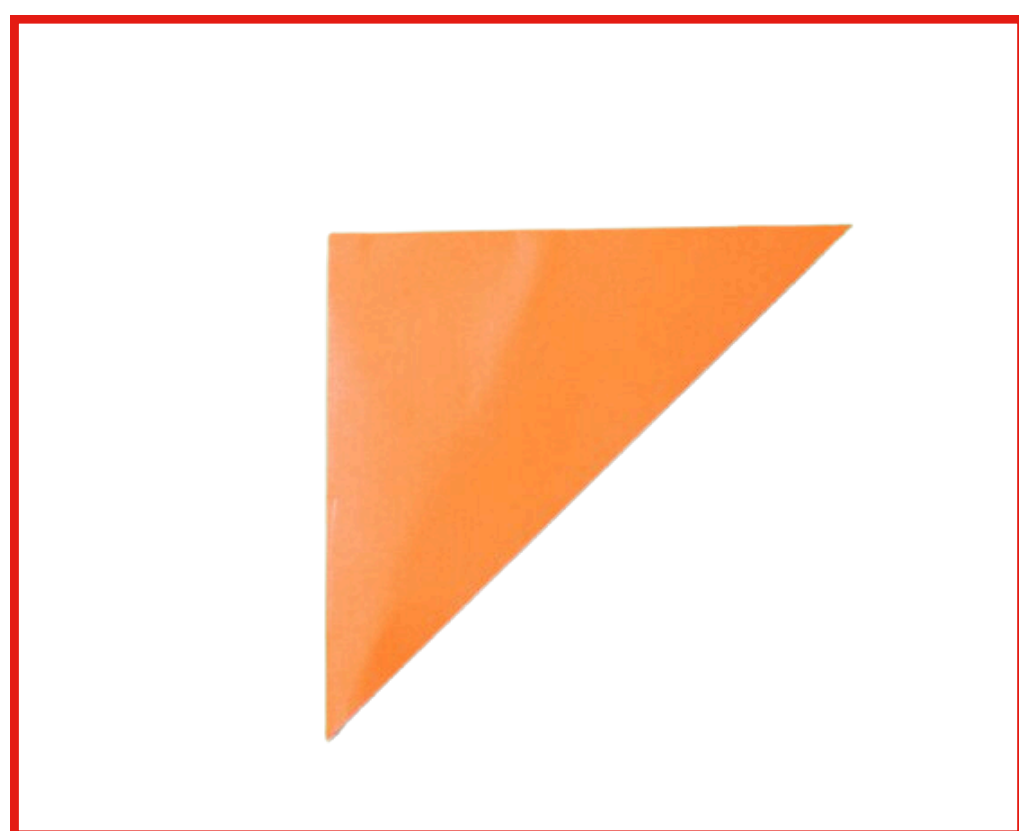
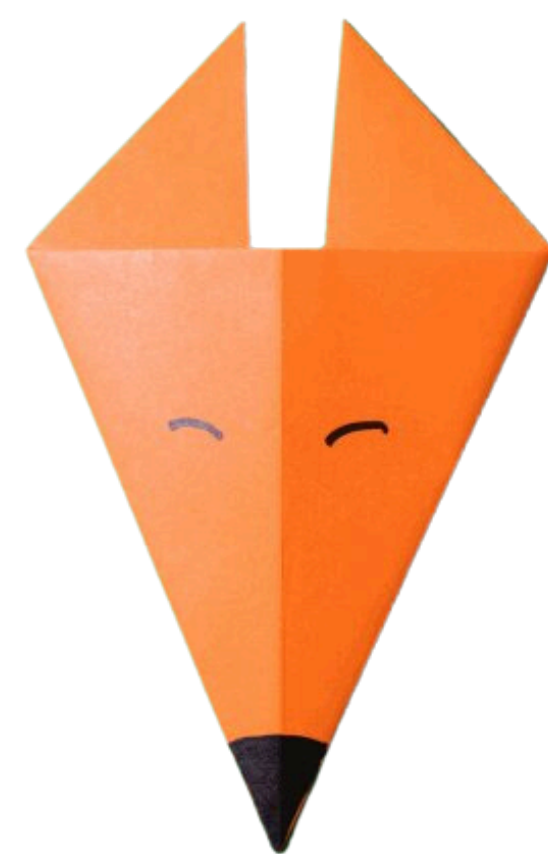
Foundation Example 2: Fox



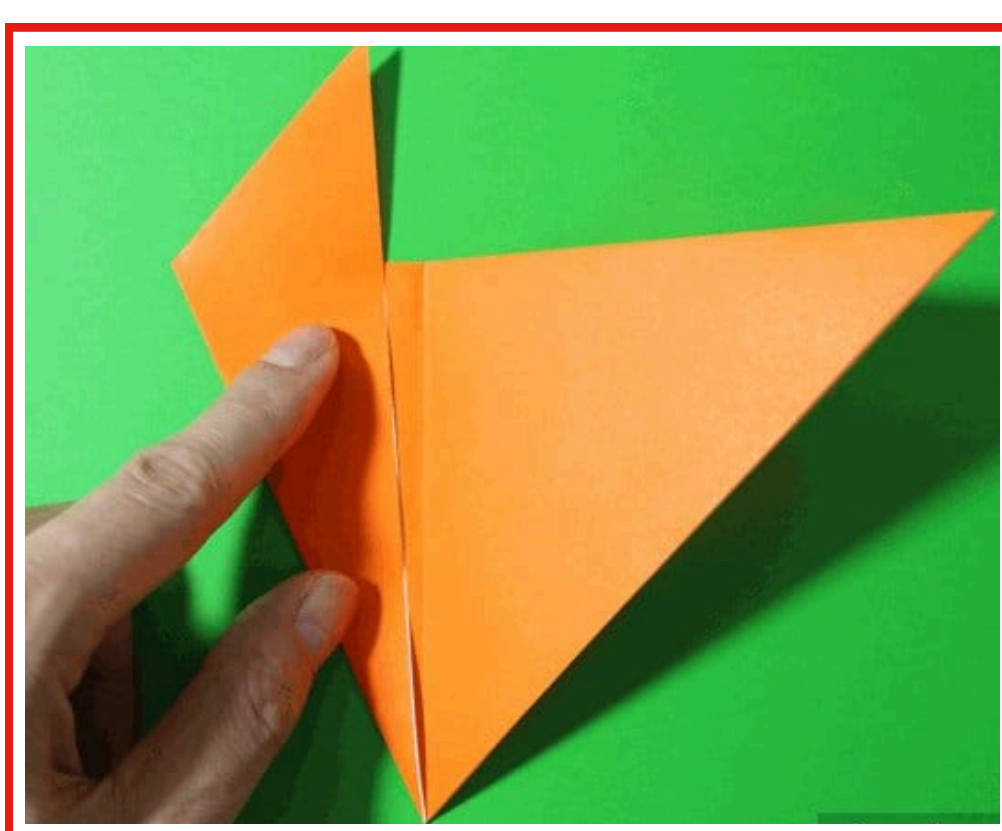
1. Start with a square piece of origami paper



2. Face the lighter side up if using 2 sided colour paper then fold the paper in half (top corner to bottom)



3. Fold in half again by folding left corner to right corner, then unfold.



4a. Fold the left and right triangle edges towards the centre but not all the way to centre.



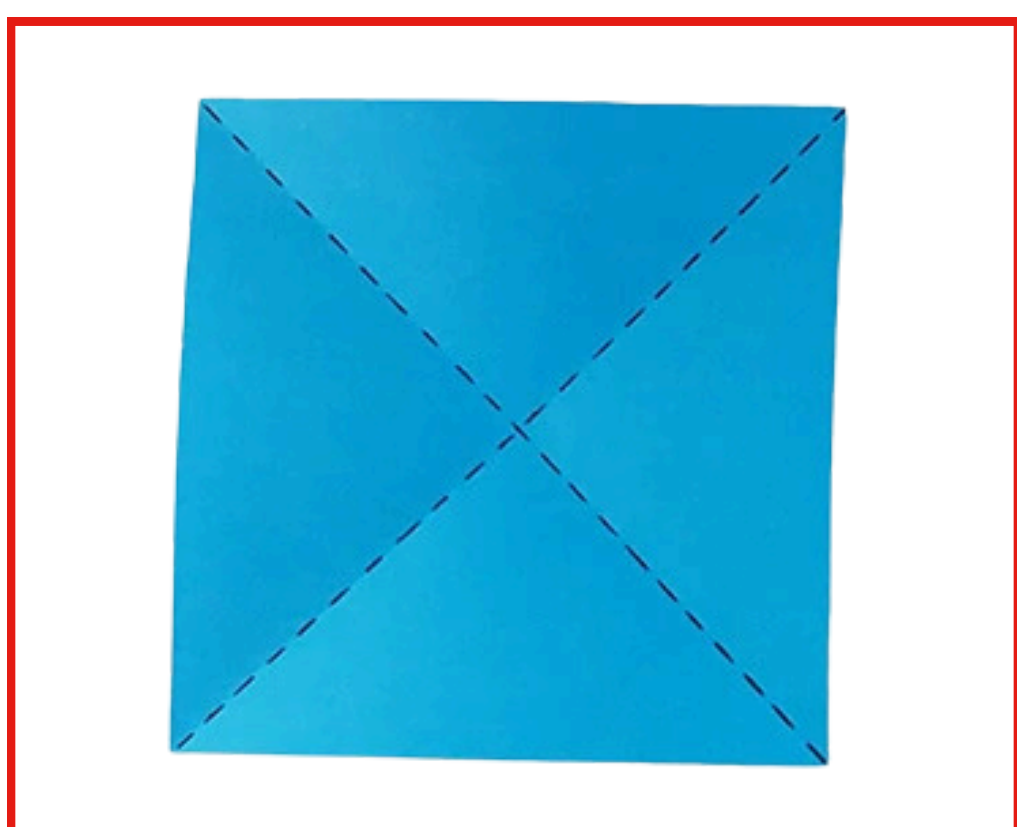
4b. Once you have done both sides it will look like this



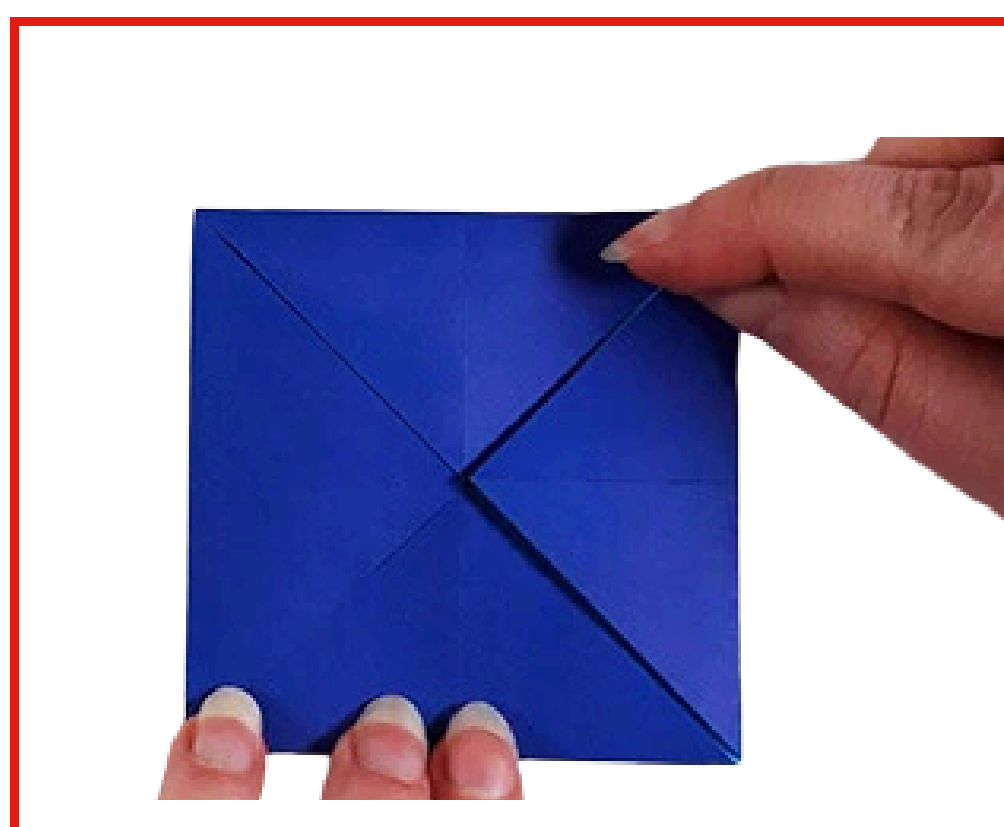


5. Turn the paper over and draw on the face.

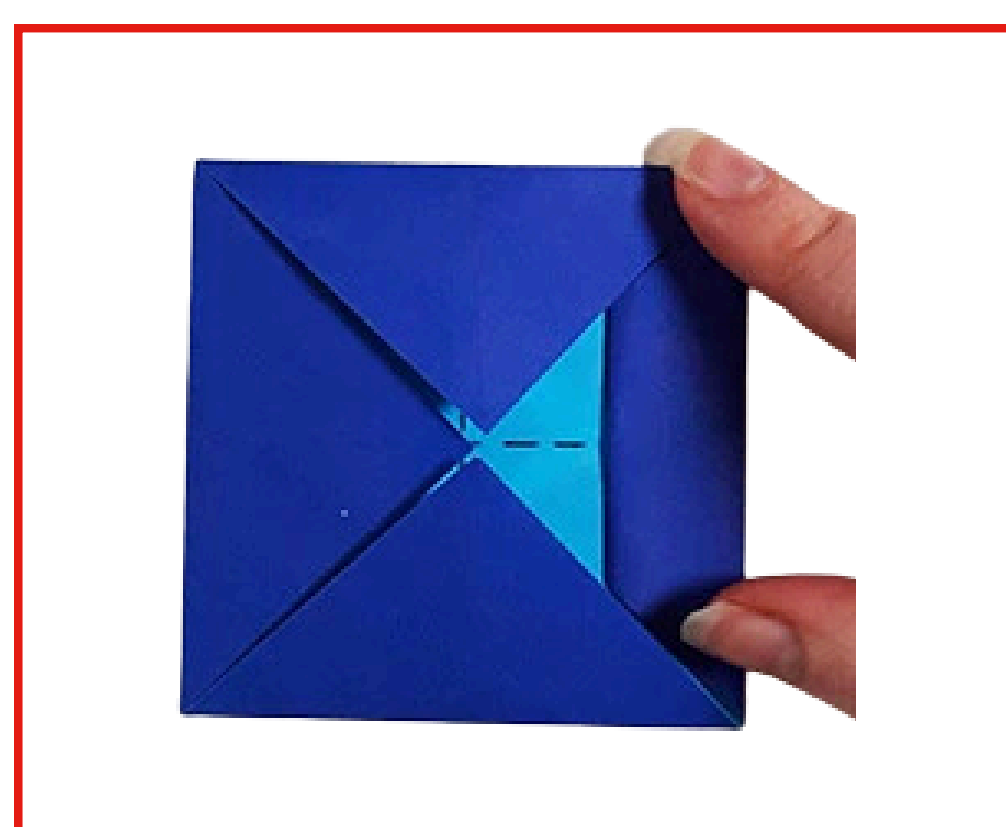
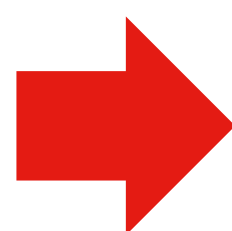
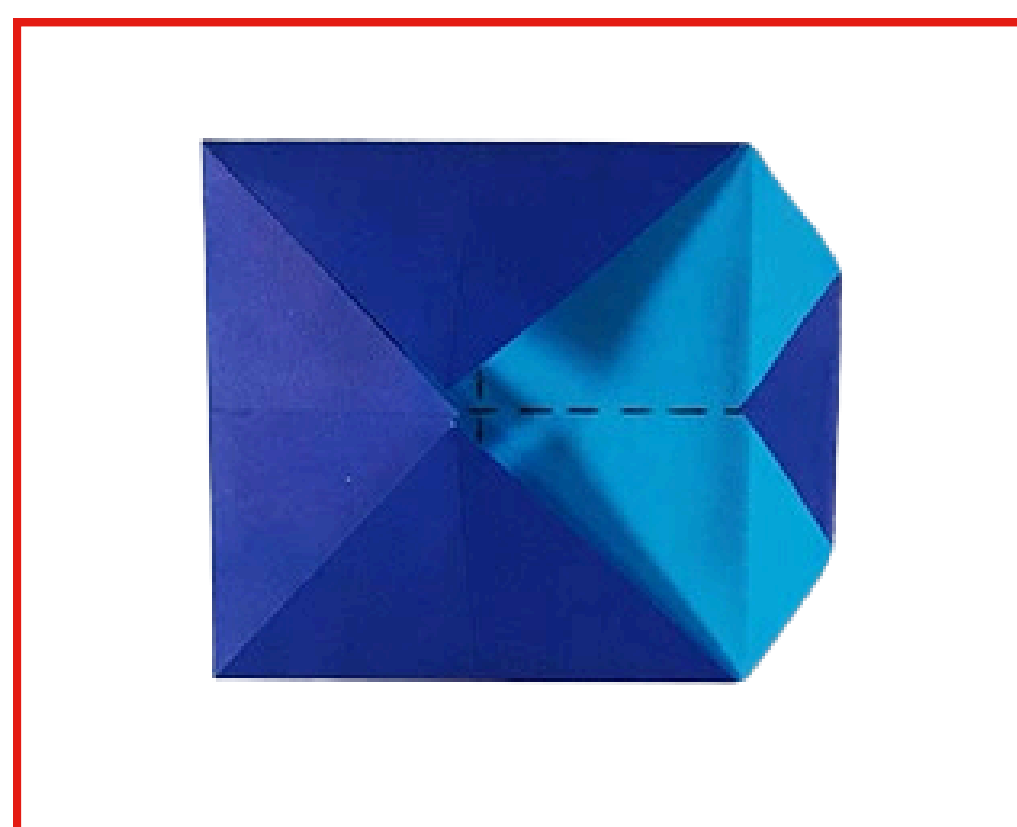
KS1 Example 1: Dog



1. Fold the square paper in half diagonally, unfold and then fold in half diagonally the other way.

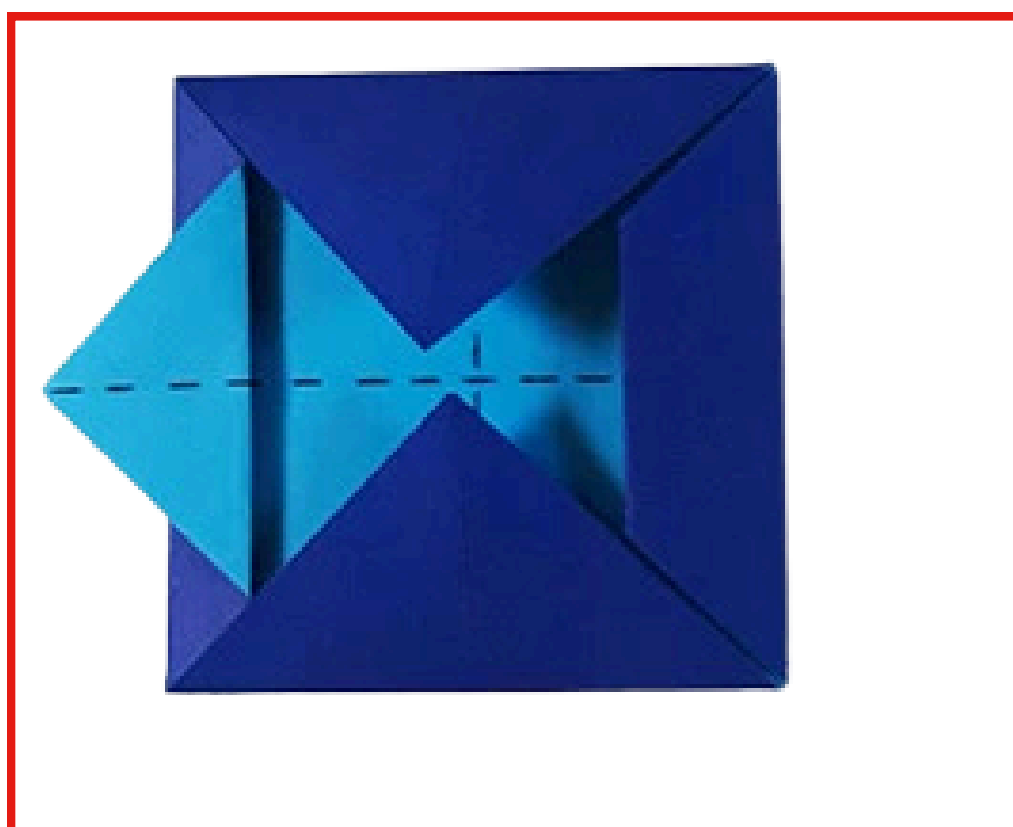


2. Then fold all the points inwards to meet in the centre to make a smaller square.

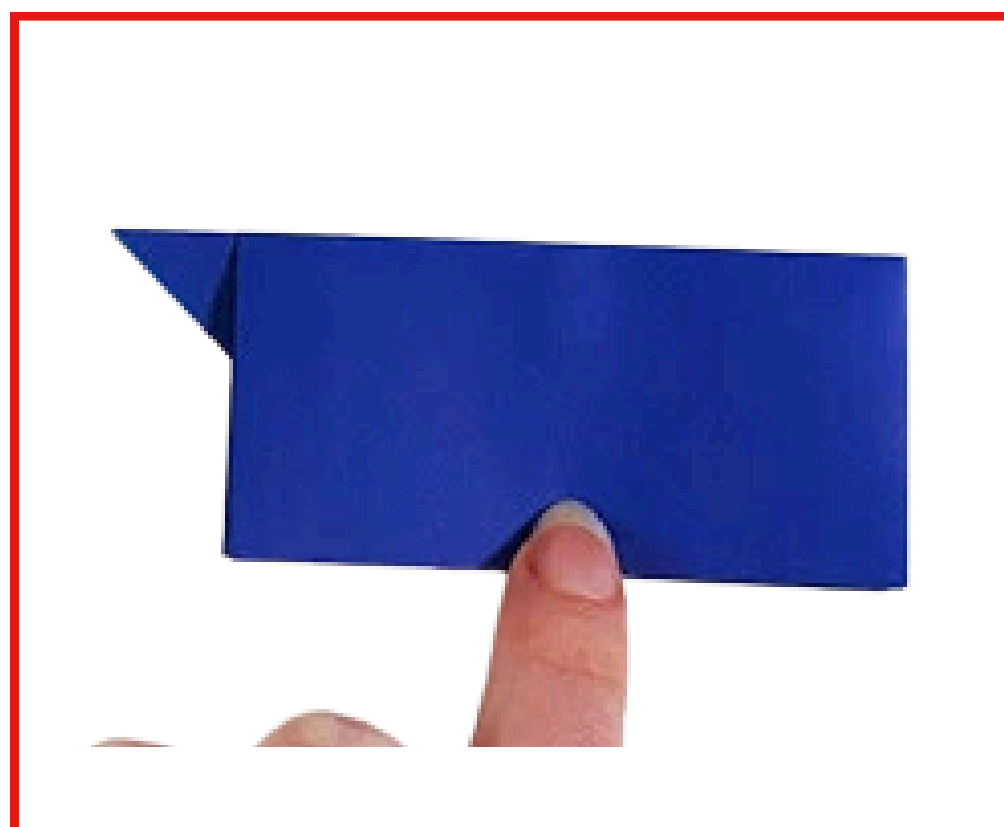


3. Open out one of the points and fold it so that the point meets the previous crease. Then fold back along the crease to make it square again.

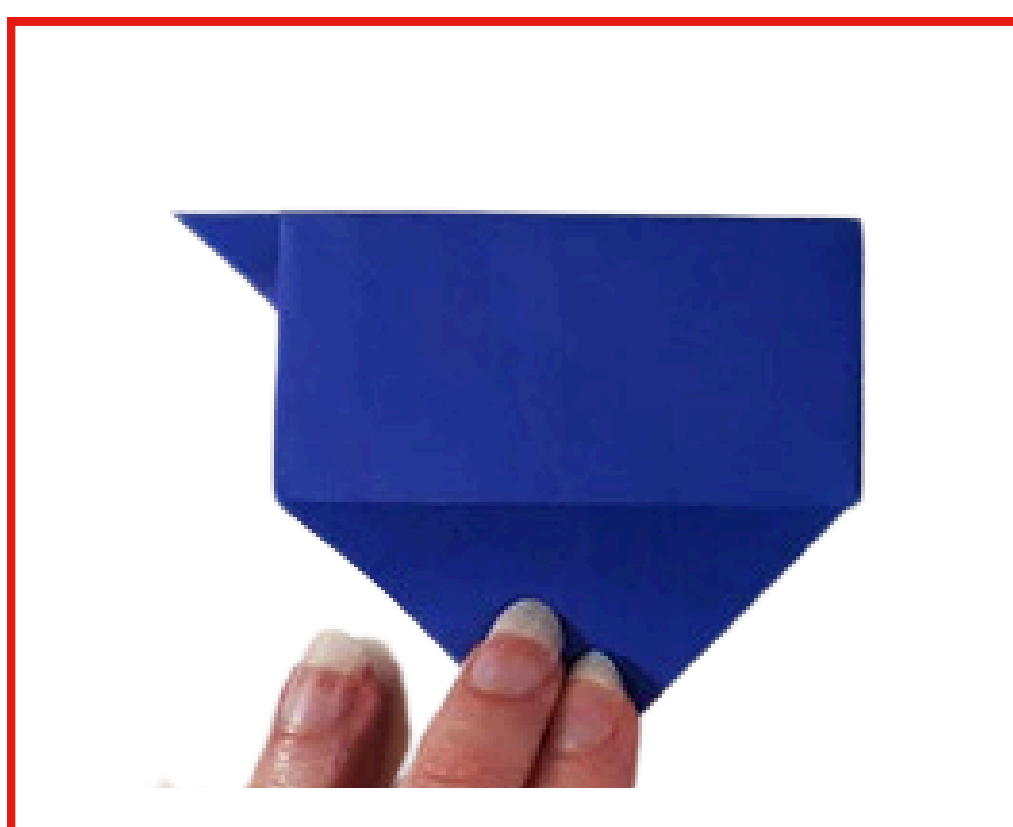




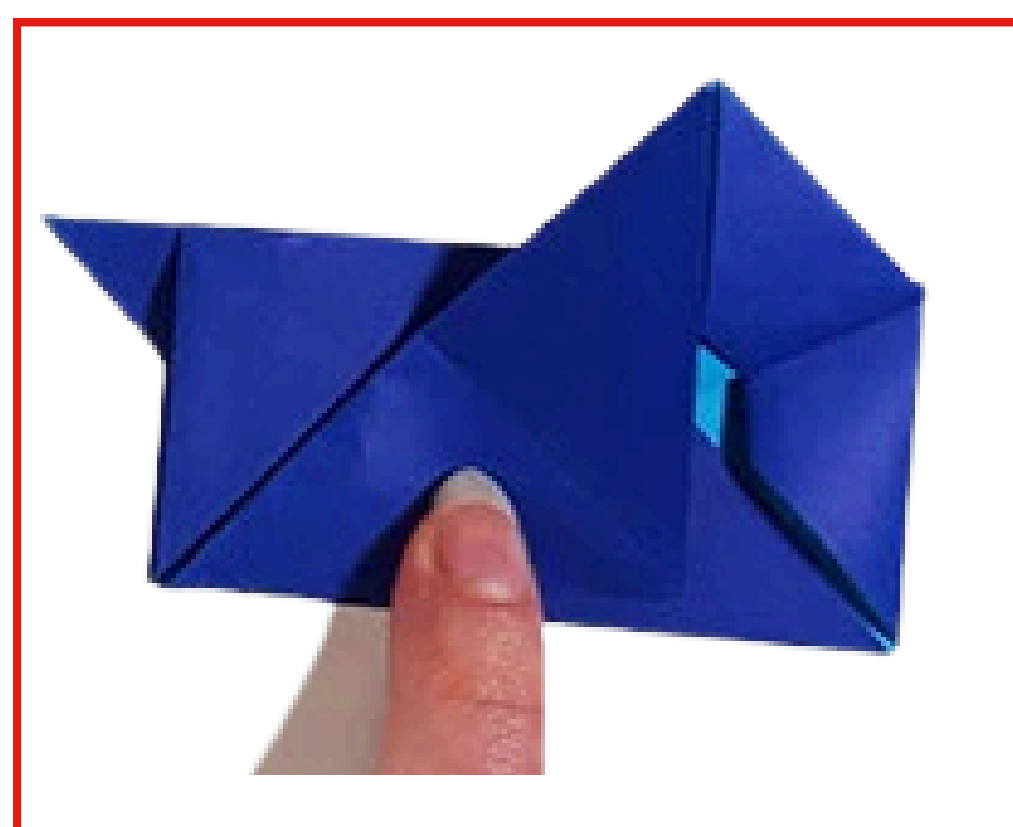
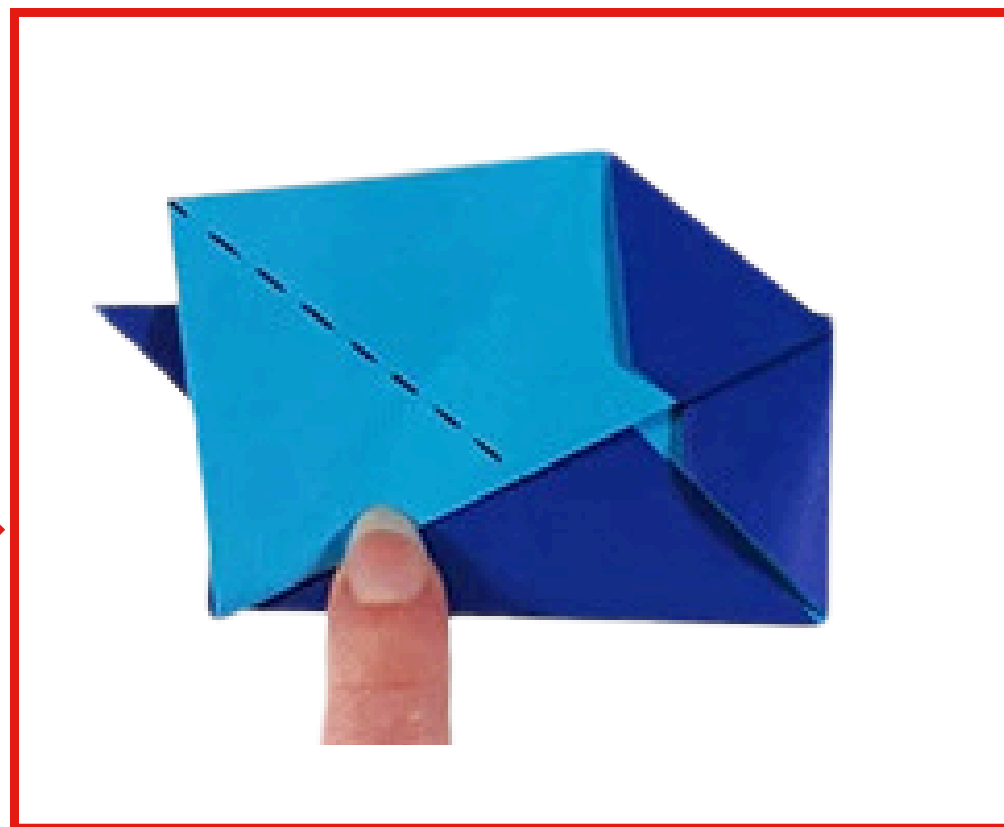
4. Open out the opposite point and fold back on itself so the point extends beyond the square.



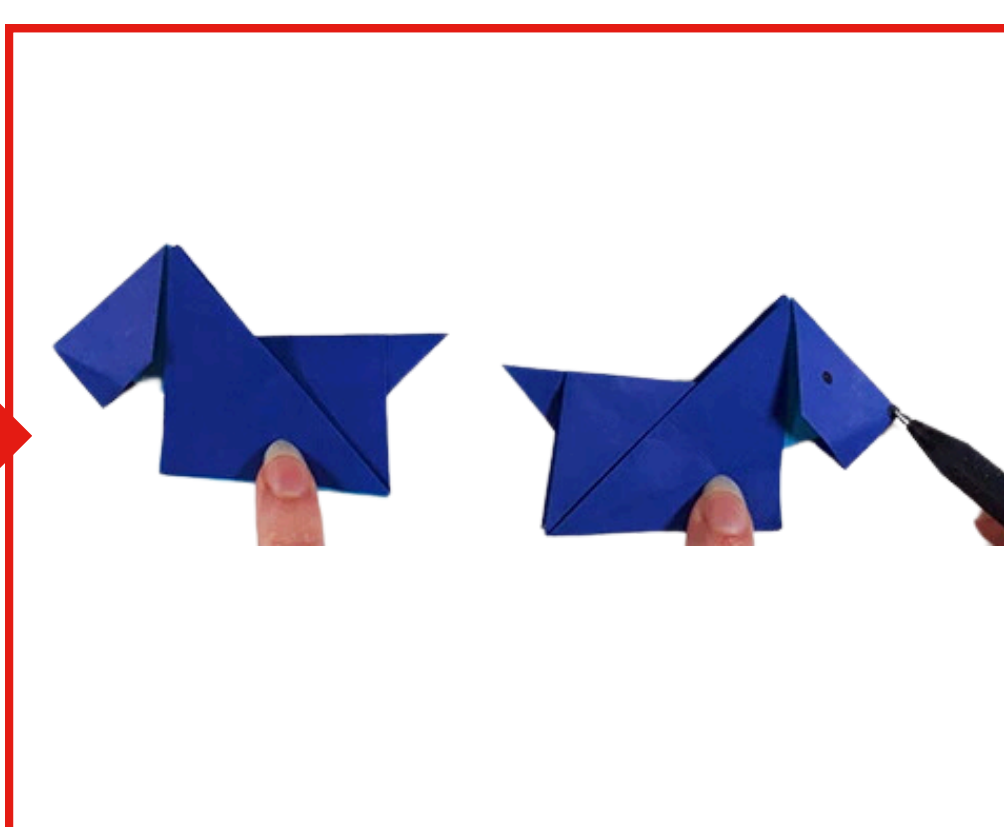
5. Fold it in half



6. Open out the front flap so the point is extended, then fold diagonally.



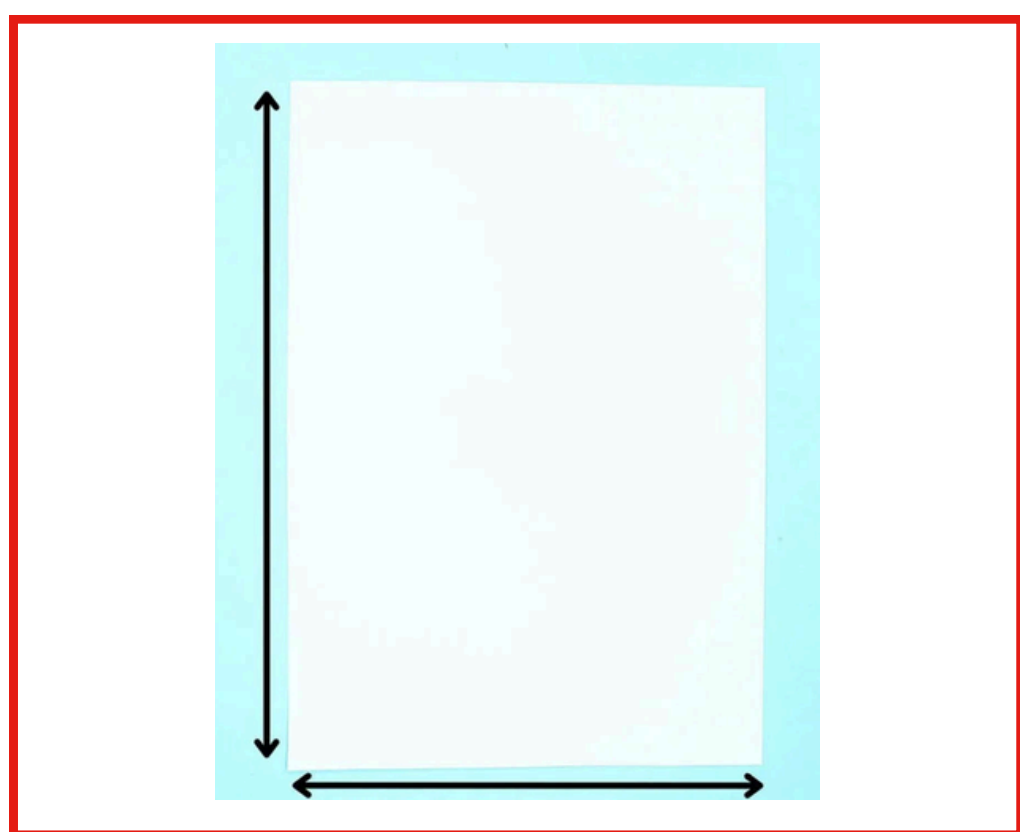
7. Then fold the point down along the crease line.



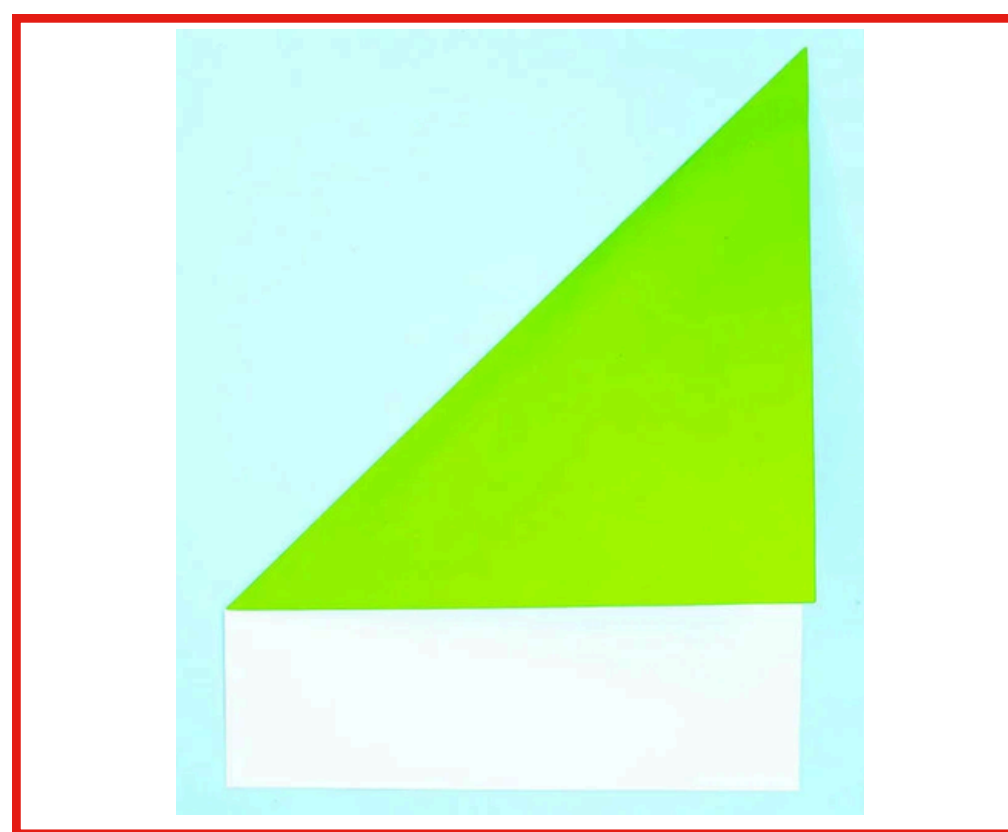
8. Repeat step 6 on the opposite side. Invert the fold on the front of the dog's head. Draw on a nose and eyes.



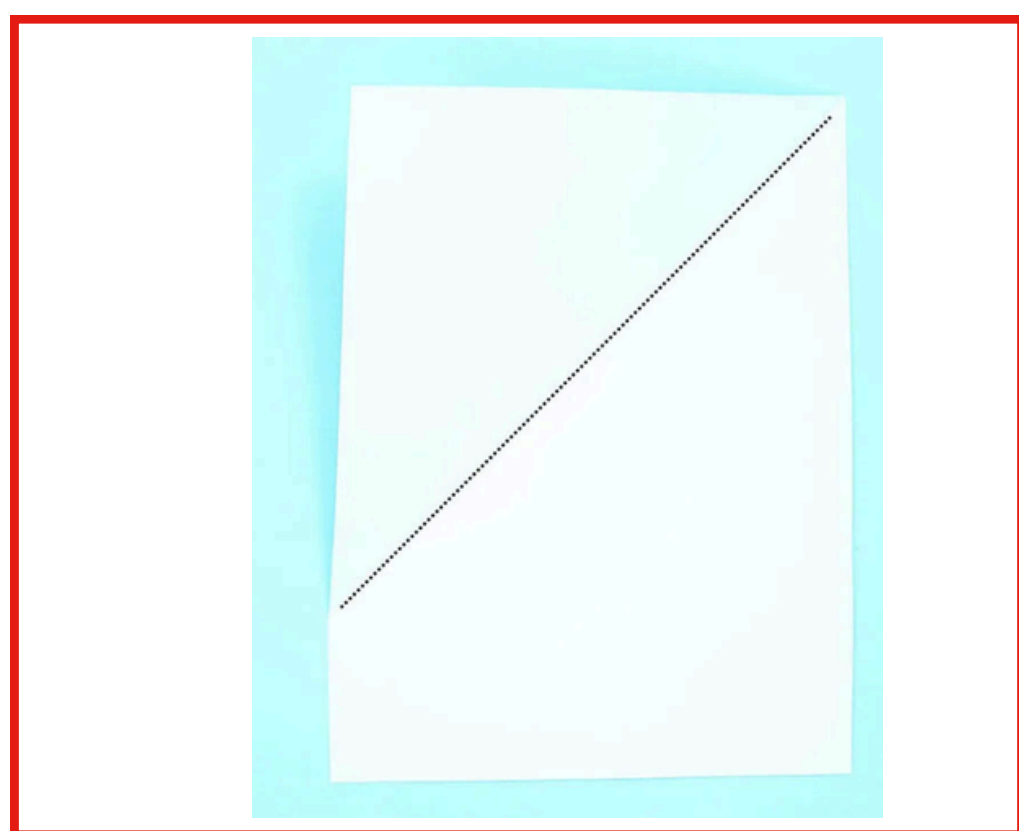
KS1 Example 2: Frog



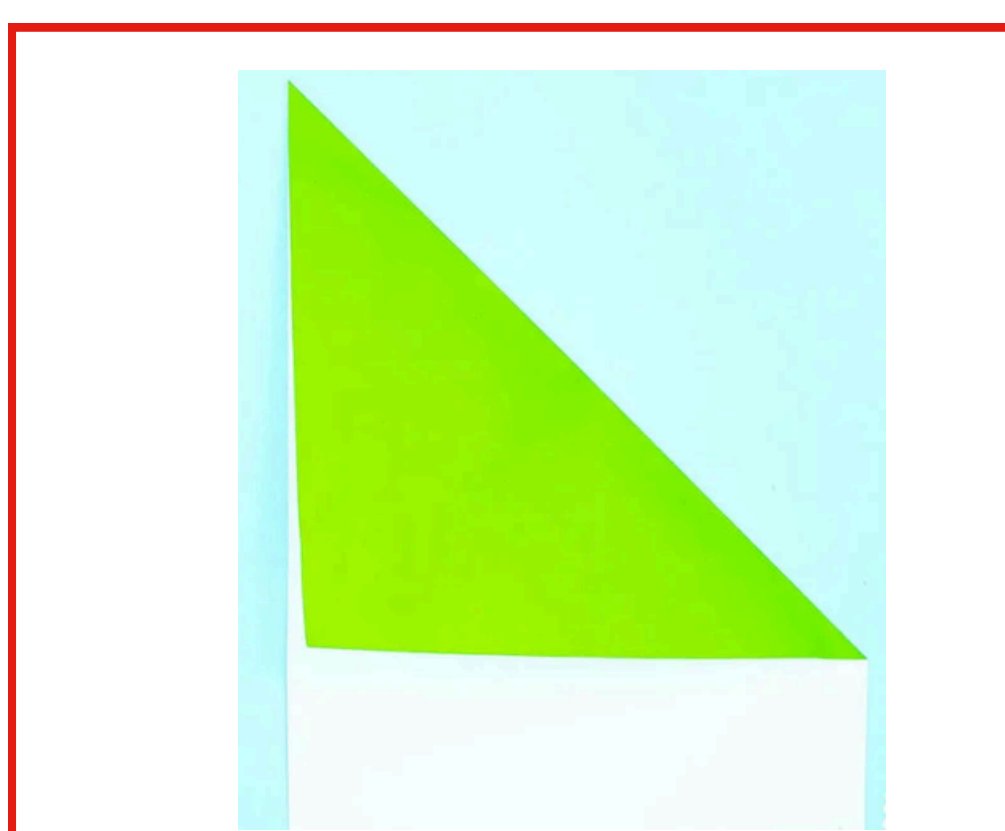
1. Start with a square piece of origami paper



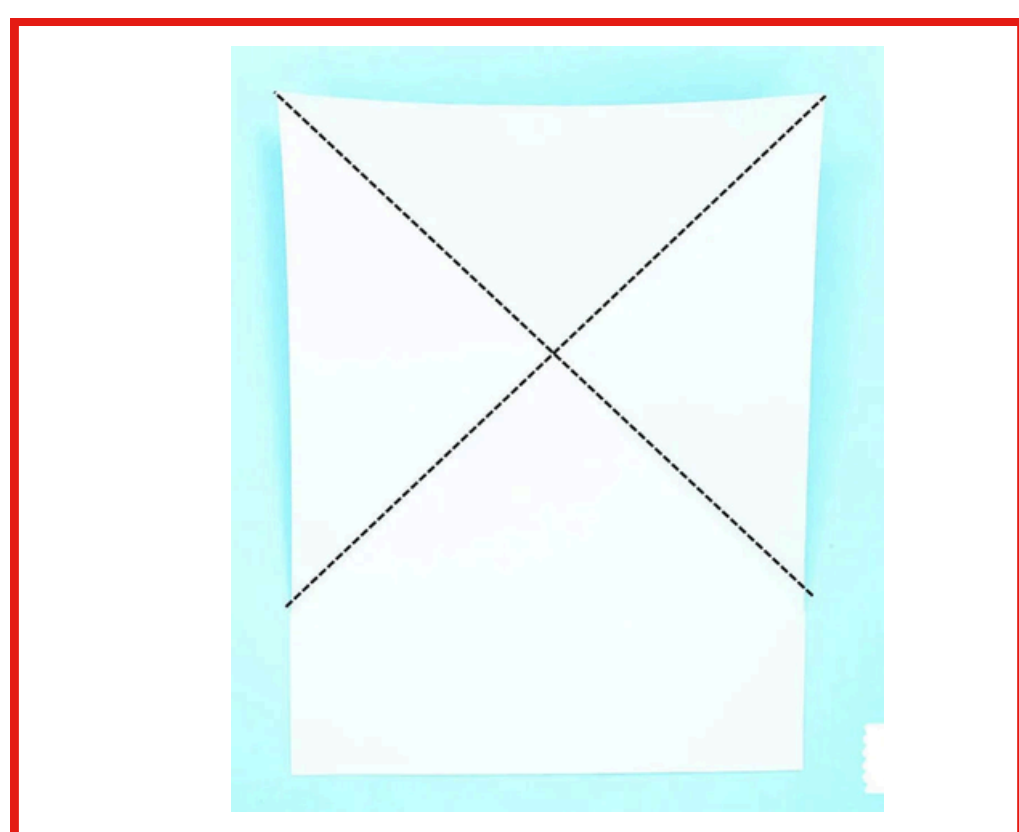
2. Fold the top left corner to the right side, making the top right corner as pointy as you can.



3. When you unfold it you should have a crease line where the dotted line is.

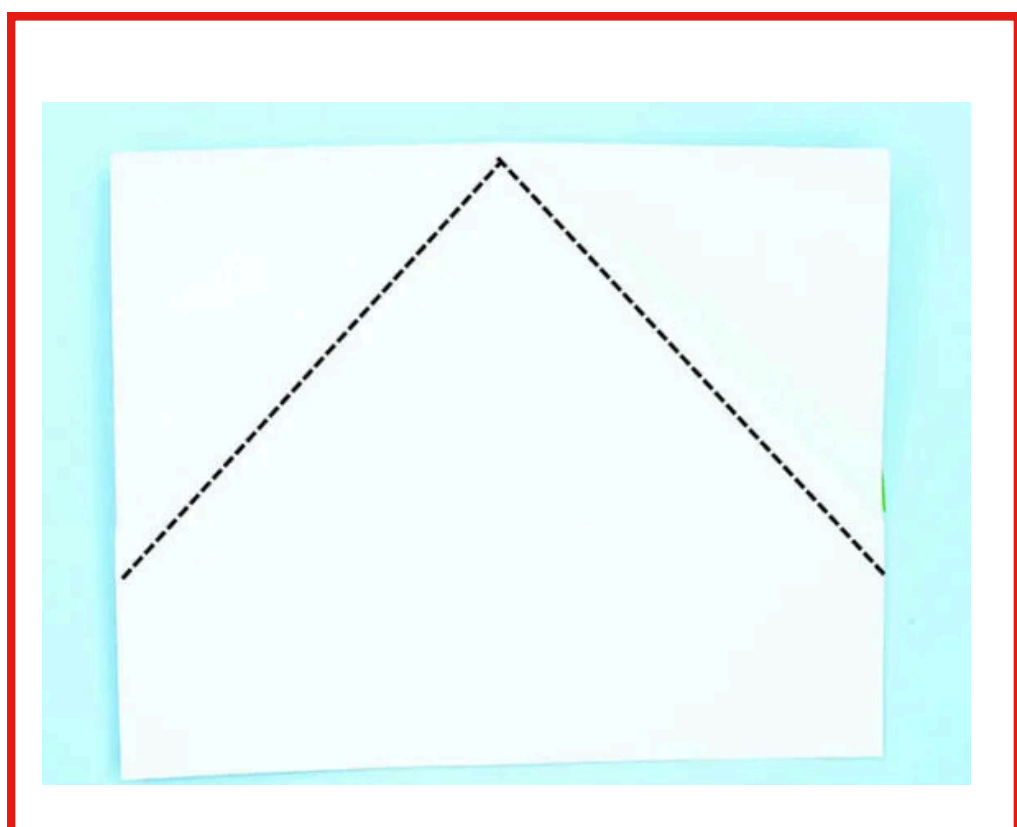


4. Now fold the top right corner to the left side, making the top left corner as pointy as possible.

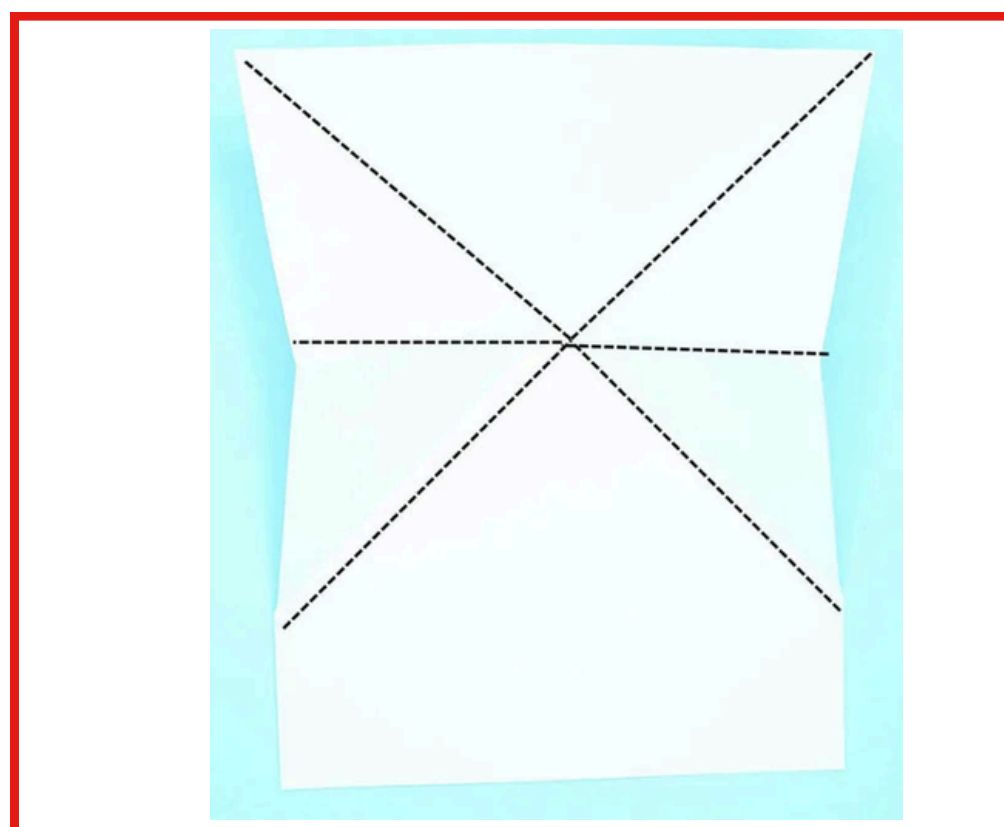


5. When you unfold it should have a crease like an X.

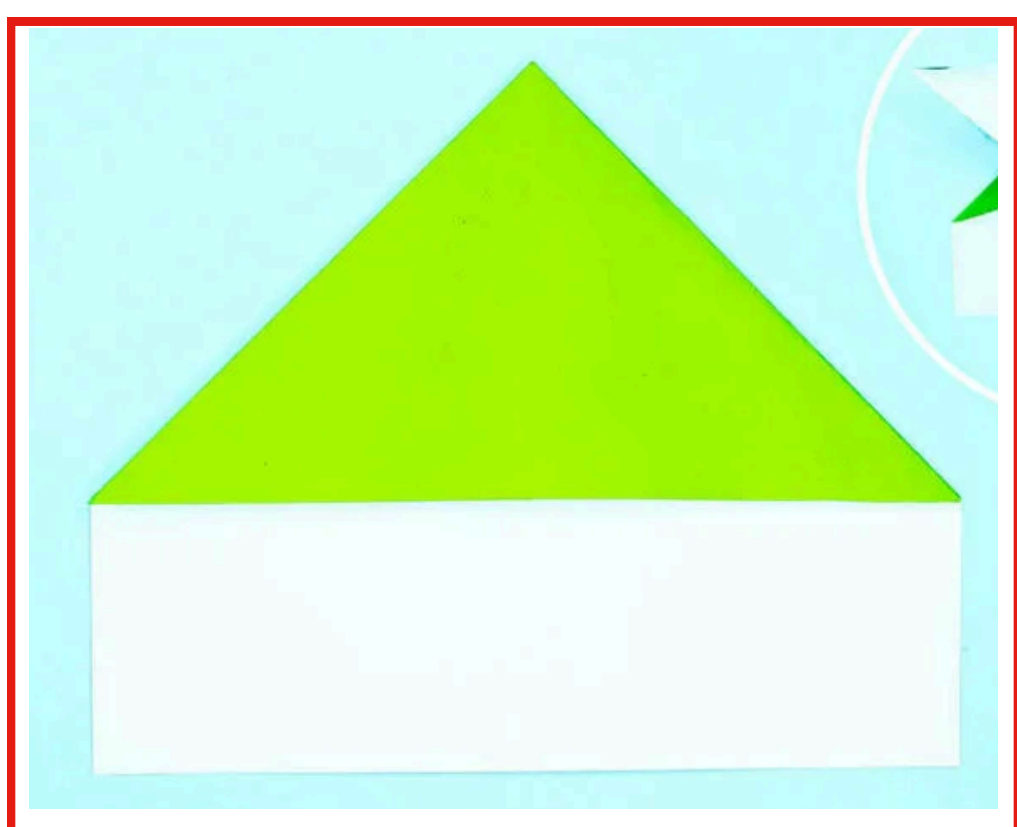




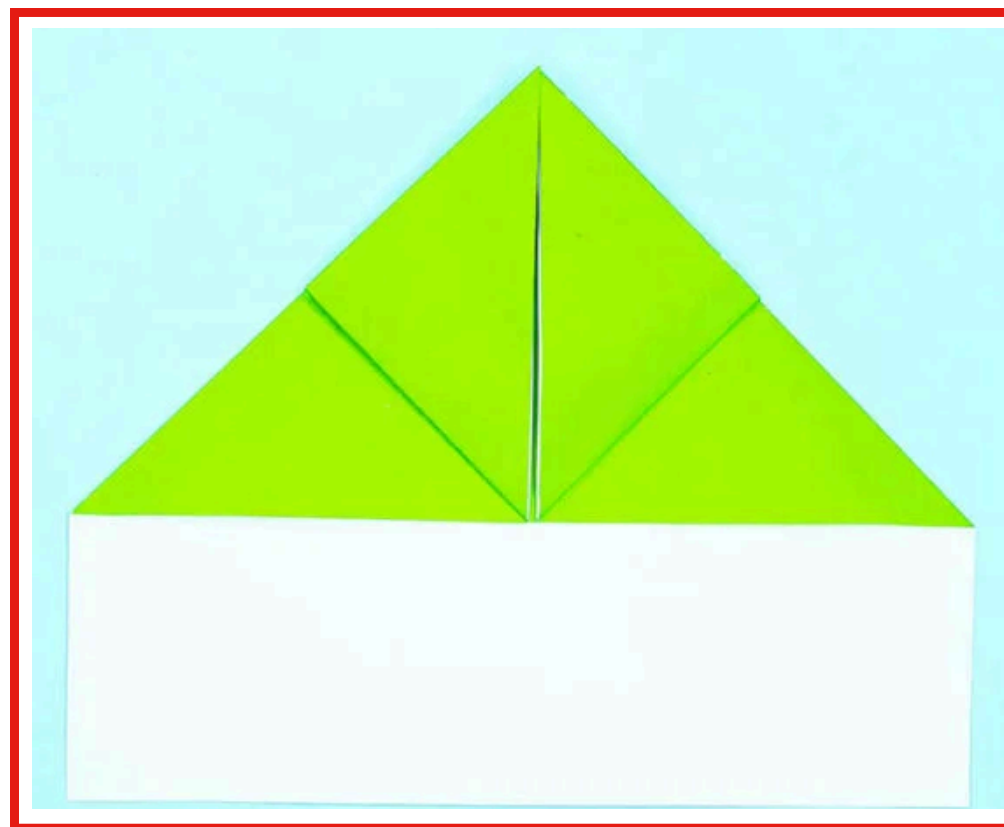
6. Fold the top back from where the X crease meets.



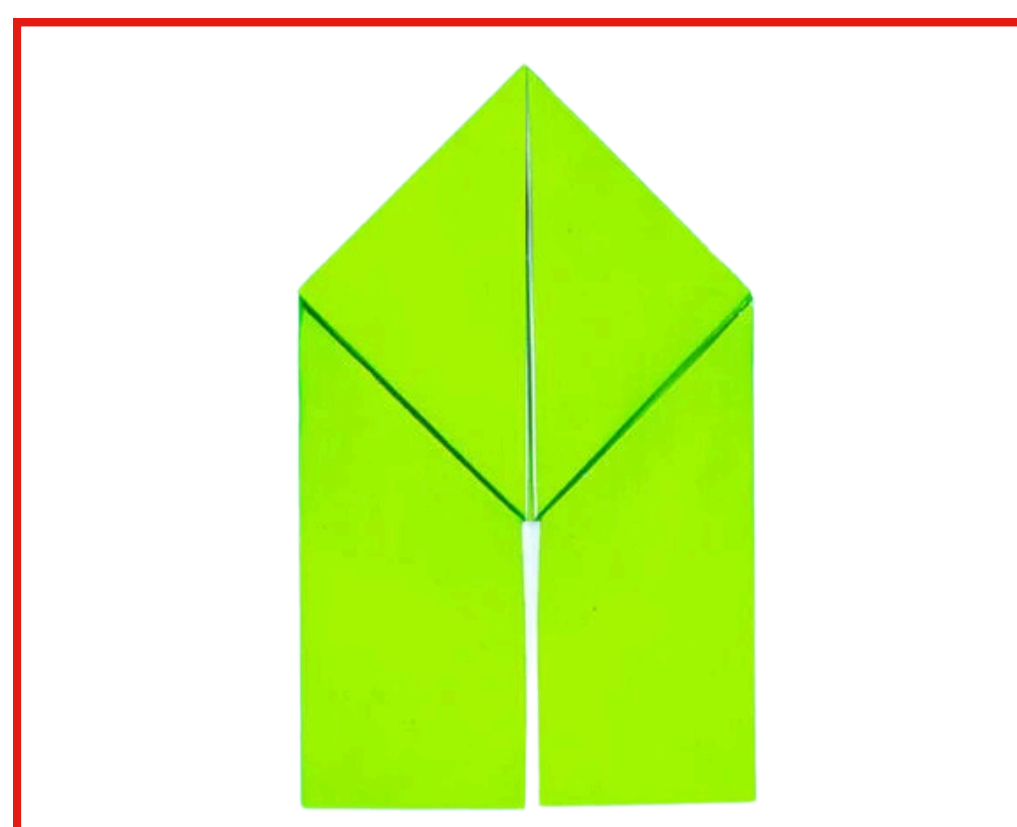
7. Unfold the top, now you have three creases.



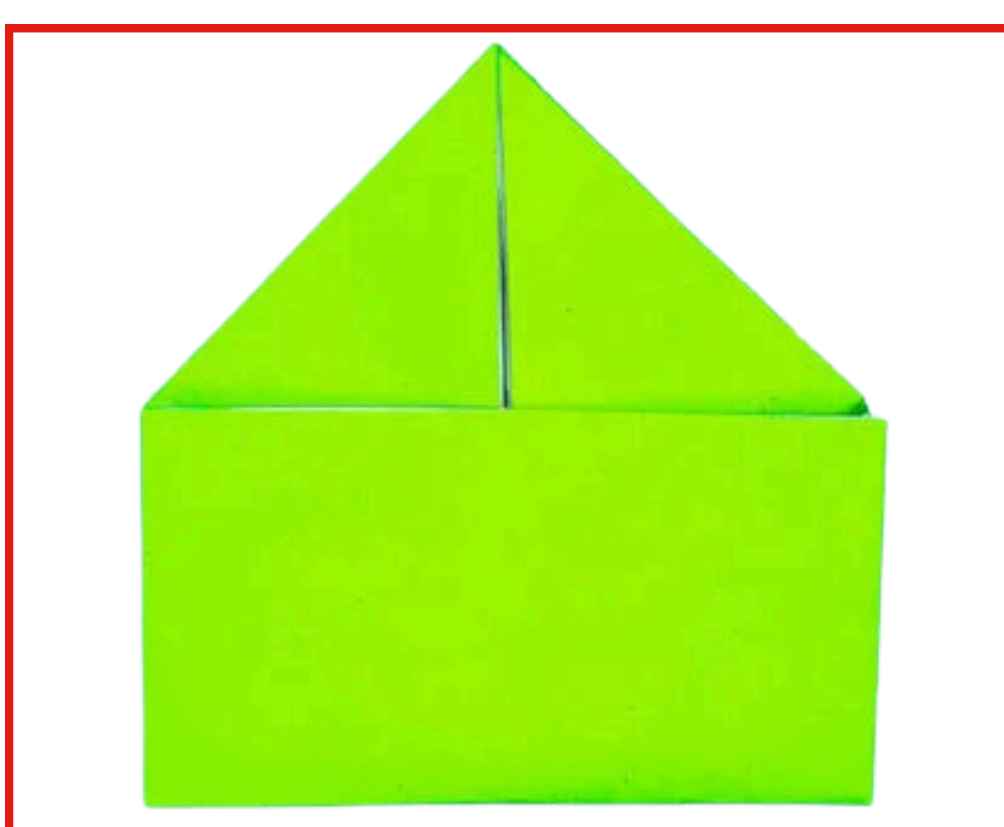
8. Bring the creases together to form a triangle at the top by pushing the sides in.



9. Fold the left and right corner of the triangle to the top of the triangle.



10. Fold the sides to the centre.

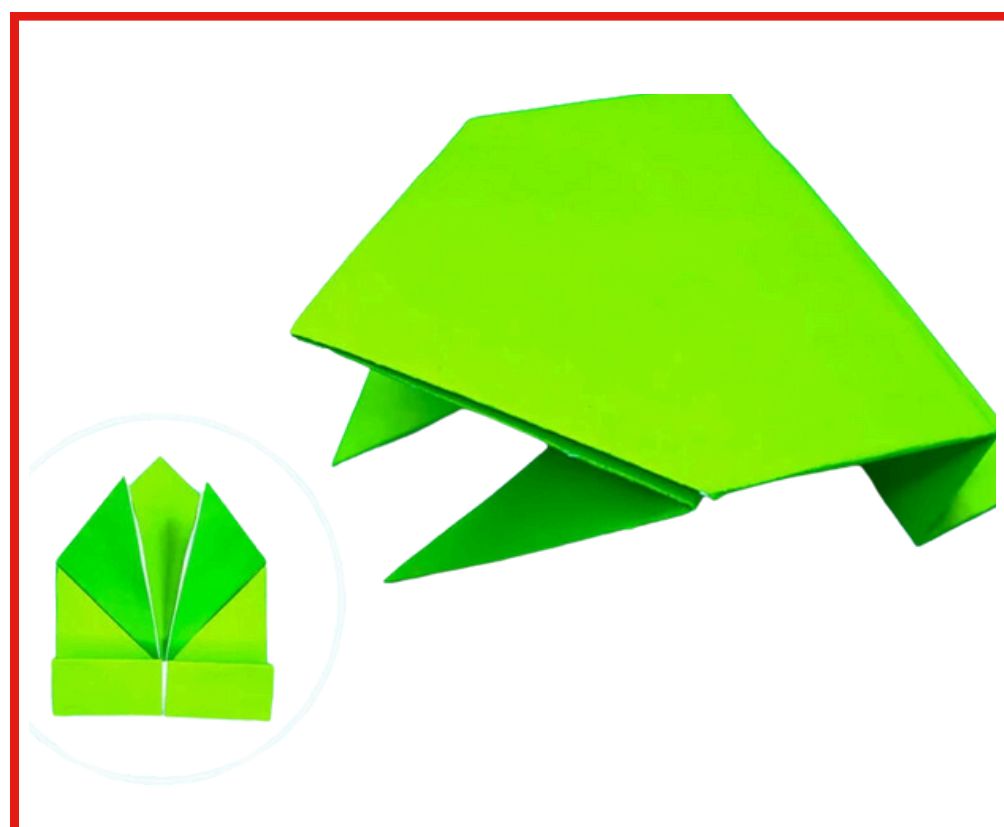


11. Fold the bottom corners to the middle of the diamond corners.





12. Fold the bottom rectangle in half (from top to bottom).

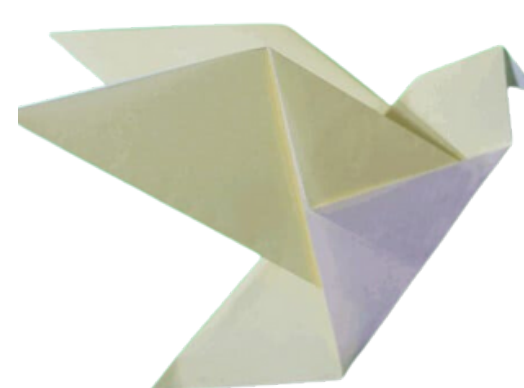


13. Turn the frog over, fold the front legs downward a little bit.



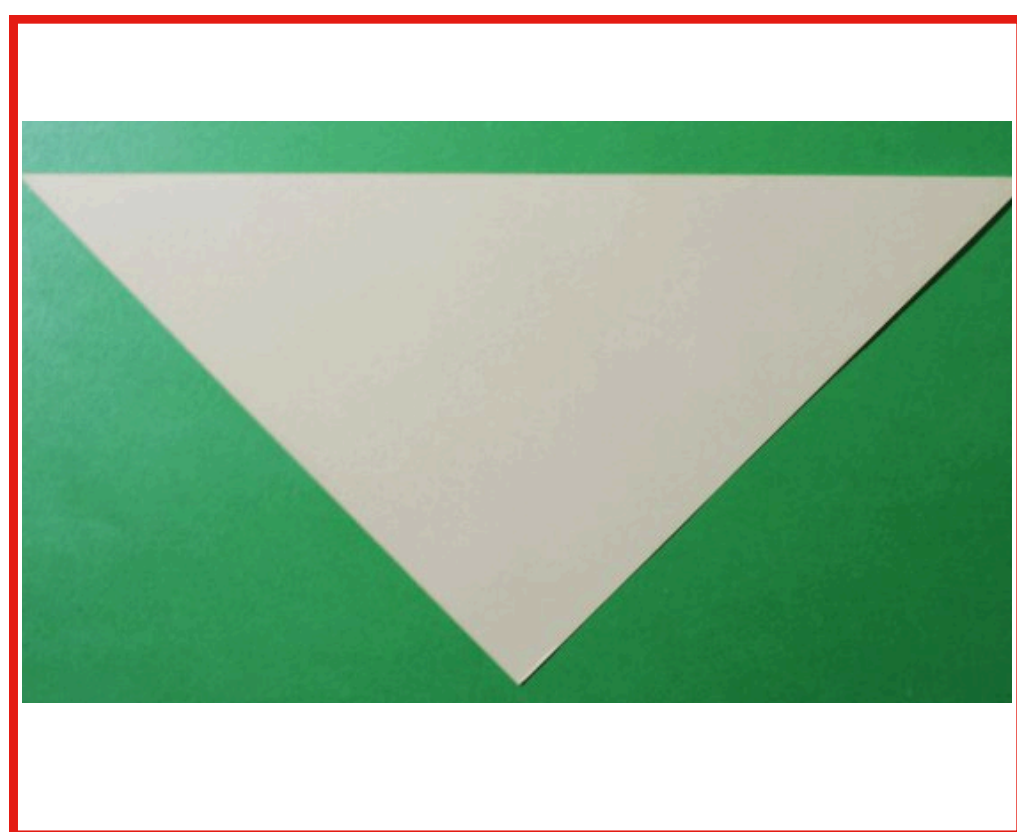
14. Add some eyeballs. Press down on the edge of the back to make it jump!

KS2 Example 1: Bird

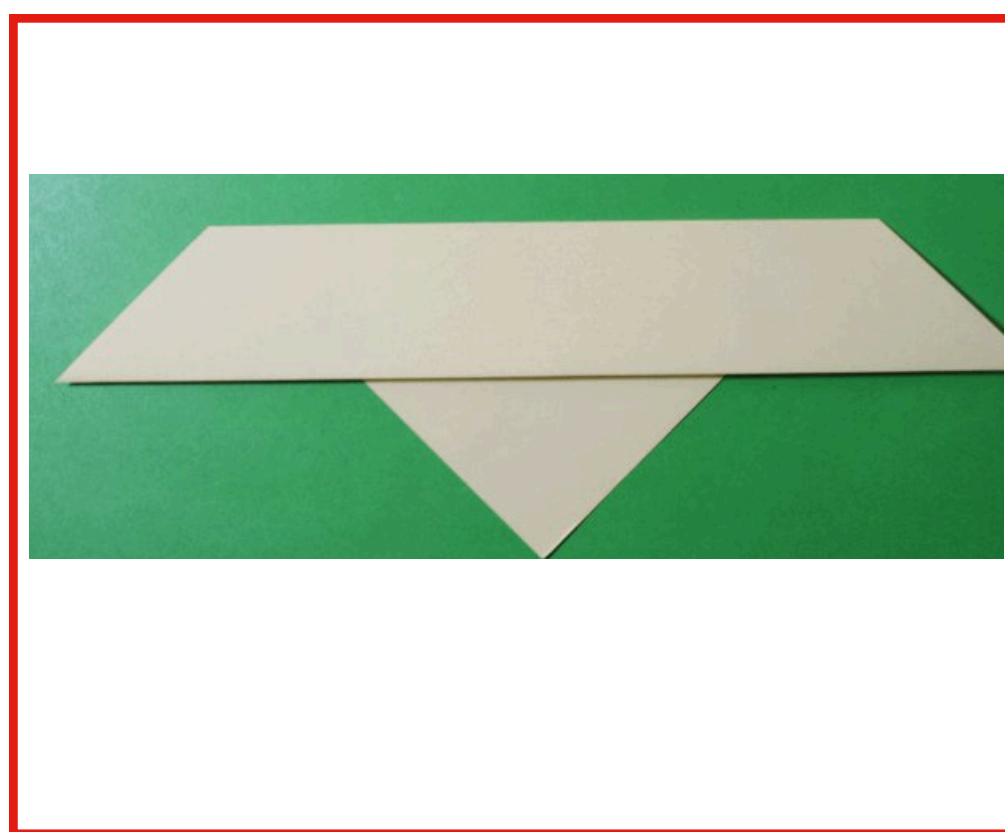


1. Start with a square piece of origami paper.

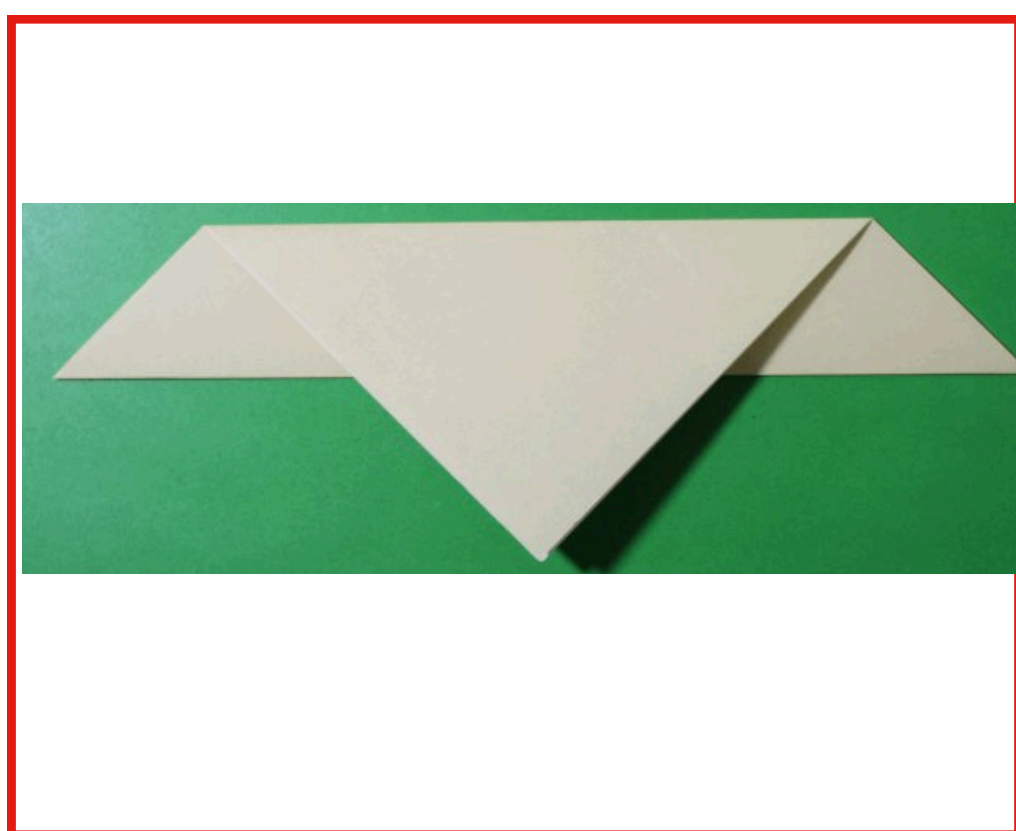




2. Fold the paper in half (top corner to the bottom corner).



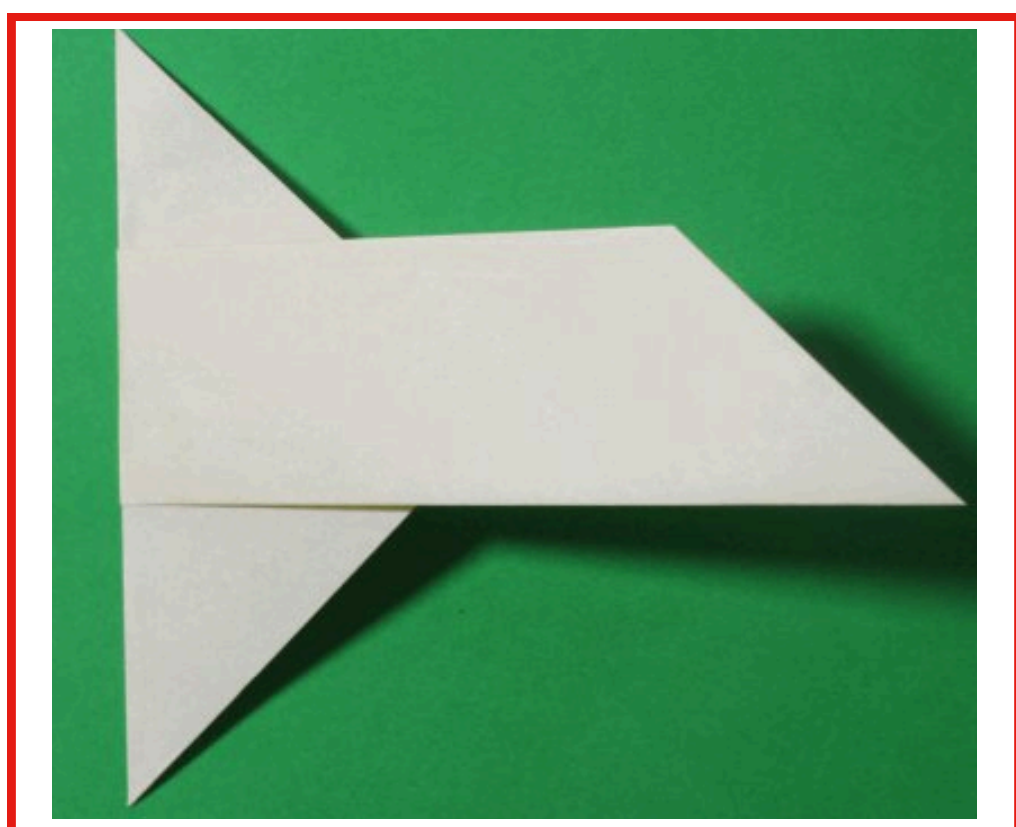
3. Fold part of the top down so that the edge is about halfway down. Don't make this flap too thin, these will become the wings.



4. Turn the paper over.

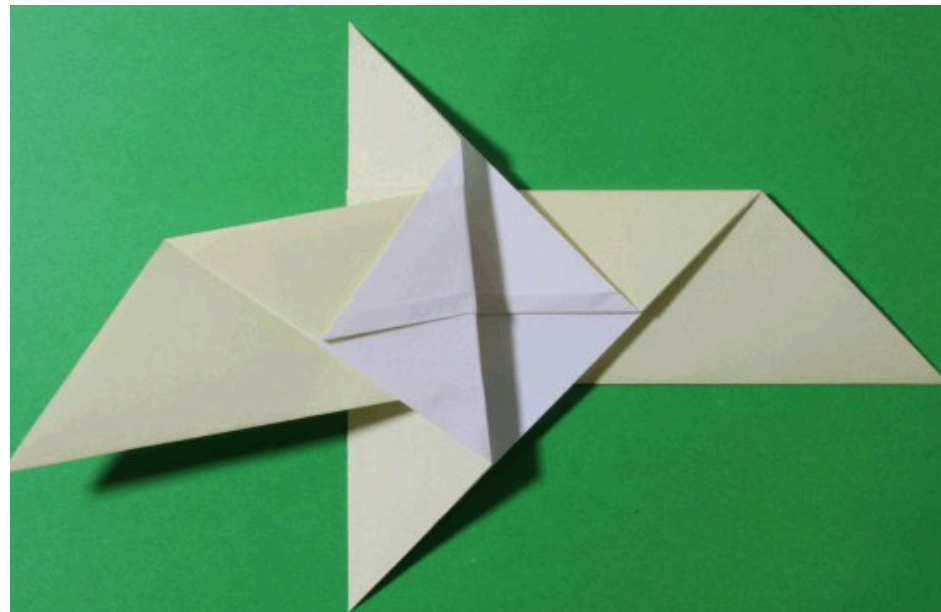


5. Take the bottom corner of the top layer and fold it up like this

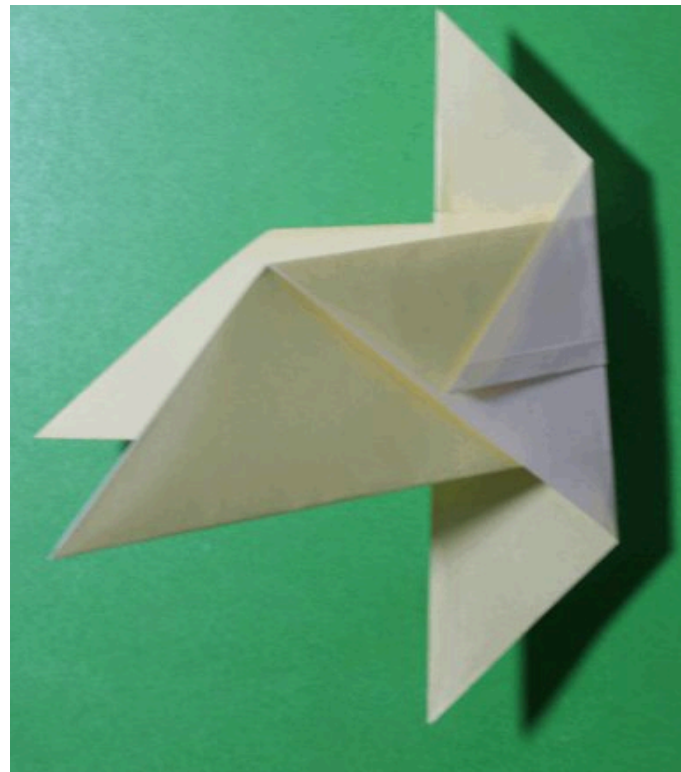


6. Fold the figure in half by folding the left side over to the right.

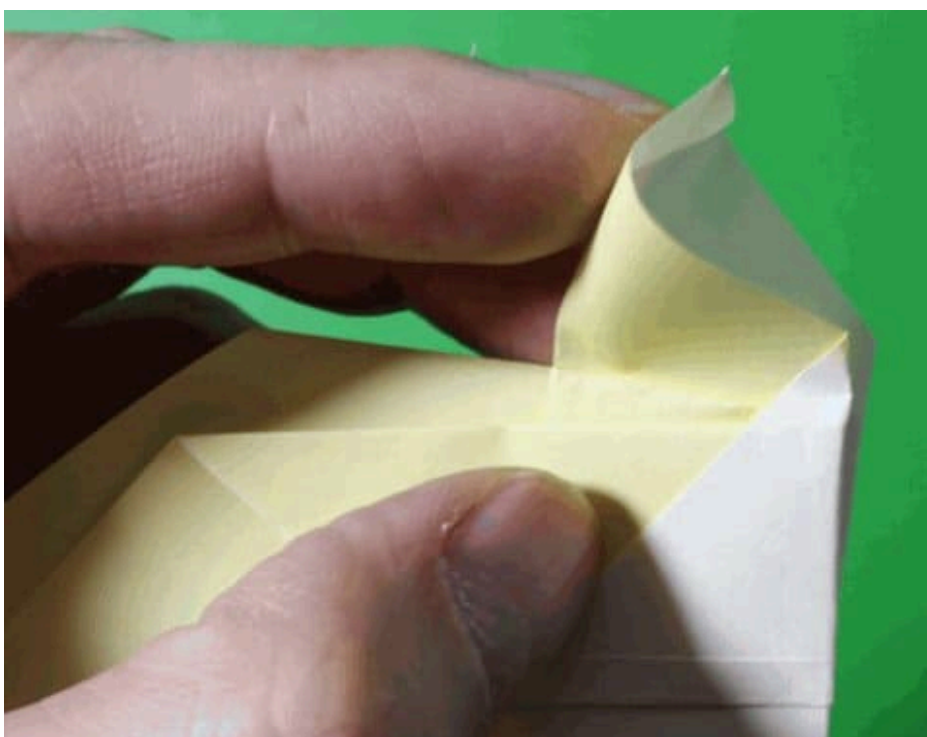




7. Now fold the same flap back towards the left, to make a wing.



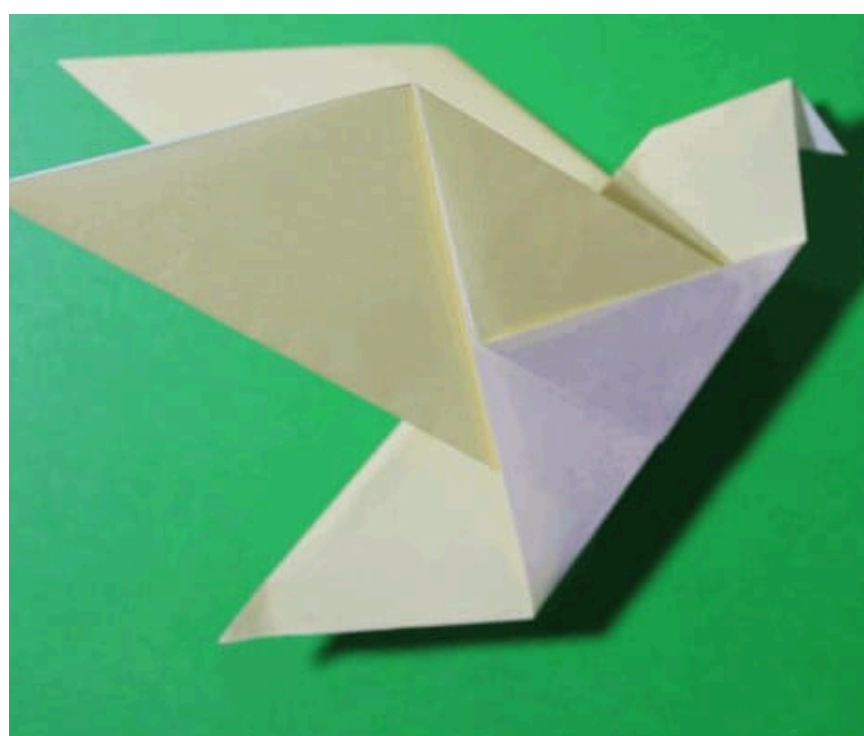
8. Repeat step 7 on the other side to create the second wing.



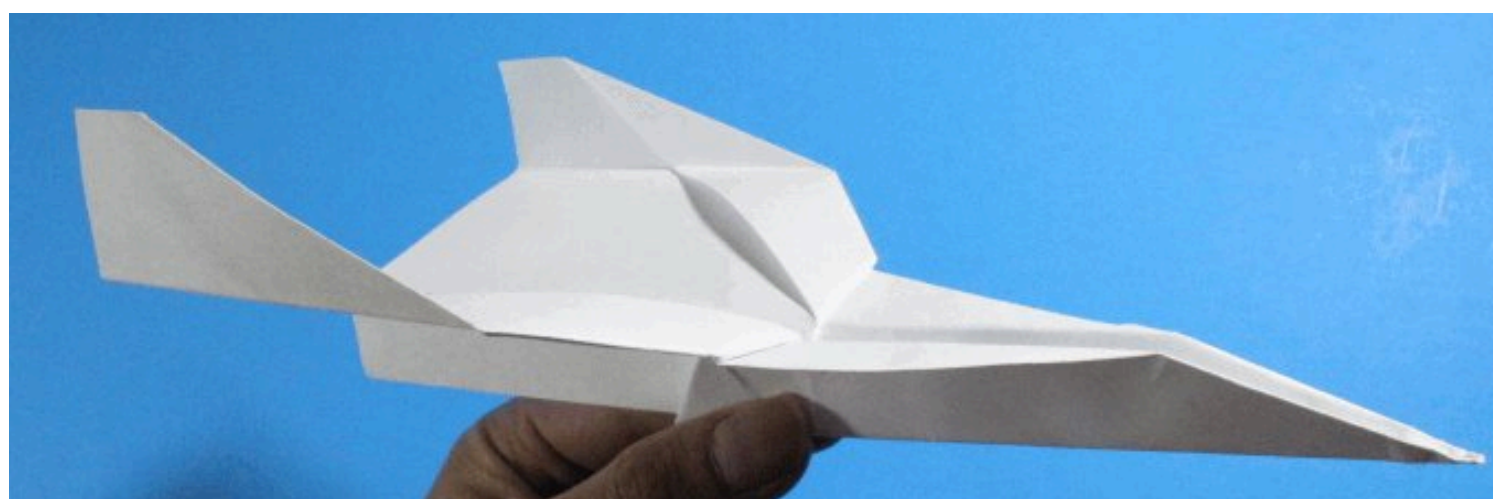
9. Push the centre of the head in and flatten



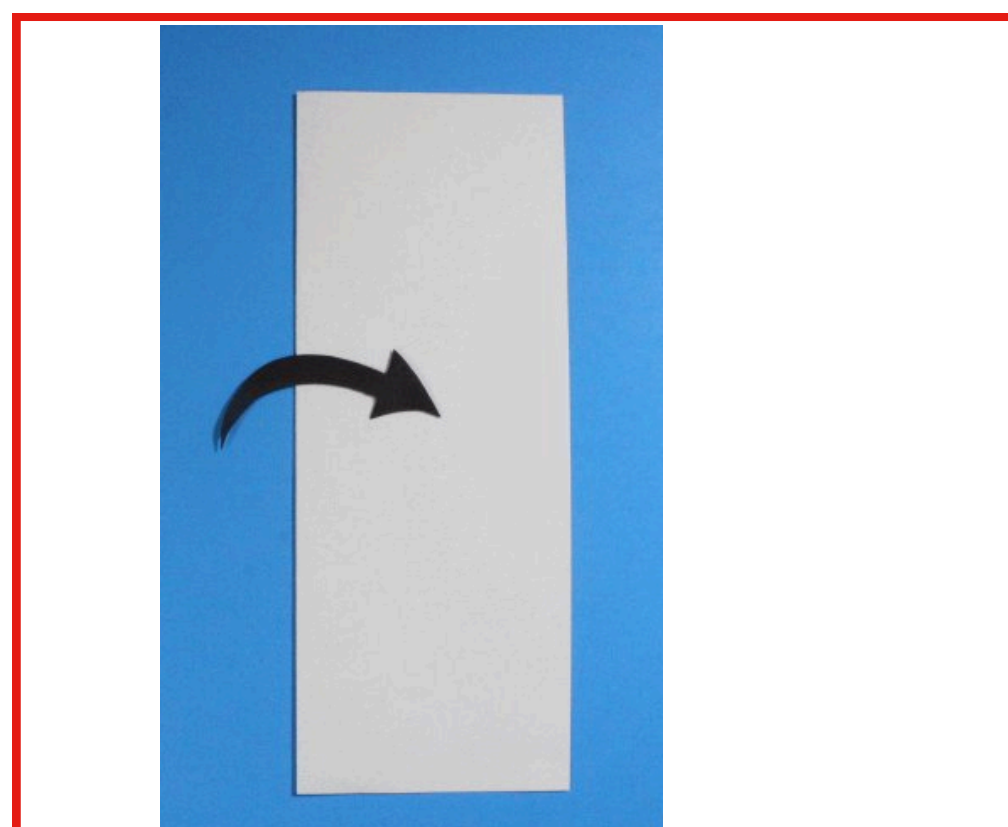
10. Now you have made your bird, feel free to give it eyes, colour in the beak and even colour its wings.



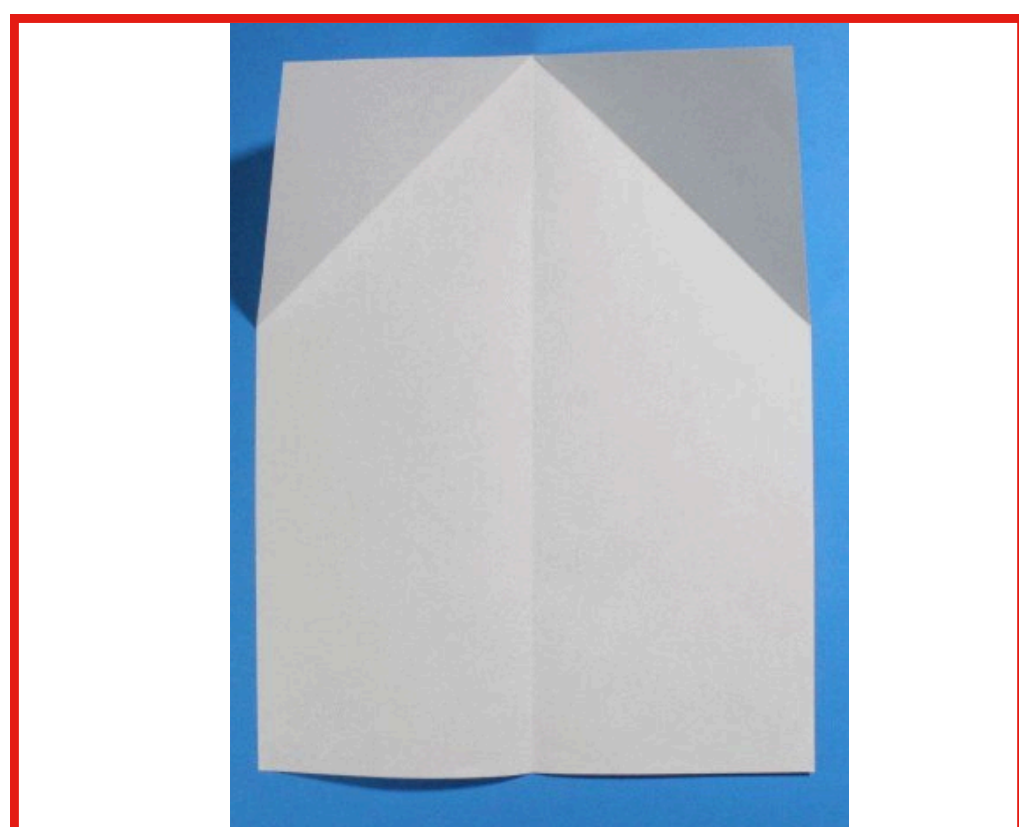
KS2 Example 2: Paper Plane



1. Start with a regular piece of rectangular paper.

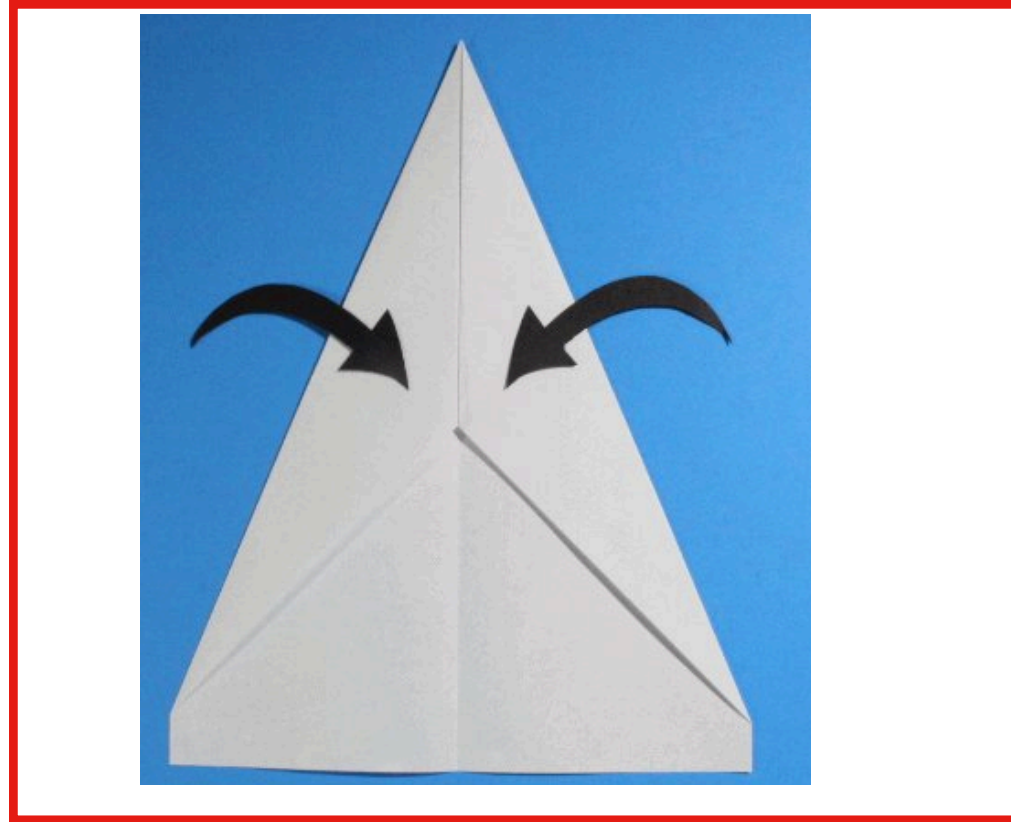


2. Fold the paper in half lengthwise.

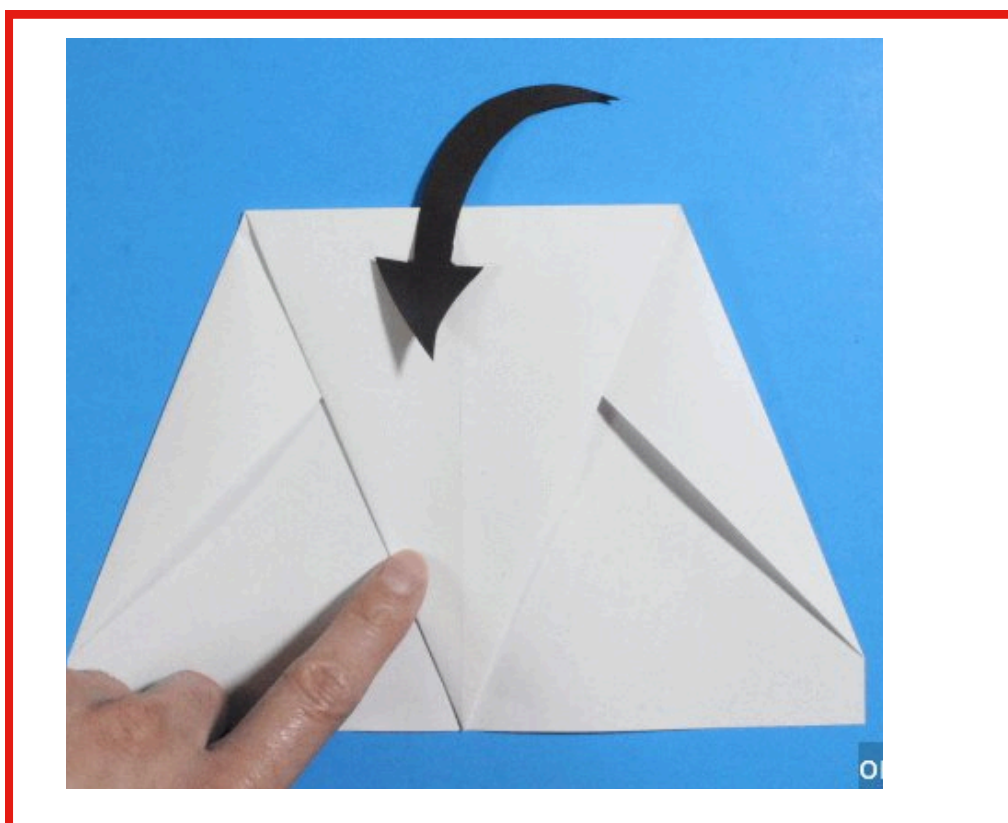
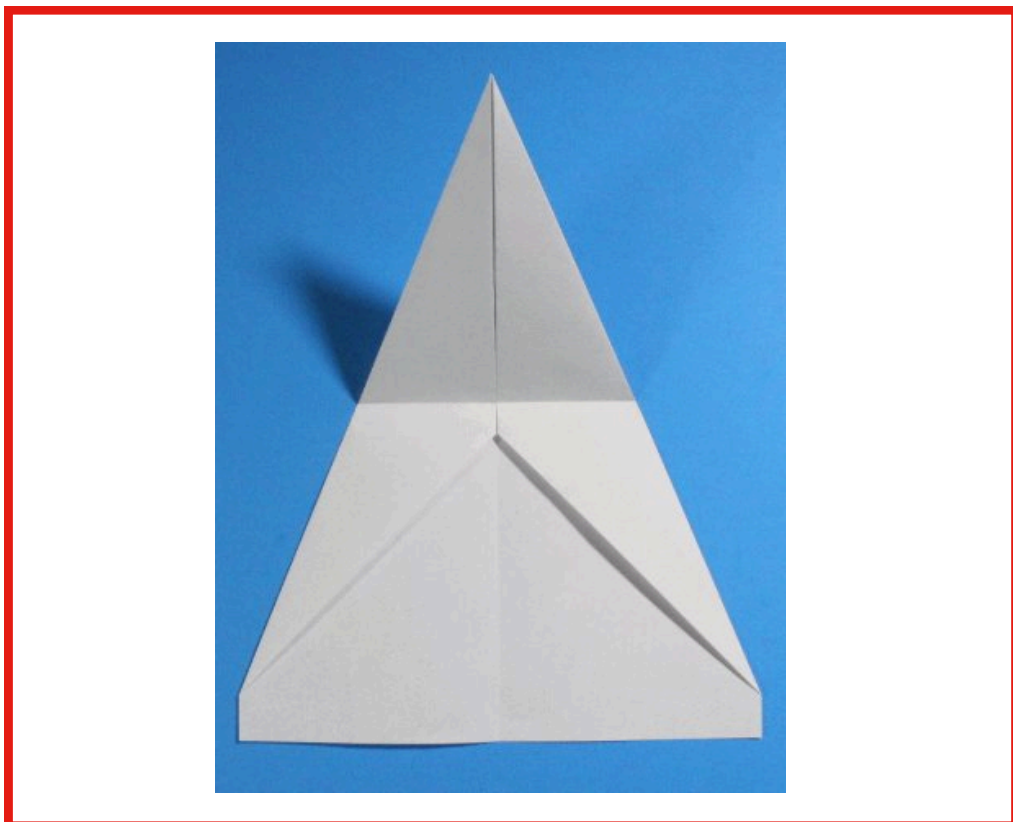


3. Unfold. Then fold the top two corners to the centre as shown.

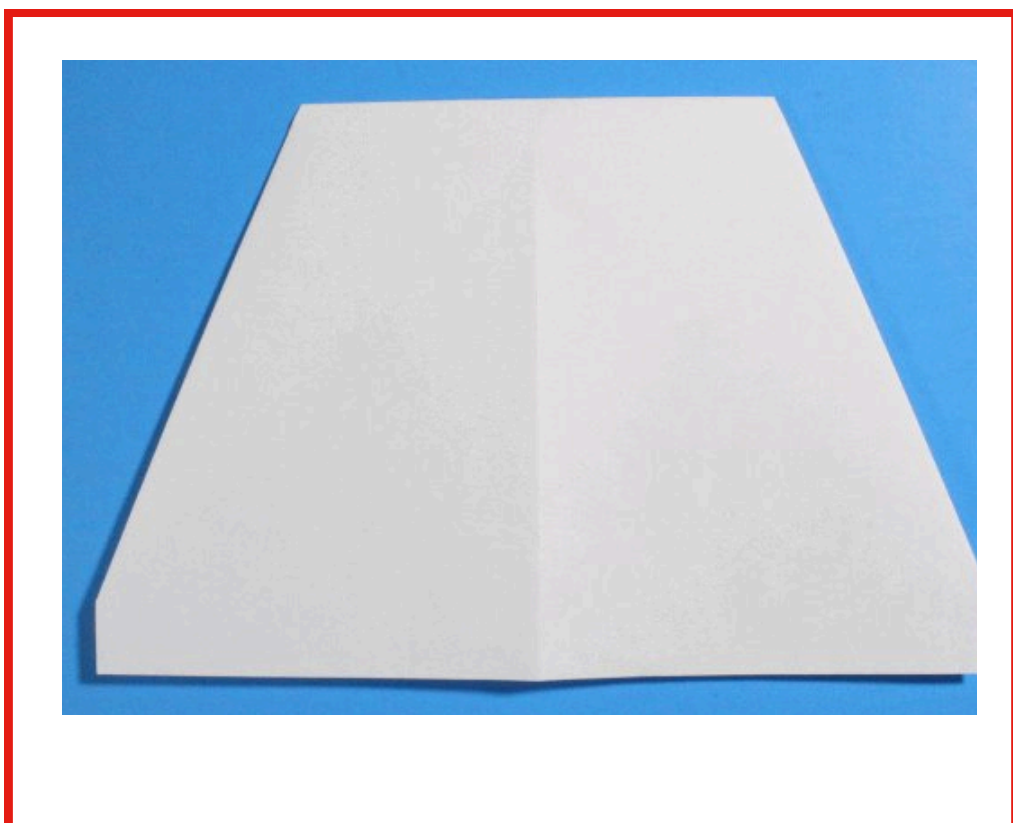




4. Fold the left and right diagonal edges to the centre.

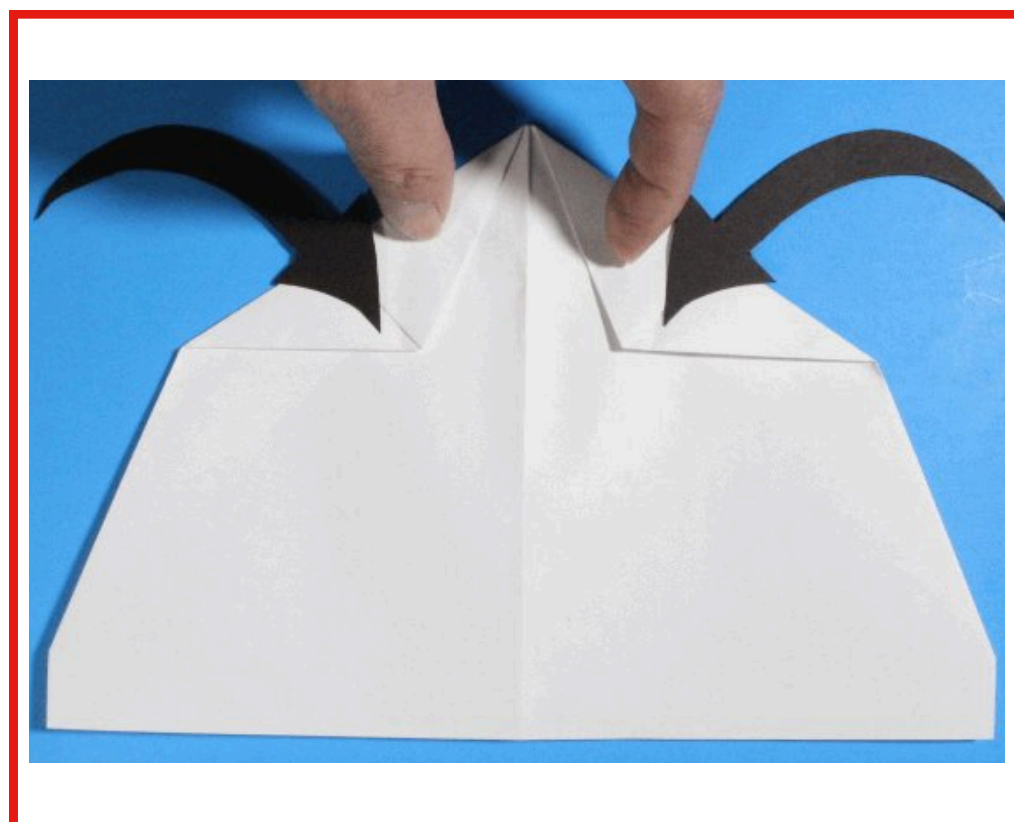


5. Fold the top point to the centre of the bottom edge.



6a. Turn the paper over. Fold the top two corners down so that the edge of the flaps are parallel to bottom edge

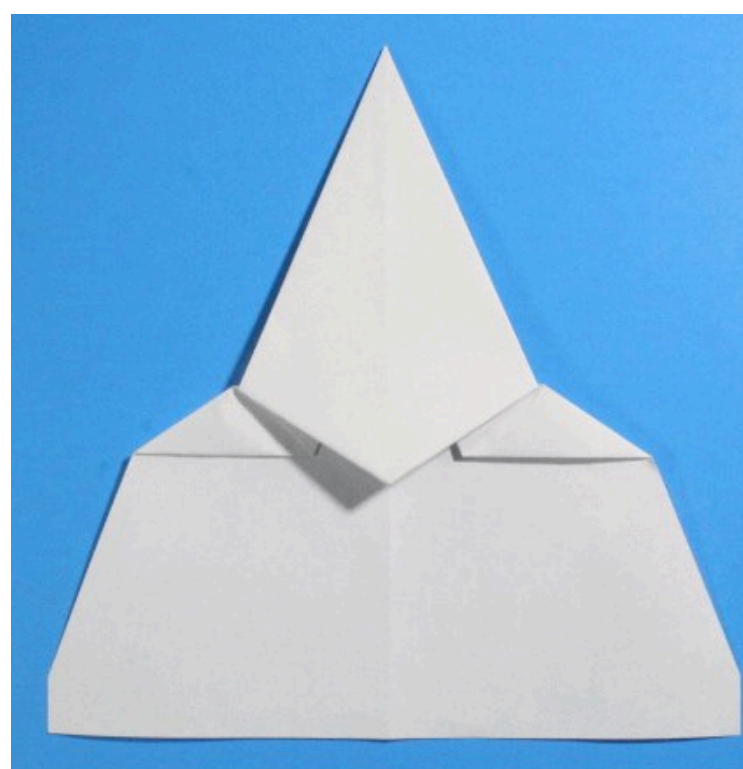




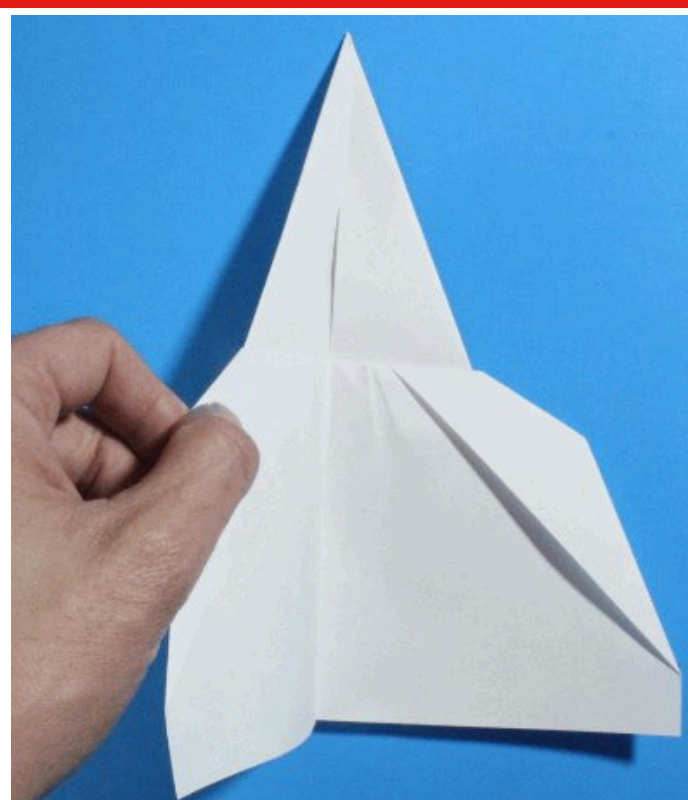
6b.



7. While folding the top part down, lift up the flap in the back.

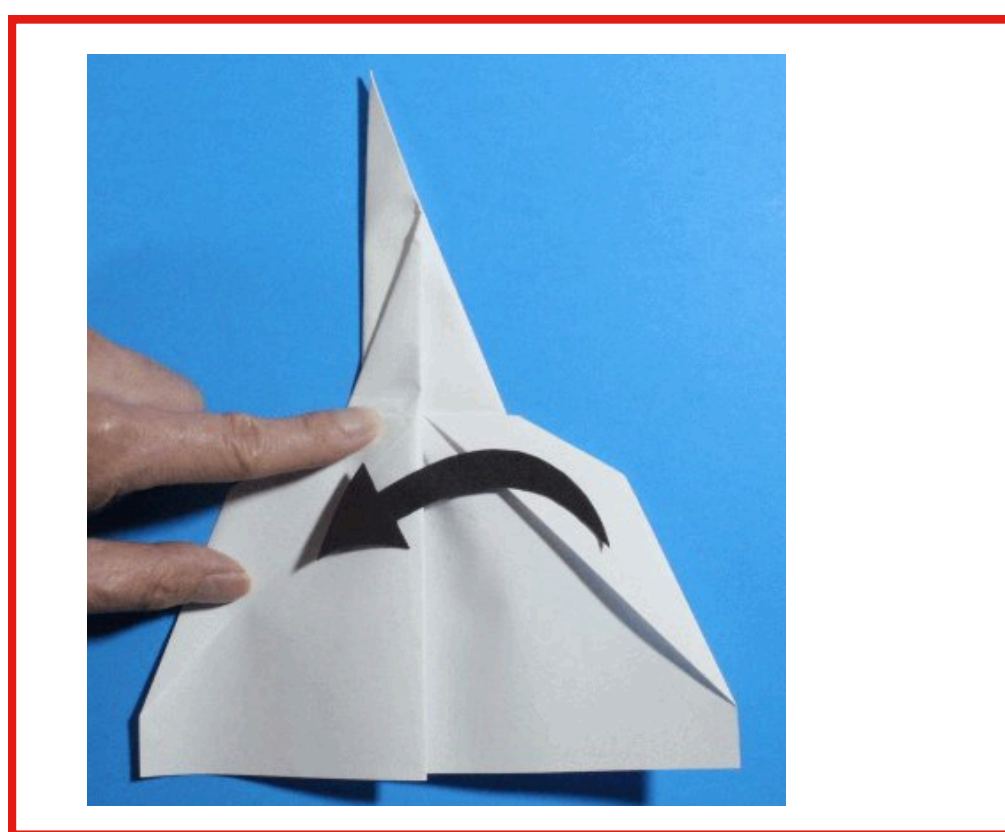
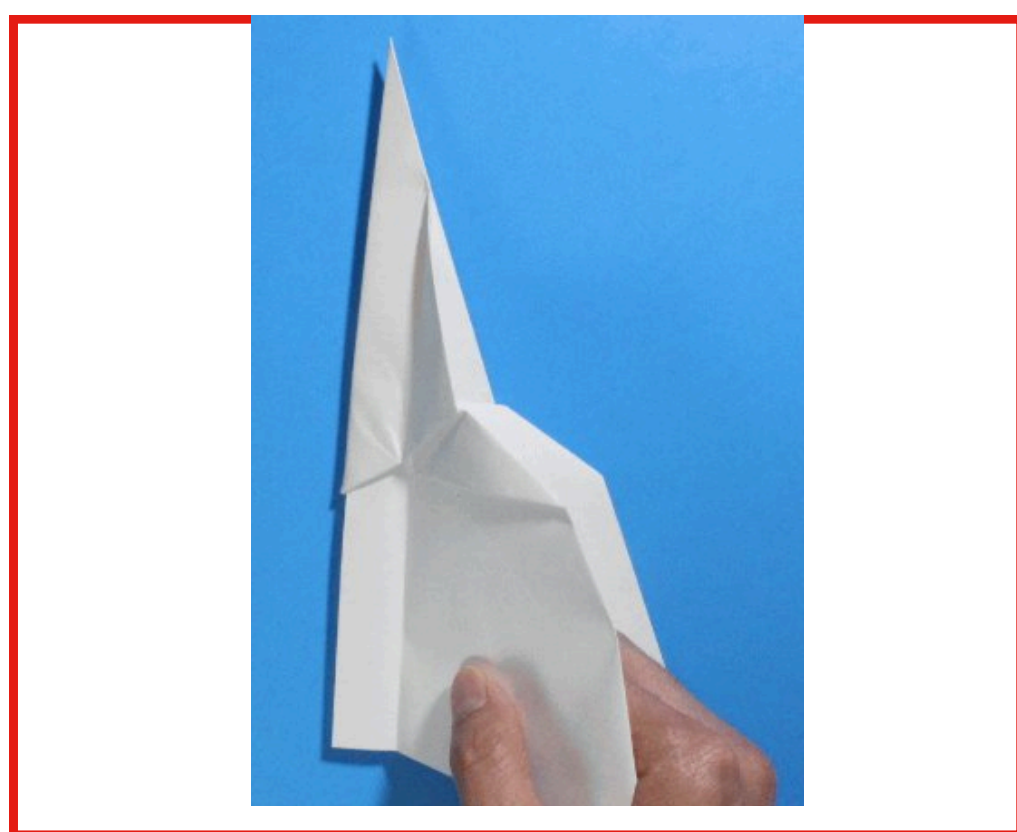


7a & 7b



8. Turn the paper over. Fold the left half to the right





9. Fold the wing as shown. Make sure the bottom edge lines up with the bottom edge.

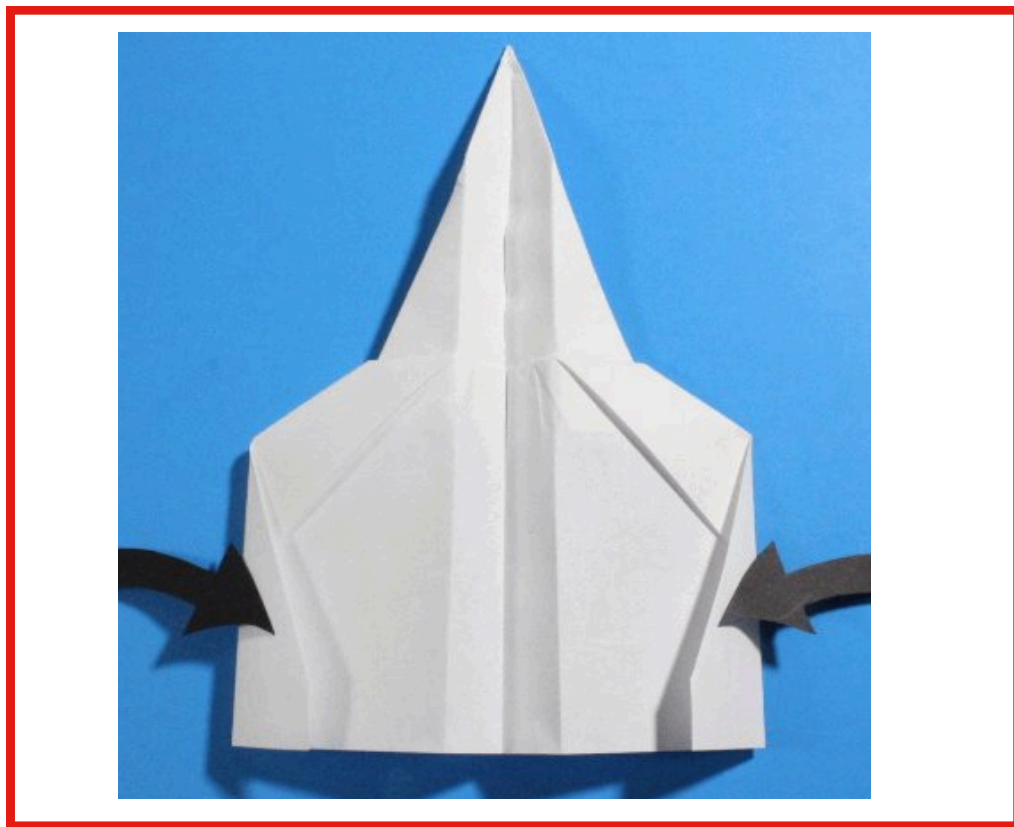


10. Turn the paper over. Fold this wing too. Make sure it lines up with the first wing.

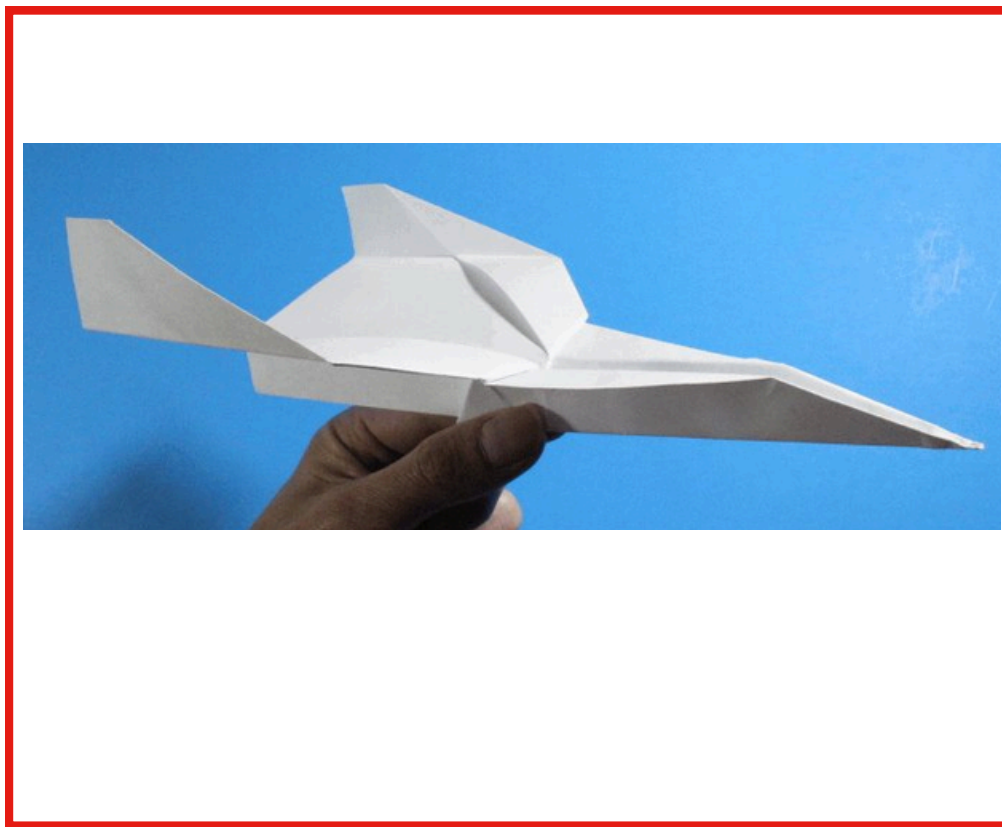


11a. Open up the wings. Turn over and fold in the fins of the wings. Begin at the top corner of the wings.





11 b.



12. Hold your plane in the middle.

13. Why not colour in your planes or save them for a flight competition later on.

