Start with a black square.

1. Fold the bottom edge to the top edge, then unfold.
2. Fold the bottom-right corner to the crease. The fold-line goes through the top-right corner.
3. Like this. Unfold step 2.
4. Rotate the paper ½ a turn.
5. Fold the bottom-right corner to the crease. The fold-line goes through the top-right corner. This fold will be parallel to the one made in step 2.
6. Fold using the crease from step 2.
7. Turn the paper over from top to bottom.
8. Fold the corner over.
9. Fold the bottom edge onto the left edge. The fold-line also aligns with the edge on the far layer.
10. Fold the bottom-right edge onto the top-right edge. Be careful to be as accurate as you can.

11. Fold the bottom edge onto the left edge.

12. Fold the triangle up.

13. Fold the small triangle over the top of the large triangle.


15. Use folds from steps 9 and 10 to bring the bottom-right corner to the circled point. The paper won’t lie flat from now on.

16. Use folds from steps 11, 12, and 13 to tuck the top-left corner into the pocket.
Start with a white rectangle.

1. Fold the short sides in so that they touch. They do not have to be exactly in the middle.

2. Fold the bottom edge to the top edge and unfold.

3. Fold the top and bottom edges to the crease you just made and unfold.

4. Fold the top edge to the bottom crease to create a triangle at the sides (see next image).

5. Tuck the bottom edge inside between the layers.

6. Pinch halfway along each edge of the left triangle. This will turn the triangle upside down.
Origami diamond

DIAMOND ASSEMBLY

1. Place a bond over the corner of a carbon atom.

2. Secure the bond to the carbon atom with three pieces of tape (one on each side).

3. Keep adding bonds and atoms in the same way to grow the diamond!