

Introduction



Origami is a form of art popular all around the world. It has been found to improve logical thinking, concentration, 3D perception, and help relieve stress for both adults and children. An integral part of their culture, Origami is taught in Japanese schools to stimulate students' creativity.

We would like to contribute to the endless Origami collection, and present you our **Paper Car Origami**.

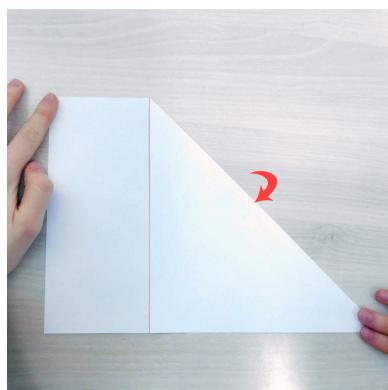
Required Materials:

- 4 sheets of A4 paper;
- Scissors;
- Glue;
- Ruler and pencil for measuring;

Part 1. Car body

Step 1. Grab your A4 paper sheet and place it on the desk horizontally.

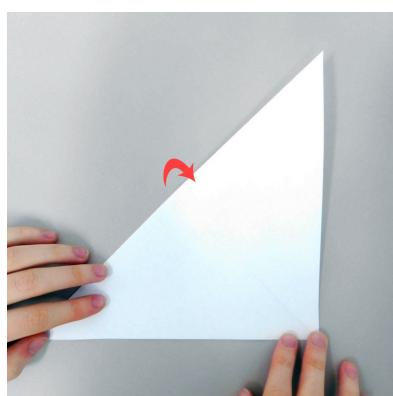
Step 2. Take an edge of the paper sheet and bring it down to the lower border of the paper sheet to form a triangle. Using your scissors, cut the highlighted line as shown in the picture.



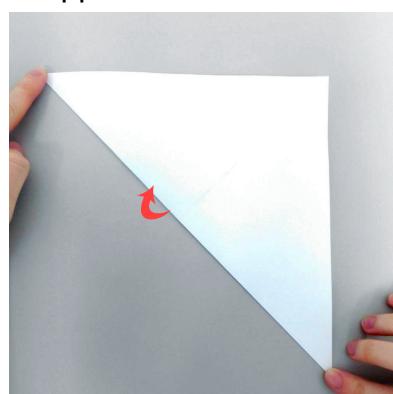
Step 3. Unfold the resulting triangle. You now have a square sheet of paper that will form a basis for the car body.



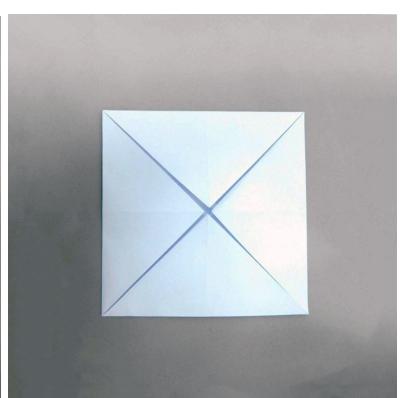
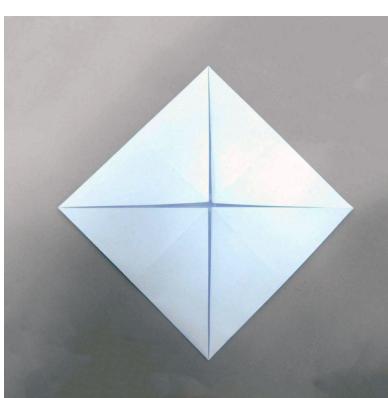
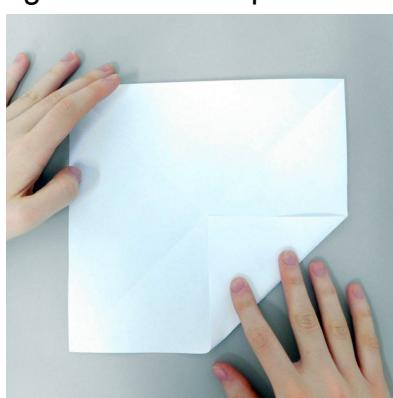
Step 4. Grab the opposite edge of the paper sheet and fold it diagonally to create a triangle.



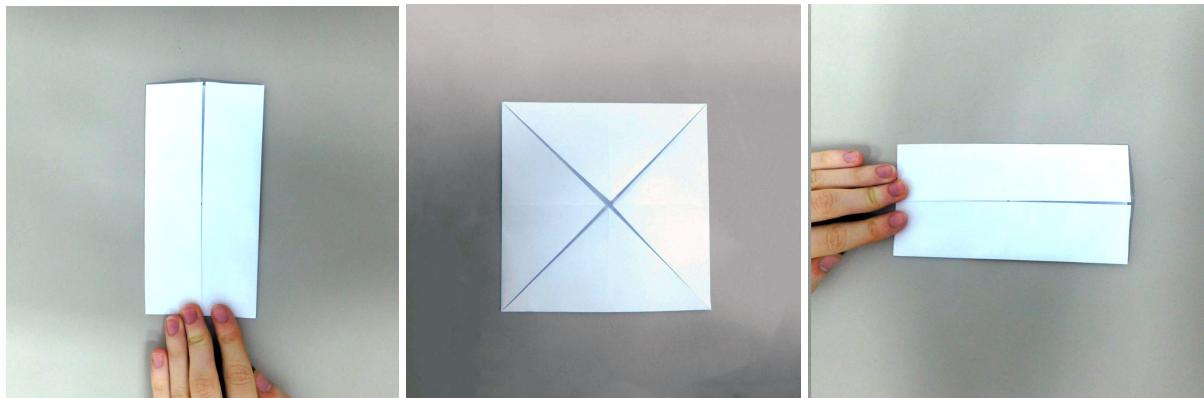
Step 5. Repeat the step with the opposite side.



Step 6. Unfold and bring each corner of the paper sheet to the center of the square. Unfold and bring each corner of the paper sheet to the center of the square. Rotate the image to horizontal position.

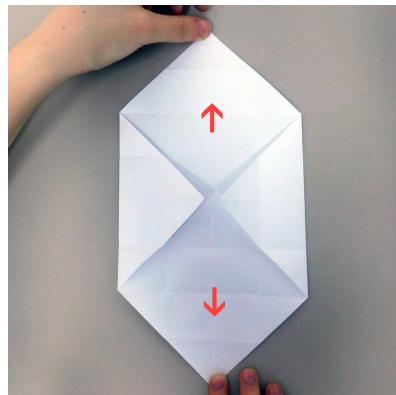


Step 7. Bring the top and bottom side of the resulting square to the center line. Unfold and repeat the step with the right and left sides.

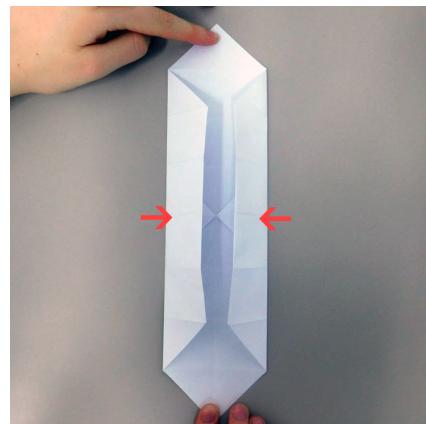


Step 8. Bring the paper back to the square shape.

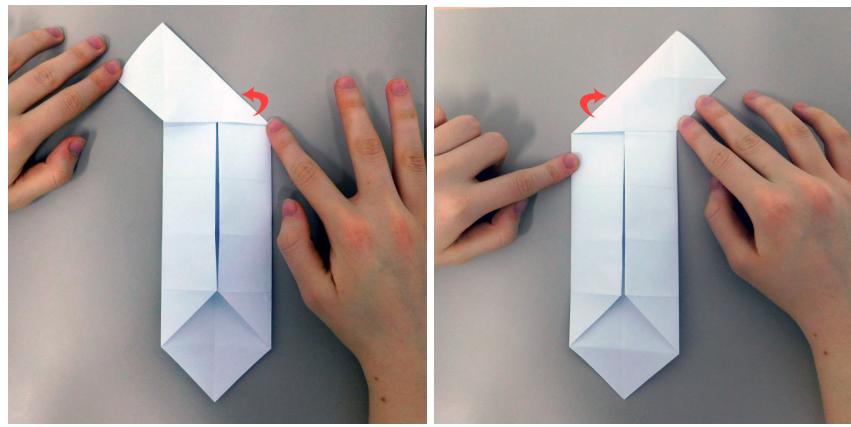
Step 9. Unfold the top and bottom triangles. Your paper sheet should have the following structure:



Step 10. Similarly to step 7, bring the right and left sides of the shape to the center line. Press them with your fingers.

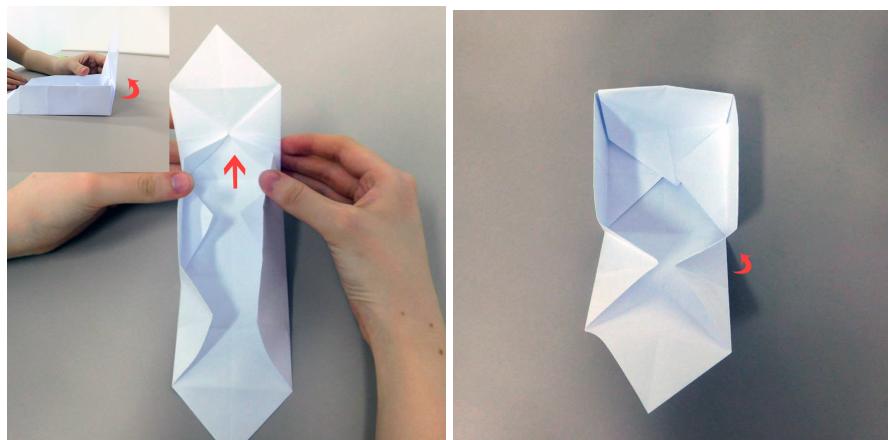


Step 11. Take the top edge and turn it to the left and right side so that it is perpendicular to the vertical axis.

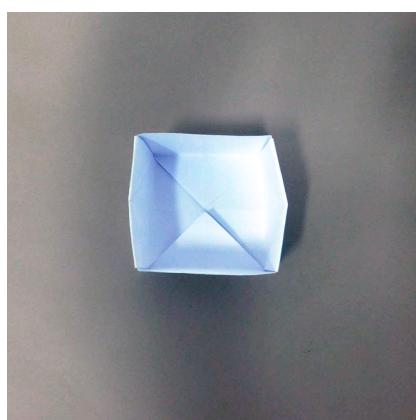


Step 12. Repeat the step with the bottom edge.

Step 13. Unfold the right and left “sides” of the paper so that they form two walls. Raise the top edge and tuck it inside the walls under the two triangles. Do the same with the bottom edge.



Step 14. Now you have your first block for the body car, which looks like an open box. For our paper car, you will need **3** such boxes.

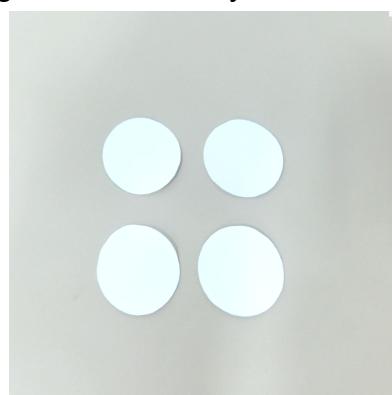


Step 15. Once you have three boxes, place two of them on the desk next to each other and glue them together. Place the third one on the top.

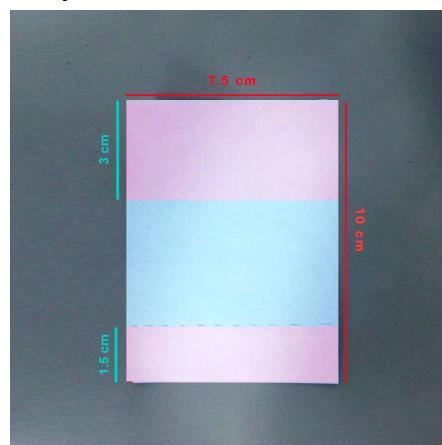


Part 2. Wheels and windshield

Step 1. Grab another sheet of paper and cut out **12** small circles. You can draw the circles with a coin, the lid of your glue, or anything with a round shape, as long as the resulting circles are not too big for the car body.



Step 2. For each wheel, glue together **three** paper circles, so that they are solid and thick enough to hold the car body.



Step 3. Out of the remaining paper, cut out a 7.5cm x 10cm rectangle. Fold the highlighted parts and add glue to it.

Part 3. Assemble!

Step 1. Take the rectangle (from the image above) and use it to connect the bottom and top parts of your car body. Glue the larger part to the top box and the smaller part to the bottom box of your car.

Step 2. Glue the wheels to the bottom boxes.

And... Finished!

Now you have a paper car! You can paint it, add decorations, write on it, or experiment with the blocks to customize your origami.

