

BOX WITH SIDE OPENING

Designed by Marcia Joy Miller

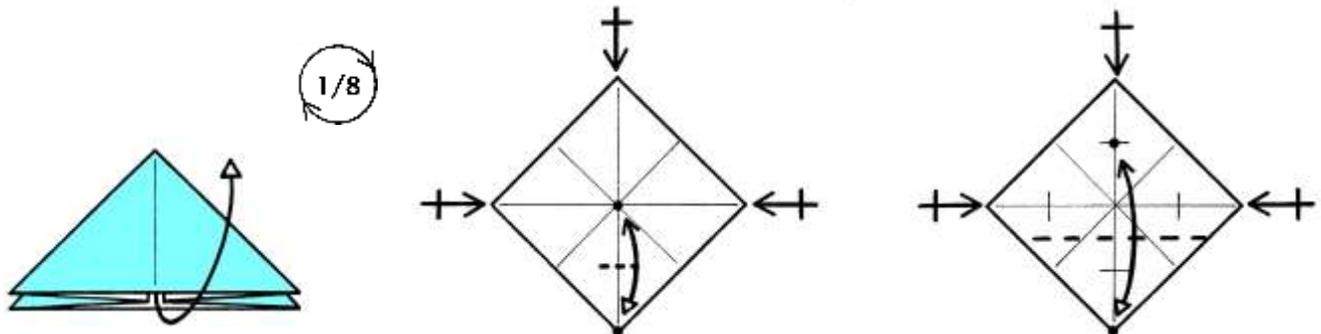
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Box with Side Opening has a practical use for folders because it stores small-size origami paper. It also makes a nice gift box—especially when made from fancy paper.

PAPER: Fold your first model from a 10 inch square of origami paper. A 10 inch square of paper will make a box that will hold many sheets of 1½ inch origami paper. A box folded from a 14 inch square will store 2 inch paper. For a box that stores 3 inch paper, make the box from a 19½ inch to 20 inch square of paper that is the thickness of heavyweight bond. An especially attractive box can be created from a sturdy decorative art paper.



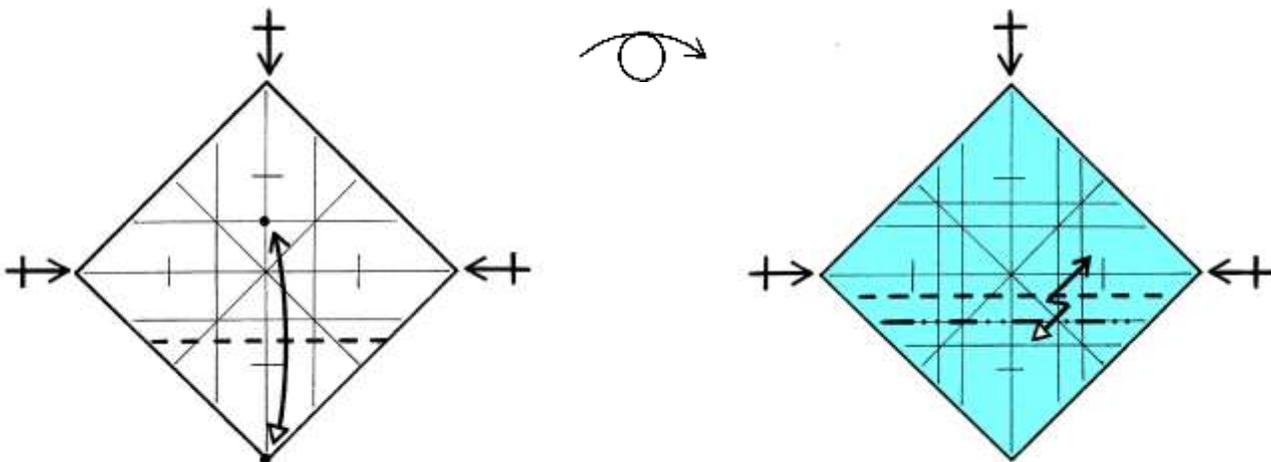
Make all folds and creases sharp.



1. Start with a completed Waterbomb Base. Open the model completely and rotate it 1/8 turn clockwise.

2. Create a landmark by bringing the bottom corner to the center and making a short fold. Unfold. Repeat the procedure for the other three corners.

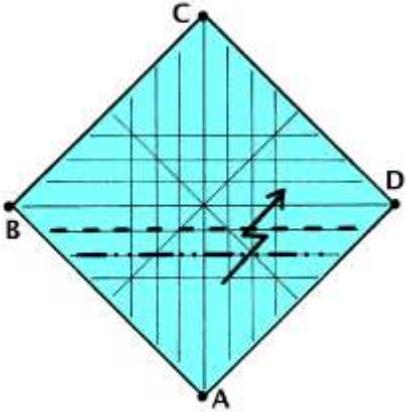
3. Fold the bottom corner to the furthest landmark. Unfold. Repeat the procedure for the other three corners.



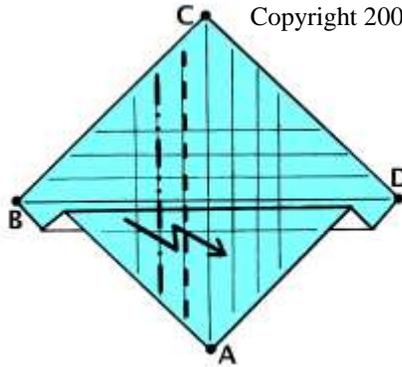
4. Fold the bottom corner to the first crease located above the center crease. Unfold. Repeat the procedure for the other three corners taking care to match each corner to the correct crease before making the fold. Turn the model over from side to side.

5. Make a pleat fold using the existing crease for the mountain fold. Unfold. Repeat the procedure on the other three sections.

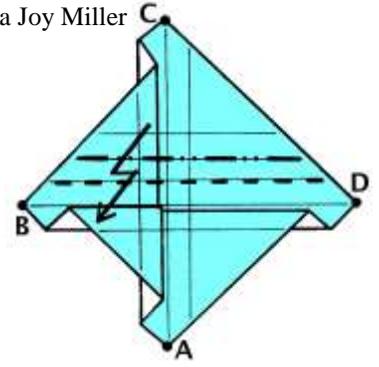
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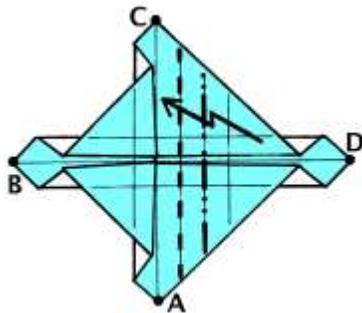
6. Make the pleat fold using the existing creases. For this and the remaining steps, take care to keep the orientation of the model as illustrated.



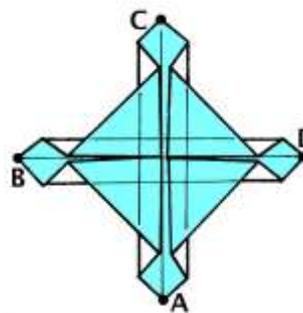
7. Make the pleat fold using the existing creases.



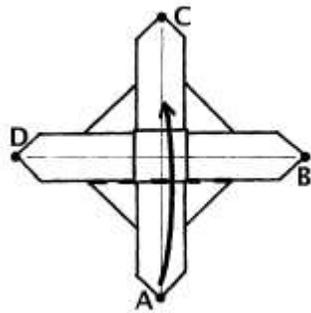
8. Make the pleat fold using the existing creases.



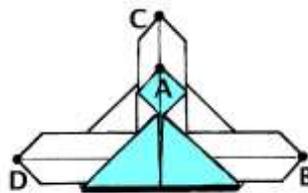
9. Make the pleat fold using the existing creases.



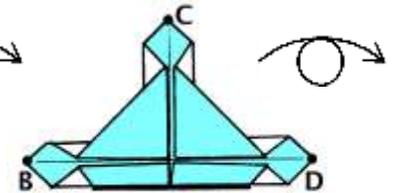
10. Observe that **D** is located on the corner of the section of the model that is adjacent to the last pleat that you folded. If you pull on **D** a little you will find that this pleat is not wrapped up in the other pleats. It is the only pleat that is loose. Turn the model over from side to side.



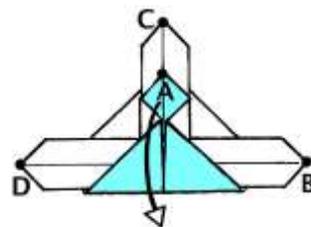
11. Fold on the existing crease.



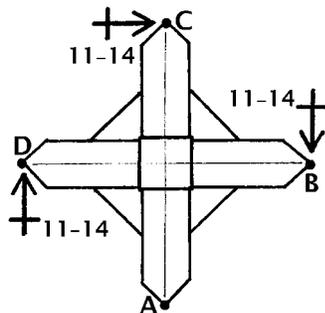
12. Sharpen the fold indicated by the bold line. Turn the model over from side to side.



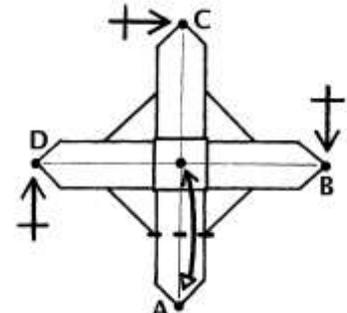
13. Sharpen the fold indicated by the bold line. Turn the model over from side to side.



14. Open the bottom fold.

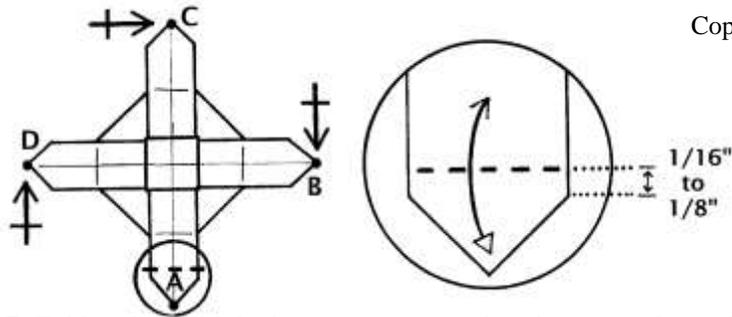


15. Repeat steps 11–14 for the other three corners.

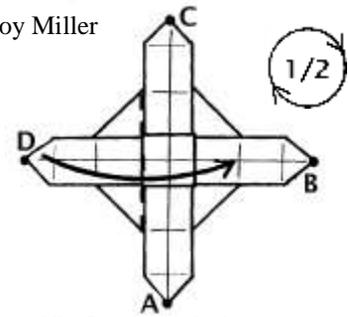


16. Fold the bottom corner to the center. Unfold. Repeat the procedure with the other three corners.

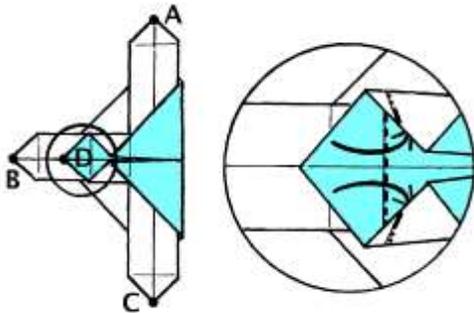
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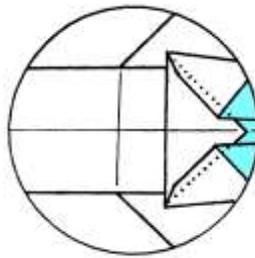
17. Fold and unfold the bottom corner so that the crease formed is located $1/16''$ to $1/8''$ above the triangular shaped tab. (If you are folding with paper that is thicker than origami paper, increase this distance slightly.) The details of this fold are shown by the magnified view above. Repeat the procedure with the other three corners.



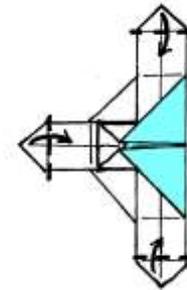
18. On the existing crease, fold **D** (which is the corner next to the loose pleat) to the right. Rotate the model $1/2$ turn clockwise.



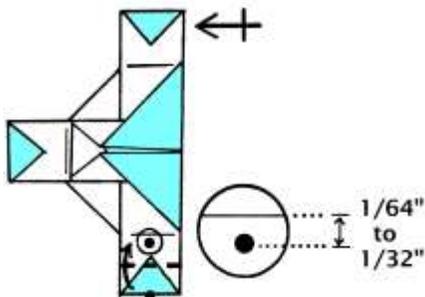
19. Fold the flap under the pleat (using existing creases) as shown by the magnified view above.



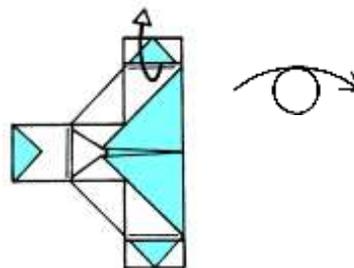
20. This illustration shows the result of the last step.



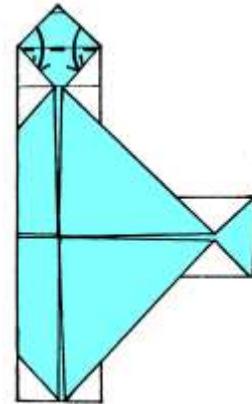
21. Make the three indicated folds on the existing creases.



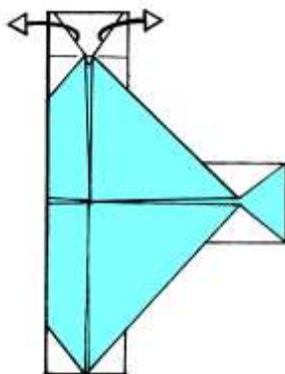
22. Fold the bottom edge up so that it lies a little below the existing crease. (If you are folding with paper that is thicker than origami paper, increase this distance slightly.) Repeat the fold with the top edge only.



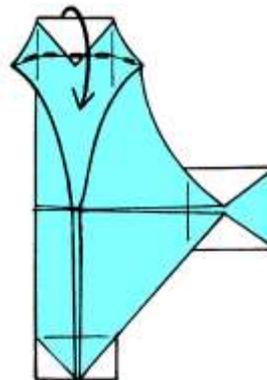
23. Unfold the top of the flap. Turn the model over from side to side.



24. Fold the flap under the pleats. This fold is similar to the one made in step 19.

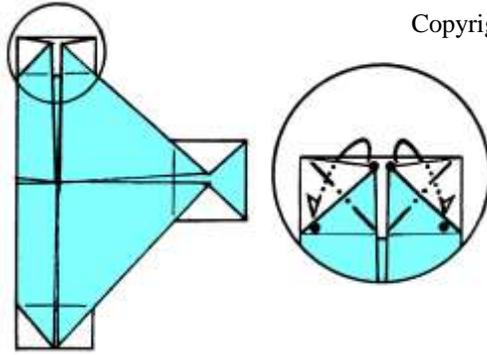


25. Open up the two pleats a little at the top.

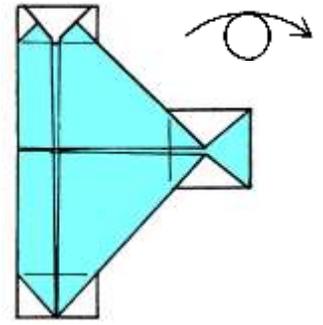


26. Fold on the existing crease and then close the pleats.

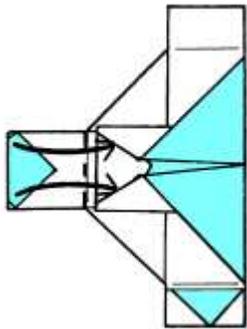
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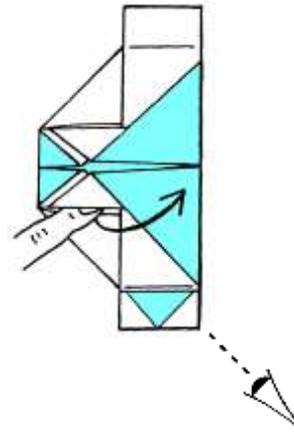
27. Mountain-fold each flap so that the bottom edge of each new inside flap will lie just above the crease. See the magnified view above for detail.



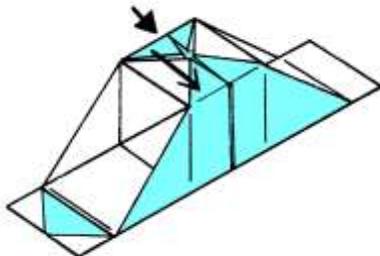
28. Turn the model over from side to side.



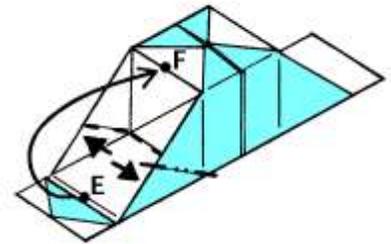
29. Insert the left flap inside the pleats as far as possible so that the model remains flat. The left edge of the flap will protrude from the right flap a small amount.



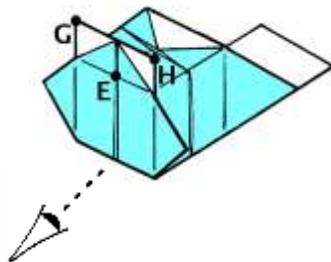
30. Place your finger between the folded edges. Pull the portion that is on top of your finger up and to the right—making the model three-dimensional. The next view will be from the bottom right of the model.



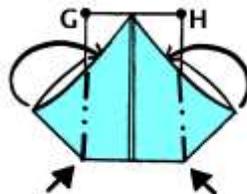
31. Tap the protruding portion that resulted from step 29 further into the model so that it no longer protrudes. The sides of the model are almost perpendicular to the bottom. Adjust the model so the sides will be perpendicular by pushing on the indicated side.



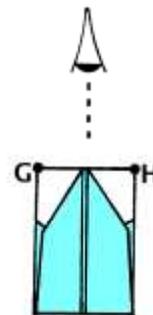
32. Move the flap towards the open part of the model so that **E** meets **F** and the side flaps are pushed outside the model.



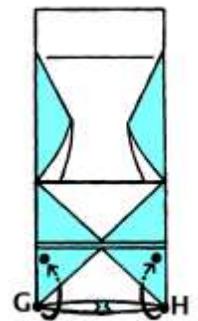
33. The next view is from the bottom left of the model.



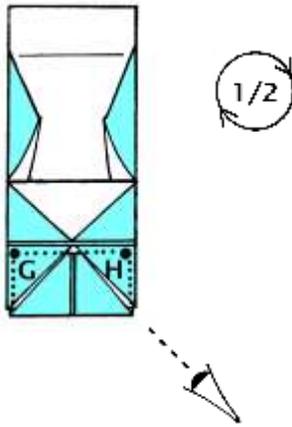
34. Inside-reverse-fold the right flap into the right front pocket and the left flap into the left front pocket.



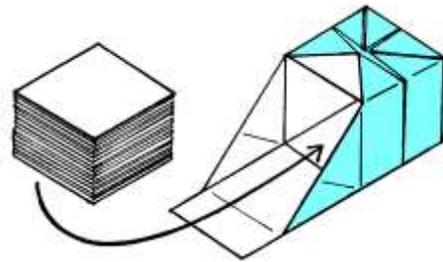
35. The next view is from the top of the model.



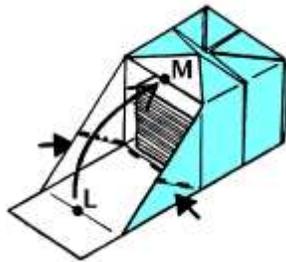
36. Tuck the corners of the protruding flap into the pockets.



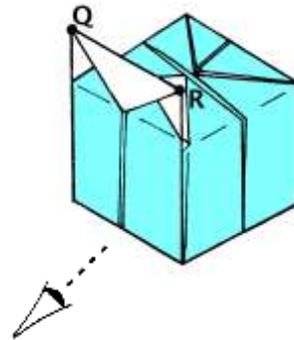
37. Rotate the model 1/2 turn clockwise. The next view is from the bottom right of the model.



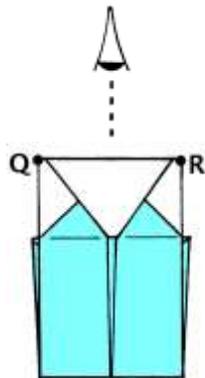
38. If you like, place a stack of 1 1/2" origami paper inside the box. (If it is a new package of paper, then remove the wrapping material first.)



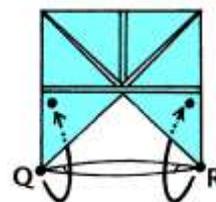
39. Begin closing the box by bringing **L** toward **M** while pushing the side flaps into the box.



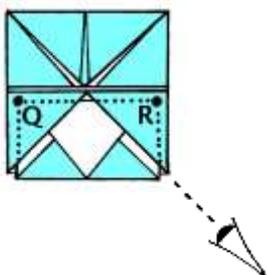
40. The next view is from the bottom left of the model.



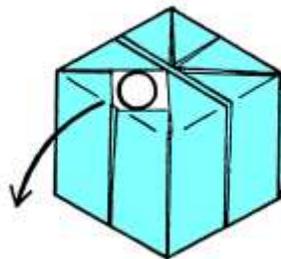
41. The next view is from above.



42. Finish closing the box by tucking the corners of the protruding flap into the pockets.



43. The next view is from the bottom right of the model.



44. Open the box by placing your thumb on the white diamond (located on top of the box) and sliding the flap out of the pockets.