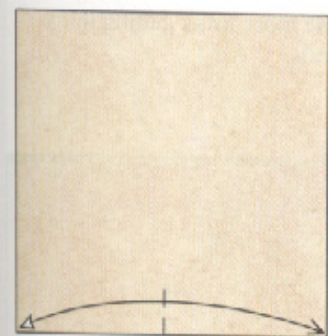


Western Pond Turtle

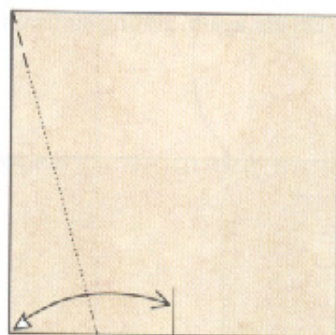


There are three ways to get the reference points and guidelines for this model, depending on your desire for folding purity and tolerance of leftover creases on the paper:

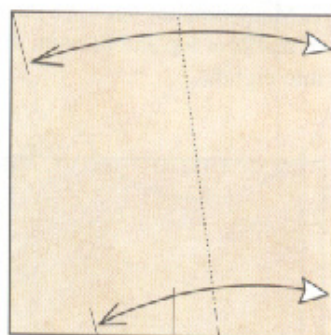
1. Folding only — follow all steps as instructed.
2. Marking and folding — follow steps 1–13; draw lines instead of making creases in steps 14–20; continue folding from step 21.
3. Measuring, marking, and folding — divide the top edge into 39ths and the bottom edge into 78ths; jump to step 14; draw lines instead of creases in steps 14–20; continue folding from step 21.



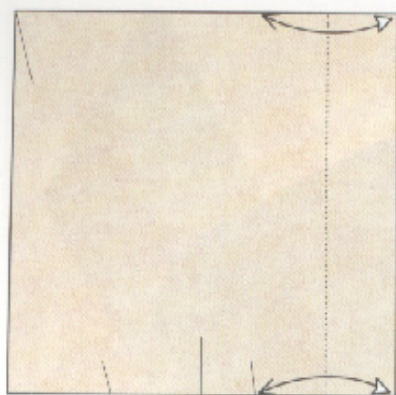
1. Begin with a square, white side up. Make a pinch along the bottom edge extending about 1/10 of the way up.



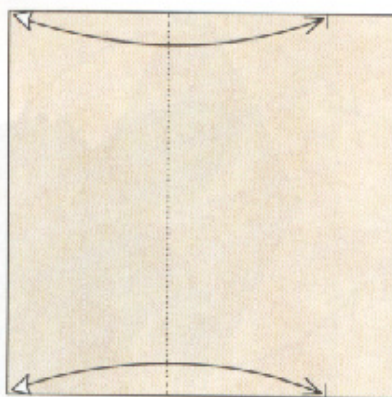
2. Fold the bottom corner over to the mark, pinch at top and bottom, and unfold.



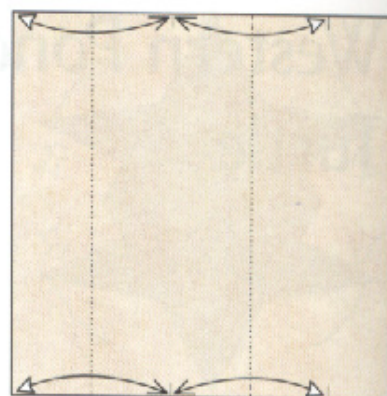
3. Fold the right edge over to the two pinches you just made; make a pinch along the bottom and unfold.



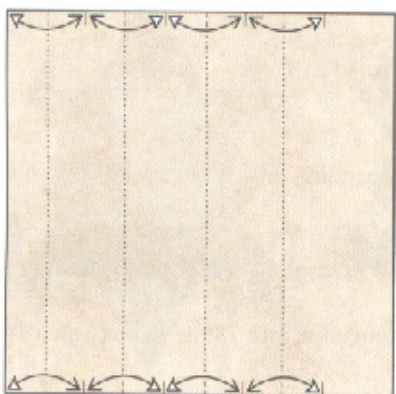
4. Fold the right edge over so that the corner hits the mark you just made; pinch at top and bottom and unfold.



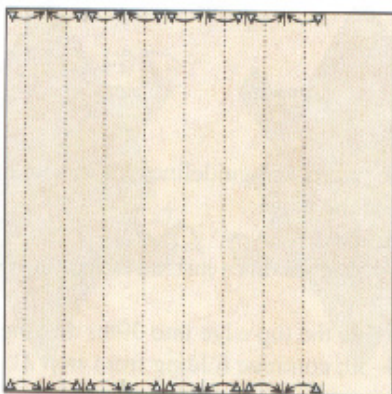
5. Fold the left two corners over to the mark you just made; pinch at top and bottom and unfold. This divides in half the distance between the corner and mark.



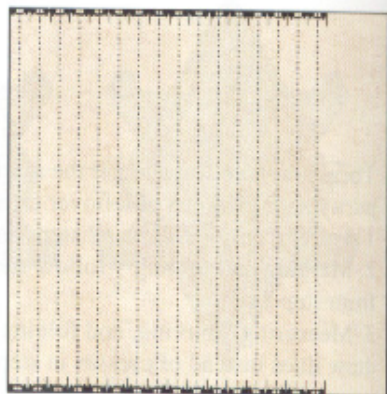
6. Make pinches between the pairs of marks at top and bottom, dividing into quarters.



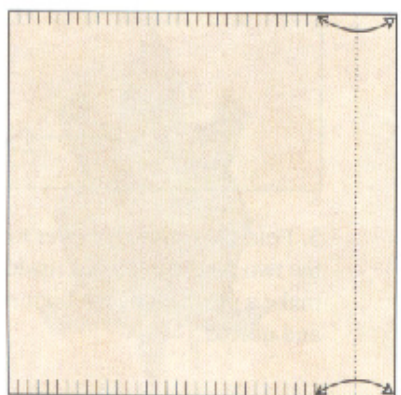
7. Make pinches between the pairs of marks at top and bottom, dividing into eighths.



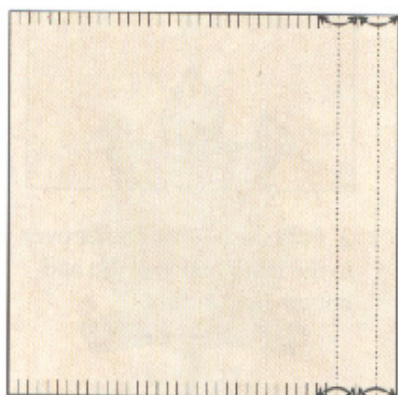
8. Divide again, getting sixteenths.



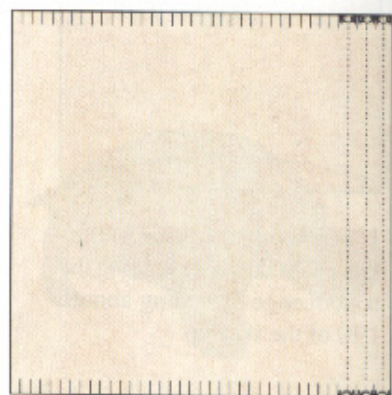
9. One more time, getting thirty-seconds.



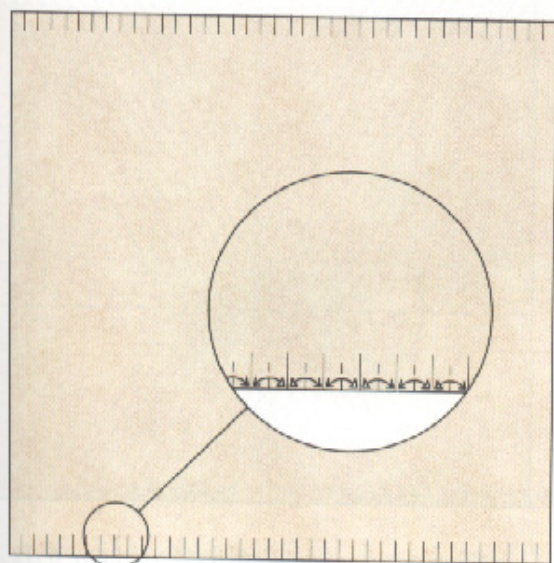
10. Fold the right corners to the last-but-one mark, pinch, and unfold.



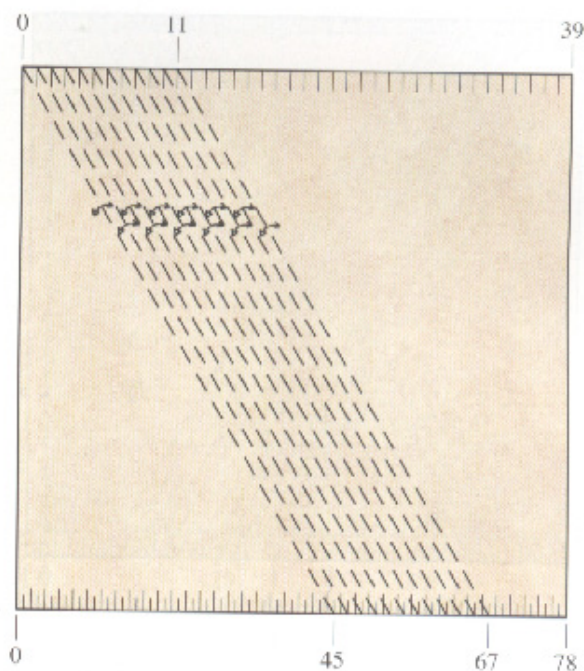
11. Divide the distance into quarters.



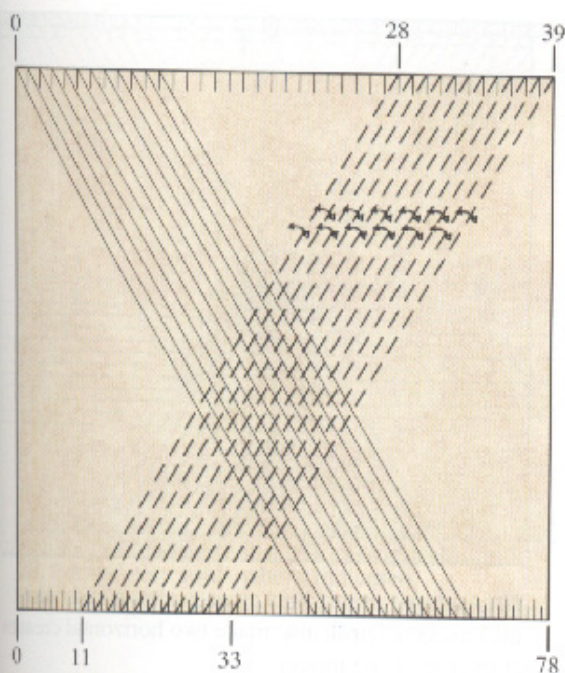
12. Divide each of the three gaps in half. When you are done, you will have divided the top and bottom edges into 39 equal divisions.



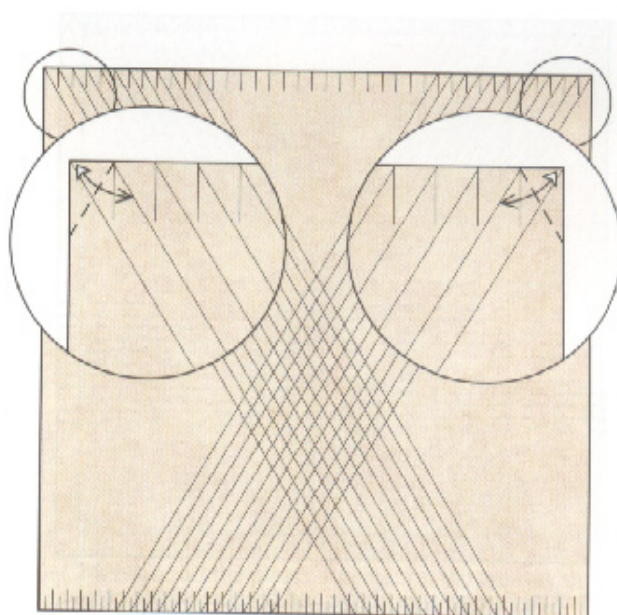
13. Divide each of the gaps along the bottom edge in half.



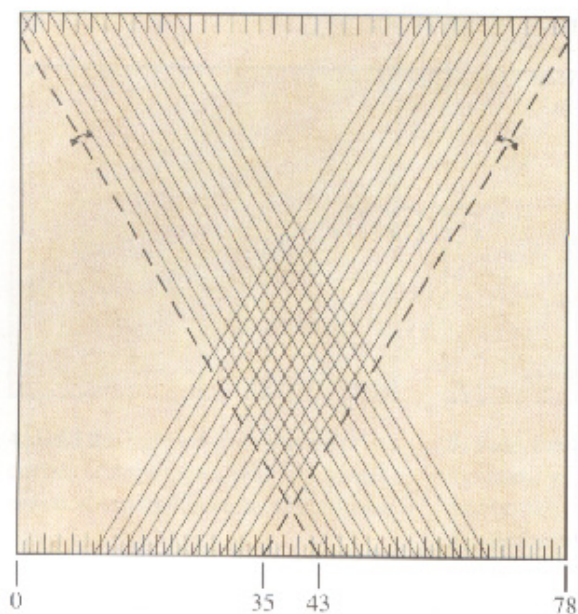
14. The top is divided into 39ths; the bottom is divided into 78ths. Number the divisions from the left. Make 12 creases that connect top-0 with bottom-45, top-1 with bottom-47, and so forth, up to top-11 with bottom-67.



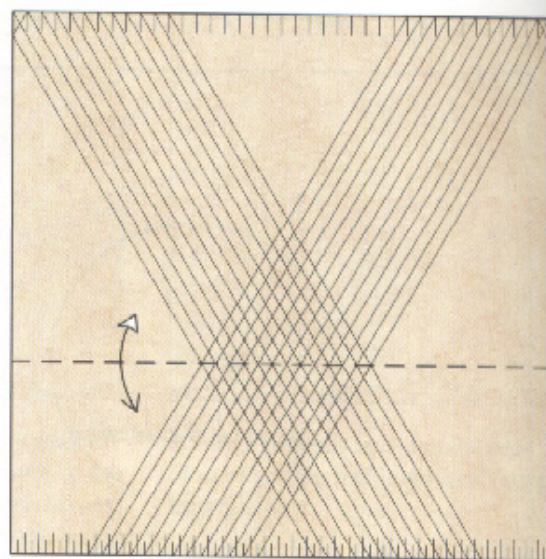
15. Do the same thing going the other direction.



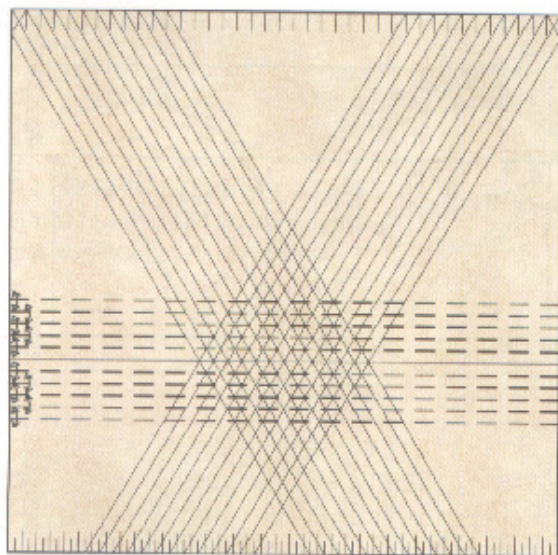
16. Fold each top corner down so that its edge lies along one of the creases and unfold.



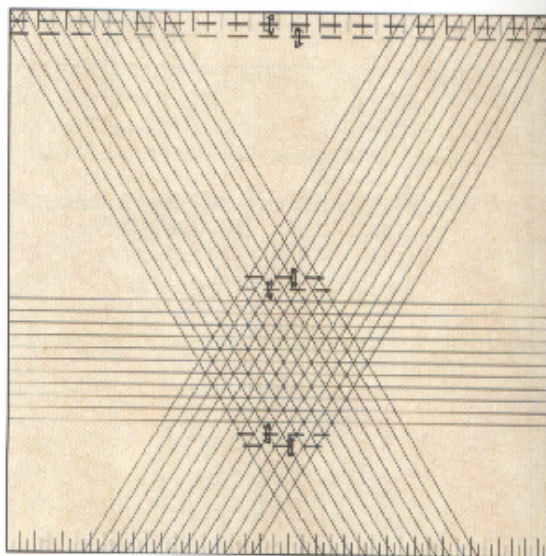
17. Add a crease connecting bottom divisions 35 and 43 with the points where the creases you just made hit the side edges.



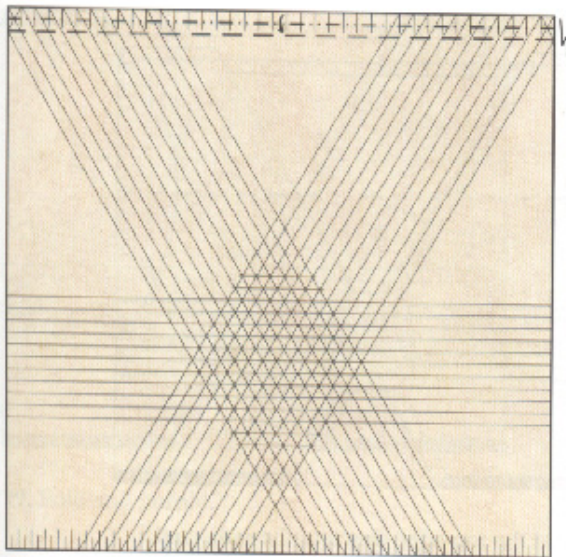
18. Make a crease that runs horizontally through the middle of the "X" formed by the creases.



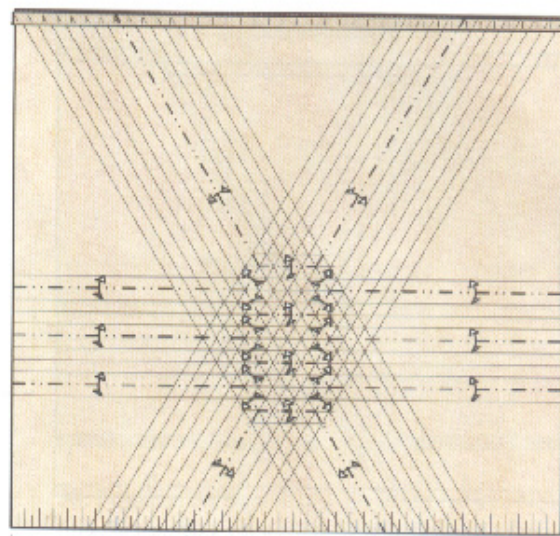
19. Add five creases above and five below the crease you just made, all going through intersections of the grid.



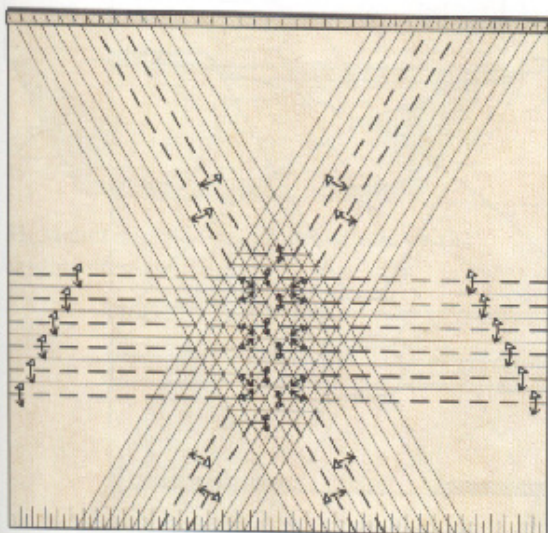
20. Add two more short creases above and below the hexagonal grid; also make two horizontal creases at the top of the model.



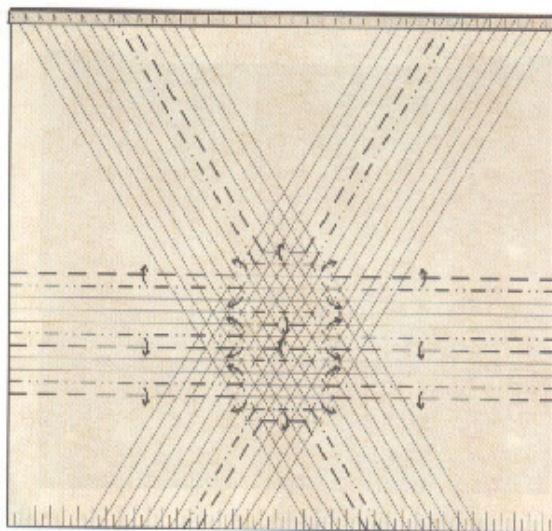
21. If you have been drawing the reference lines rather than folding them, now is the time to start folding. Pleat the top of the paper on the existing creases.



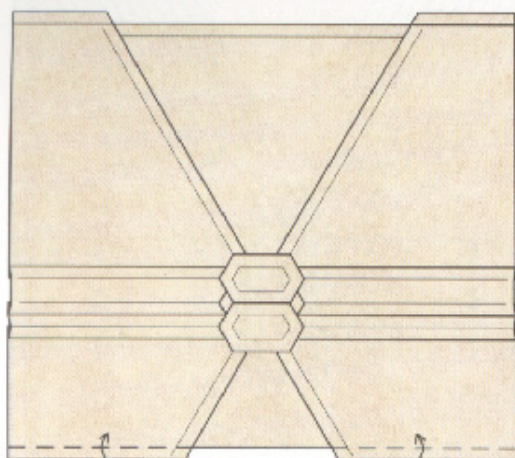
22. Form mountain folds where indicated.



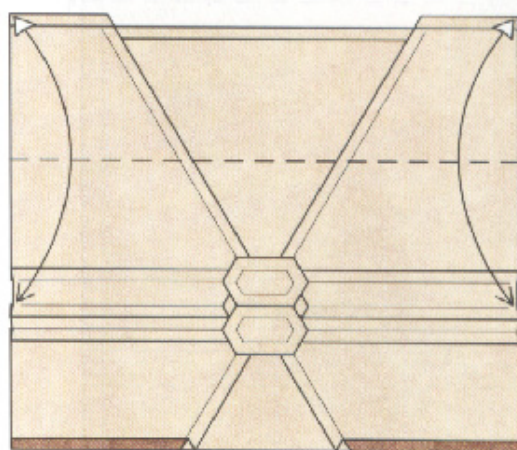
23. Form valley folds where indicated.



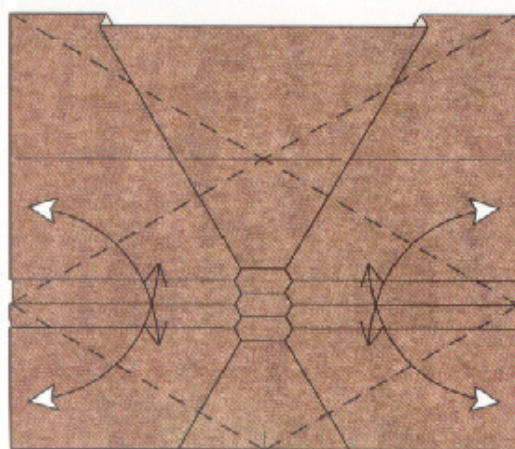
24. Make all the pleats together on the creases shown and flatten the paper completely.



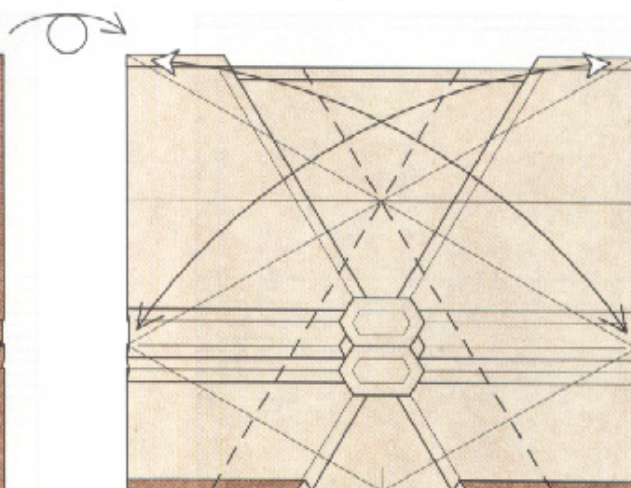
25. Fold the bottom edge of the left and right sides upward so that it runs straight across.



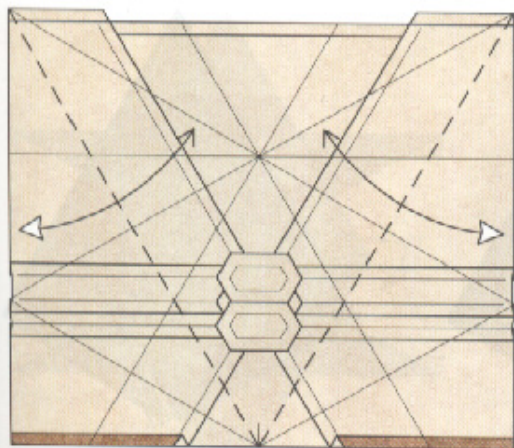
26. Fold the top edge down to the indicated points; crease all the way across and unfold. Turn the paper over.



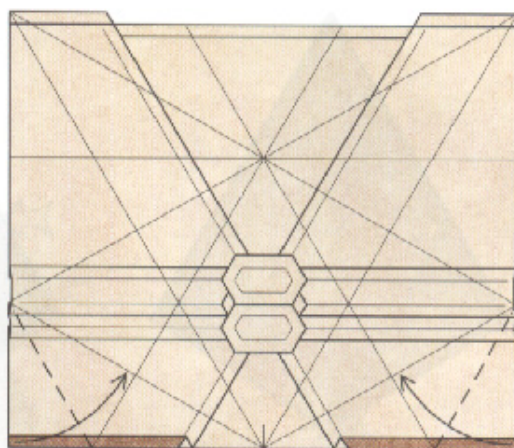
27. Fold and unfold through all layers. Turn the paper back over.



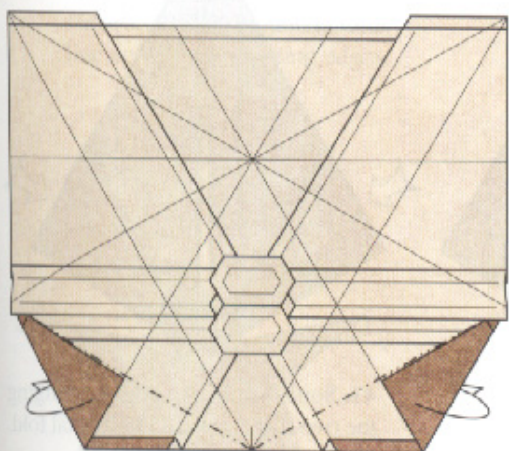
28. Fold and unfold.



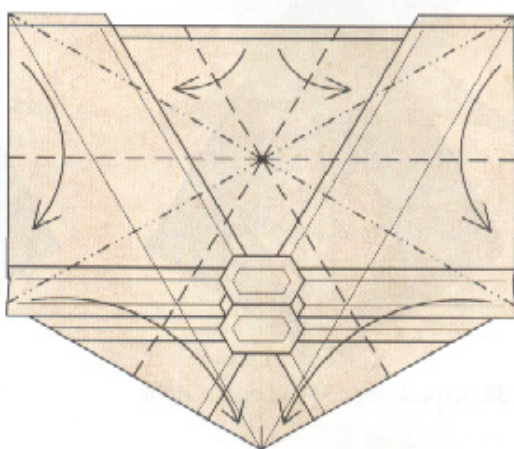
29. Fold and unfold.



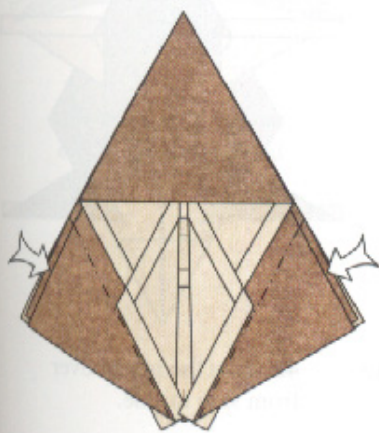
30. Fold the corners to the existing creases. Note that the creases go underneath the pleats at their upper ends.



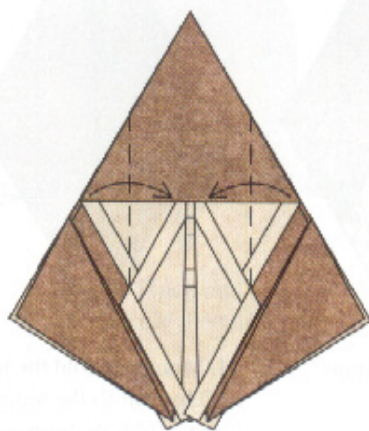
31. Mountain-fold the corners behind on the existing creases.



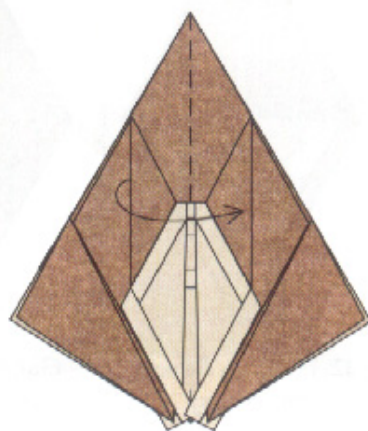
32. Bring all corners together at the bottom of the model.



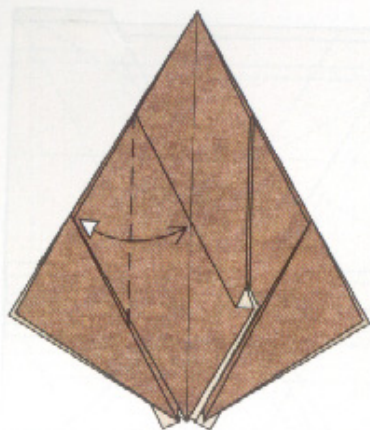
33. Reverse-fold two edges in to the center line.



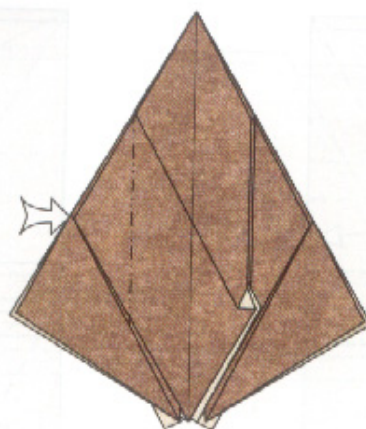
34. Fold two corners inward so that their edges align with existing folded edges.



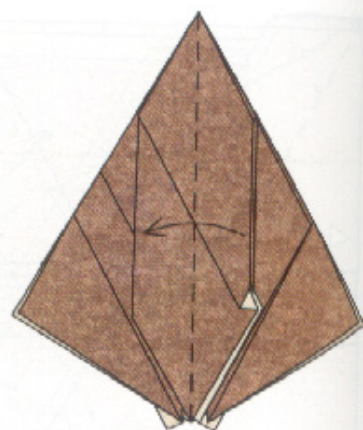
35. Fold one layer to the right.



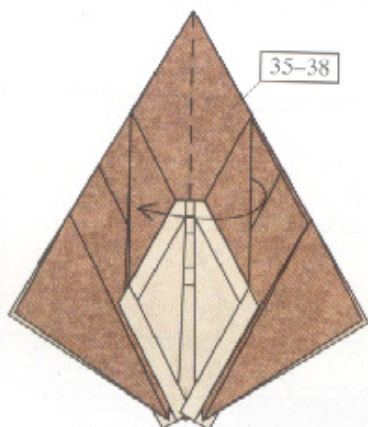
36. Fold one corner in to the center line and unfold.



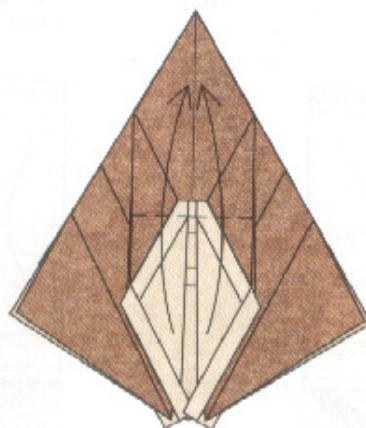
37. Sink the corner.



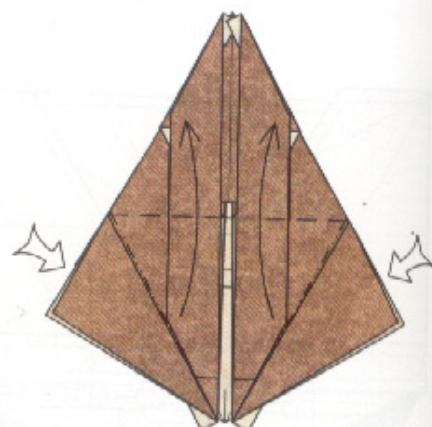
38. Fold the layer back to the left.



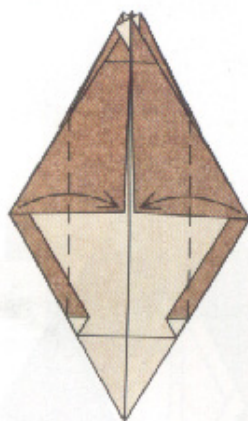
39. Repeat steps 35-38 on the right.



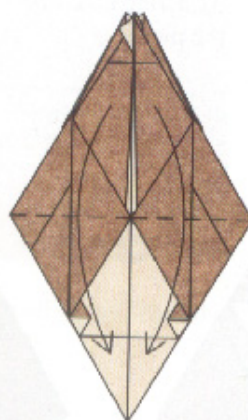
40. Fold two flaps up.



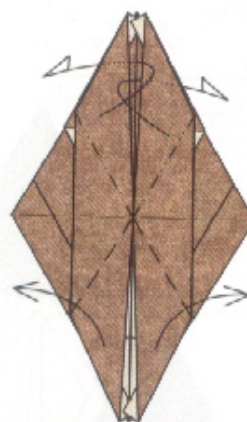
41. Squash-fold two edges, swinging the two flaps upward like a petal fold.



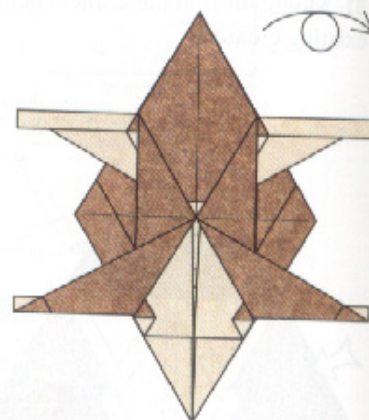
42. Fold two corners in to the center.



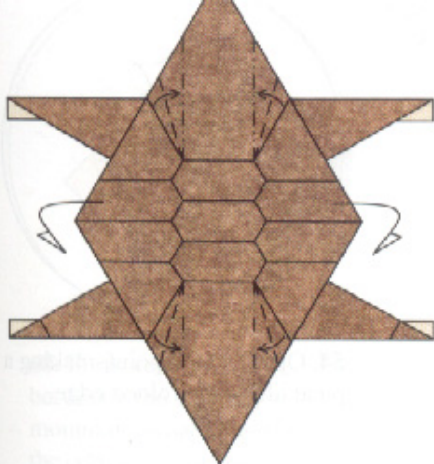
43. Fold two flaps back down.



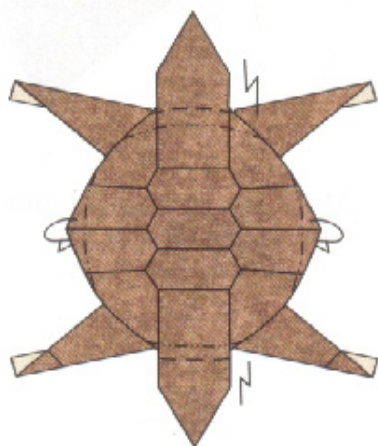
44. Mountain-fold the top pair of flaps out to the sides. Valley-fold the bottom pair. You shouldn't make either fold sharp because you will adjust these folds later.



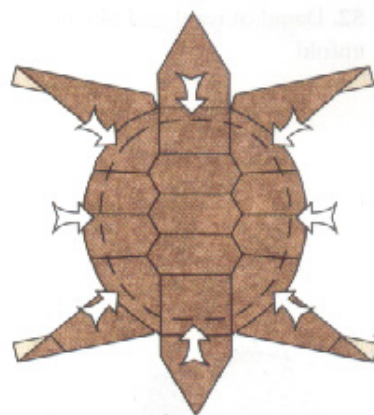
45. Turn the model over from side to side.



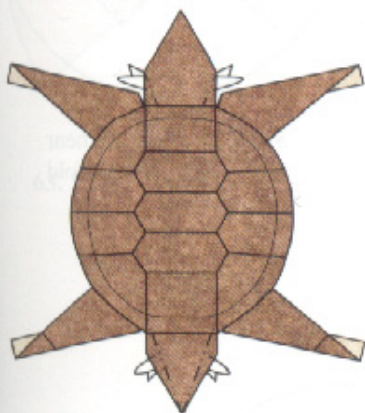
46. Pleat the shell and curve it around. The mountain folds are vertical; the valley folds are made so that the mountain folds line up with the existing edges.



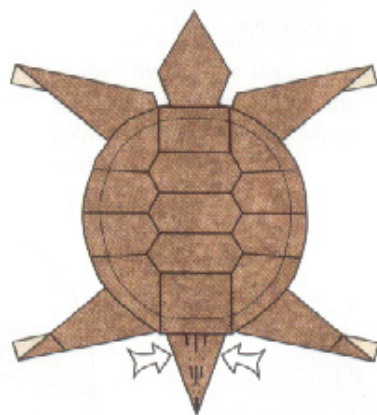
47. Pleat the head (top) and tail (bottom); note that the upper pleat extends farther into the shell. Mountain-fold the sides underneath.



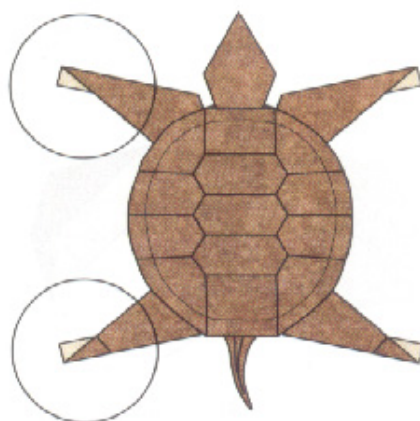
48. Valley-fold all the way around the bottom of the shell to create a rim (and also further lock the pleats made in step 46).



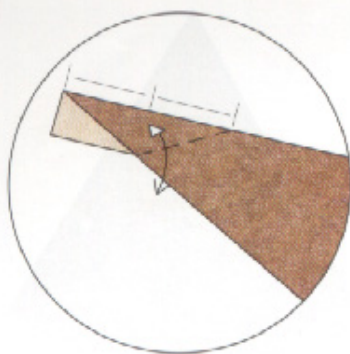
49. Mountain-fold the edges of the head and tail through all layers.



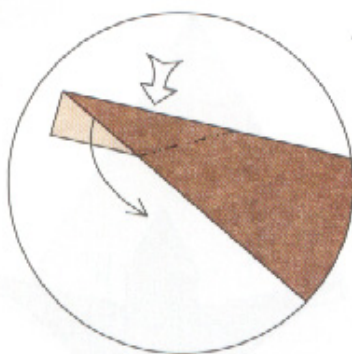
50. Pinch and narrow the tail.



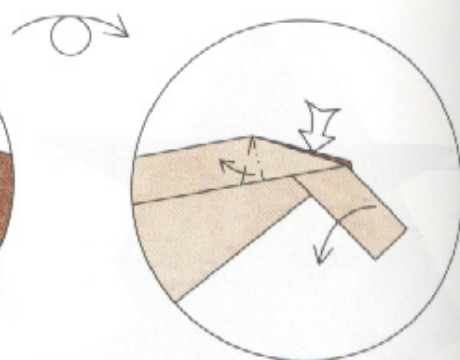
51. Steps 52–74 will focus on the legs and feet, starting with the forelegs.



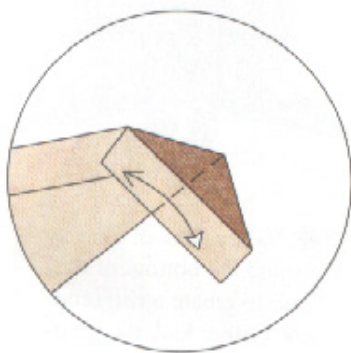
52. Detail of foreleg. Fold and unfold.



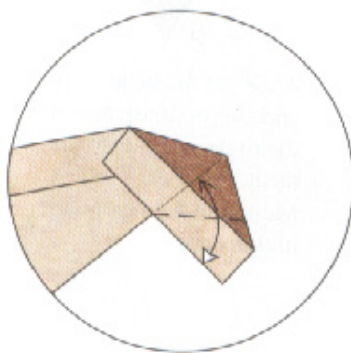
53. Reverse-fold the point. Then turn the model over.



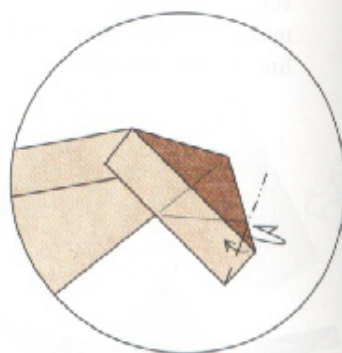
54. Open out the point, making a pleat along the folded edge.



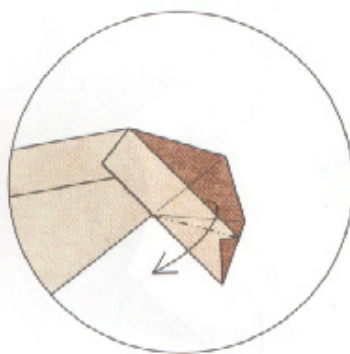
55. Fold and unfold along the edge behind the flap.



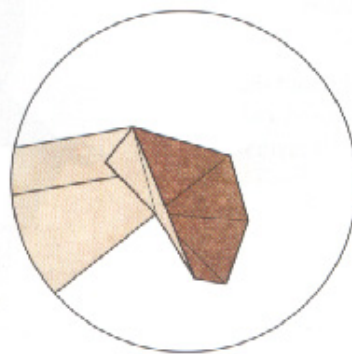
56. Fold and unfold along the angle bisector.



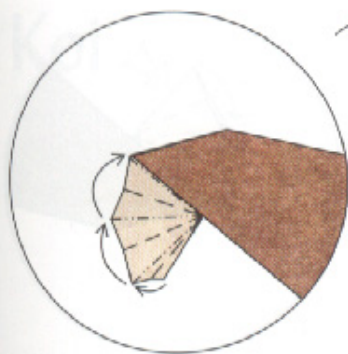
57. Valley fold the near layer and mountain-fold the far layer.



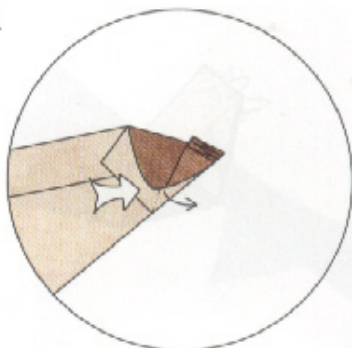
58. Form a mountain fold that runs to the corner and open out the white layer. The paper will not lie flat.



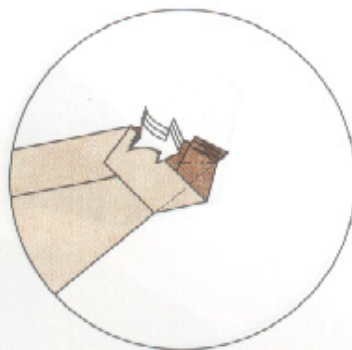
59. Turn the paper over.



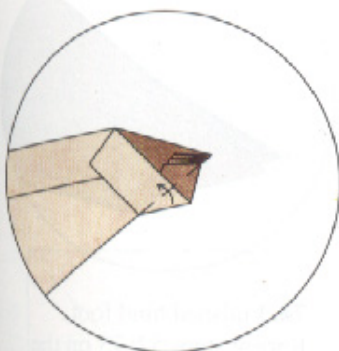
60. Form valley folds between the existing mountain creases and pleat the corners all together. Then turn the paper back over.



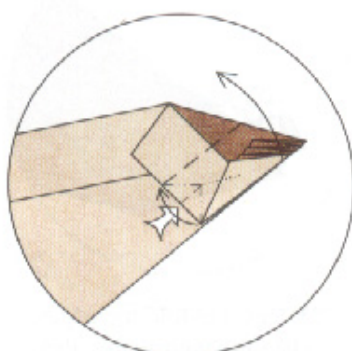
61. Squash-fold the extra paper over to the right and flatten.



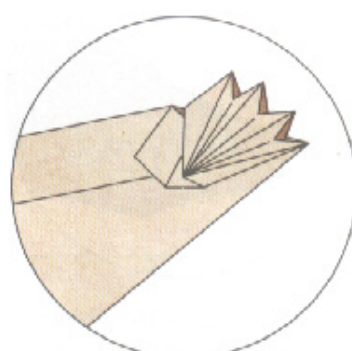
62. Reverse-fold three corners.



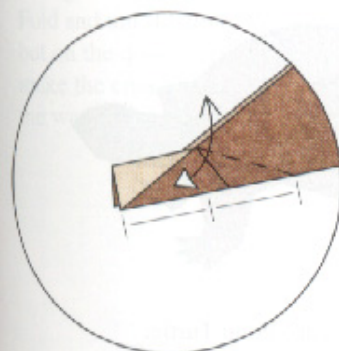
63. Valley-fold the corner.



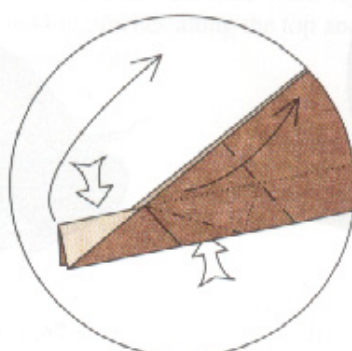
64. Spread the toes; simultaneously sink the edge of the "heel." The paper will lie almost flat, except for the pleats forming the toes, which will be vertical.



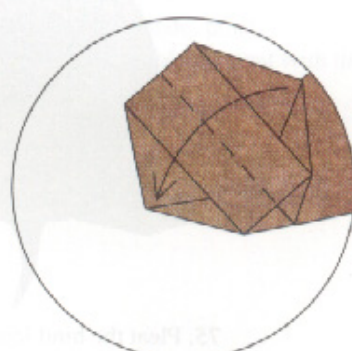
65. Finished front foot.



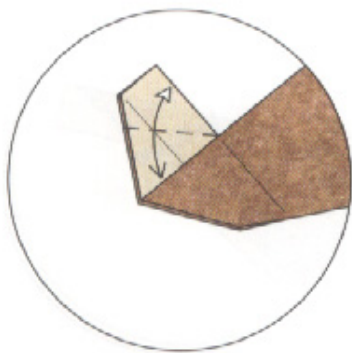
66. Detail of hind foot. Fold and unfold.



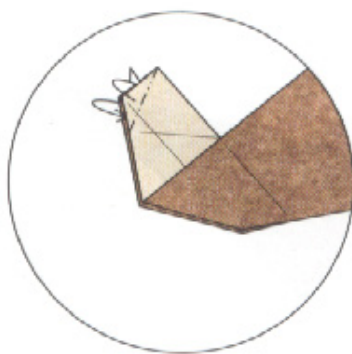
67. Squash-fold the flap, opening out the pleat.



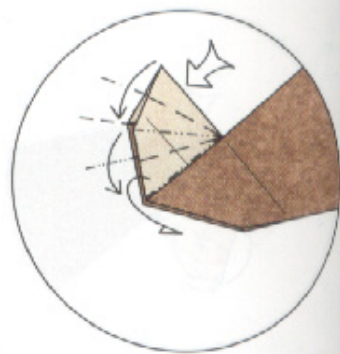
68. Close up the flap.



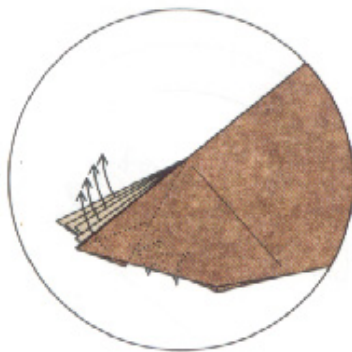
69. Fold and unfold along the angle bisector.



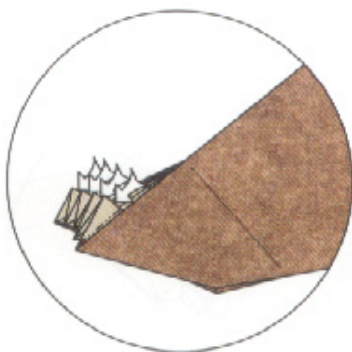
70. Mountain-fold the near layer behind; valley-fold the far layer.



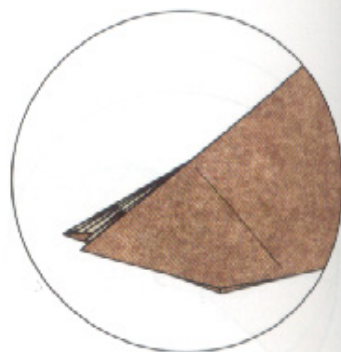
71. Crimp the white layers downward.



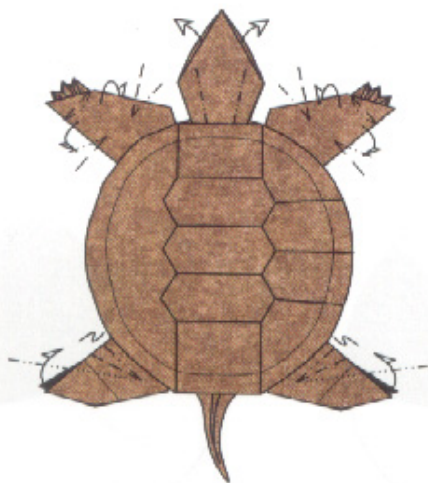
72. Reverse-fold four edges upward so that they stand above the white edges.



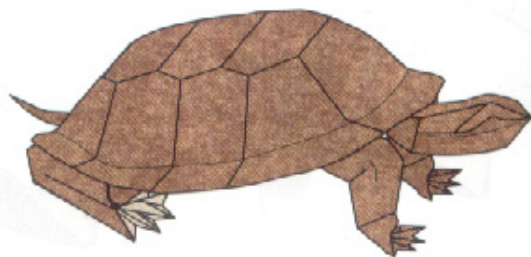
73. Reverse-fold the edges to lie flush with all the other edges.



74. Finished hind foot. Repeat steps 52-73 on the other two feet.



75. Pleat the hind legs and spread the toes. Crimp and curve the forelegs. Pull out the middle edges of the head and make it three-dimensional.



76. Finished Western Pond Turtle.