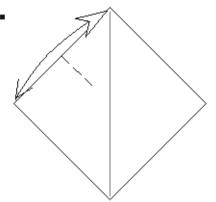
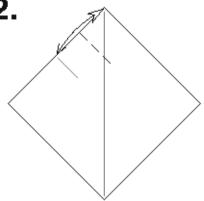
## **Triceratops**

## by Jerry Harris

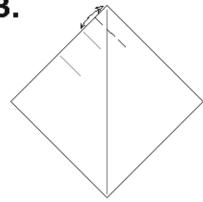
Begin with a square, white side up, with the vertical diagonal precreasesquare of 10" results in a model of approximately 5.8" long and 1.67" tall at the hip.



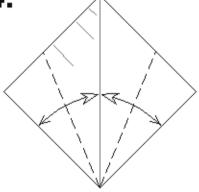
Valley fold the left edge in half, creasing only at the very edge, and unfold.



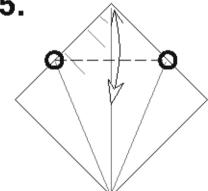
Valley fold 1/4 at the left side, again creasing only at the edge, and unfold.



Valley fold 1/8 at the left side, again creasing only at the edge, and unfold. This is the mark that is referred to in

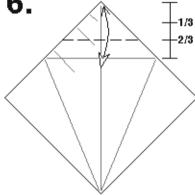


Valley fold lower angle bisectors to the center and unfold.

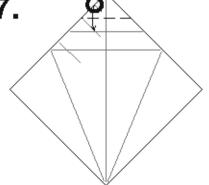


Valley fold, connecting the tops of the angle bisectors, and unfold.

6.

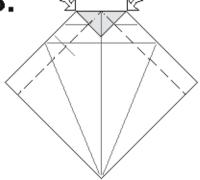


Valley fold through a point 2/3 the way between the top point and the crease connecting the angle bisectors (made in Step 5) and unfold.

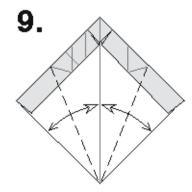


Valley fold the top point down so the 1/8 mark from Step 3 touches the 2/3 line from Step 6.

8.

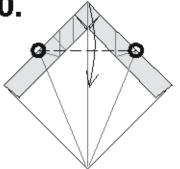


Reverse fold the top corners in to the center creating a small preliminary base at the top.



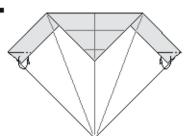
Remake the angle bisectors through the new flaps at the top and unfold.

10.



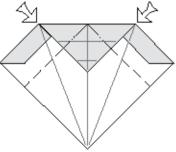
Valley fold the top point down, connecting the tops of the angle bisectors.

11.

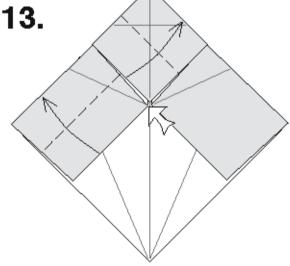


Mountain fold the loose corners at the sides under

12.

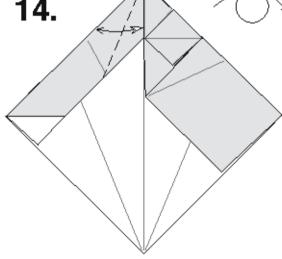


Reverse fold the top corners in to the center creating another preliminary base at the top.

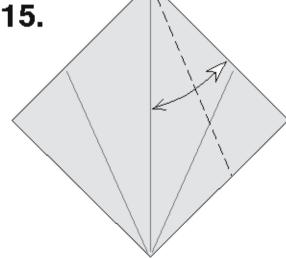


Valley fold the lower left side of the preliminary base at the top in half. As you do this, you will have to squash the flap underneath, folding the inner edge of the colored flap to the outer edge.

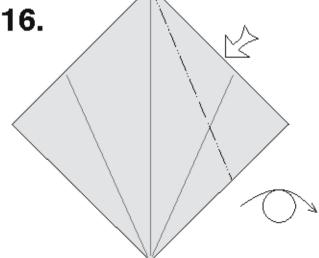
14.



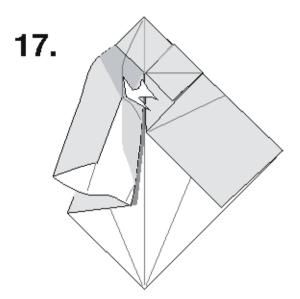
The result. The first small preliminary base should lay perfectly between the edges and the centerming 1/4 of the larger one (made in Step 12). Alley fold the angle bisector at the top, using only the top flap and unfold (the model will not lay flat as you do this will not lay flat as y over from side-to-side.



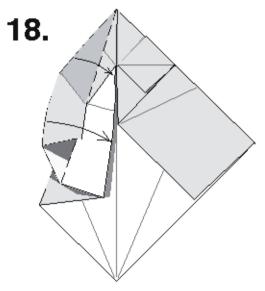
Valley fold the corresponding angle bisector on the back. The paper will not lay flat as you do this, and you'll have to crease the top part and bottom part separately Unfold.



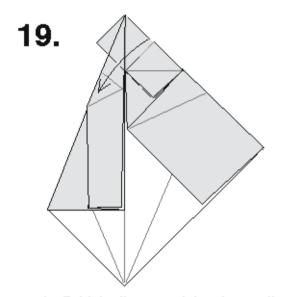
Reverse fold the right side on the fold you just made. Again, the paper will not lay flaffurn back over from side-to-side.



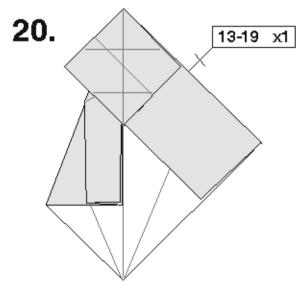
Invert the broad, raised point he model will still not lay flat, but will be concave instead of convex.



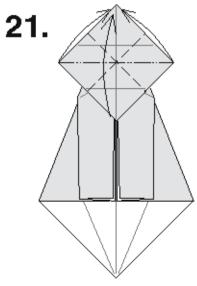
Valley fold the now concave flap down along the crease made in Step 14, and flatten the model.



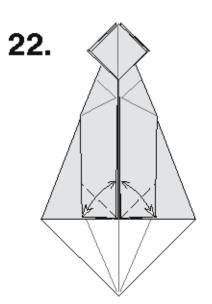
The result. Fold the flap containing the small preliminary base back down to the left.



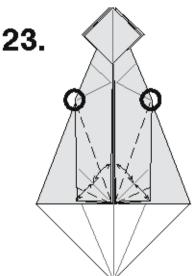
Repeat Steps 13-19 in mirror image on the right side.



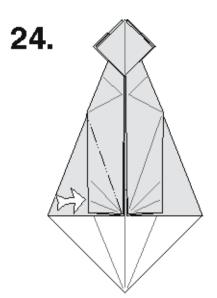
Collapse the square at the top as a preliminary base.

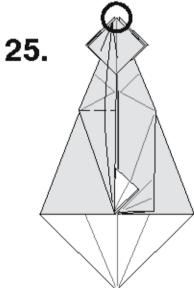


Valley fold the bottoms of the long, rectangular strips to the center line and unfold.

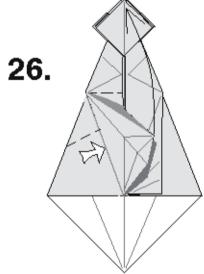


Quadrisect the angle of the lower end of the rectangular flaps. Note that the long, innermost folds quadrisection line.

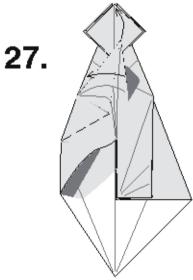




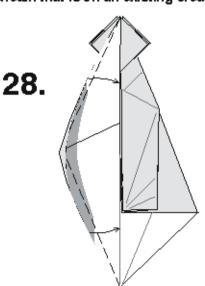
With only the uppermost flap of the reverse fold, begin to fold it up to match the top point of the modelhe next few steps show more folds being made while this is being done.



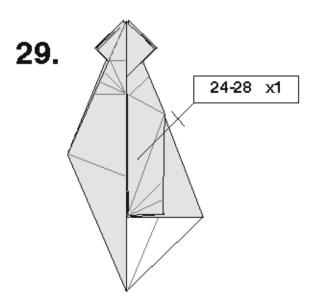
As you continue to fold the point up to the top, you must push in the layer beneath if the valley fold beneath that is on an existing crease.



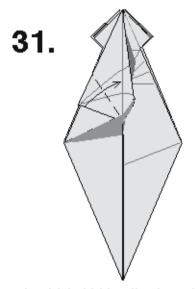
Now the point is closer to the top. Using existing creases, fold the flap down to the left. It still won't lay flat.



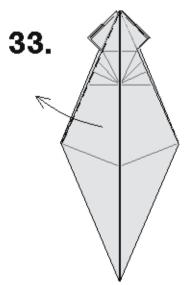
Flatten the model by valley folding the raised flap down to the center lineThe bottom half of this fold occurs on an existing crease line.



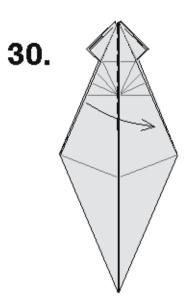
The result. Repeat Steps 24-28 on the right side.



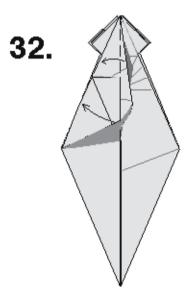
Bisect the thick, hidden flap by valley folding its lower edge to the center line.



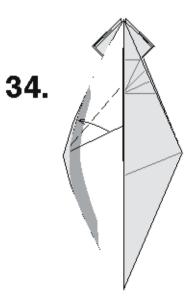
Pull the uppermost, single-layer top flap to the left, exposing another hidden flap (this is the same view as Step 28).



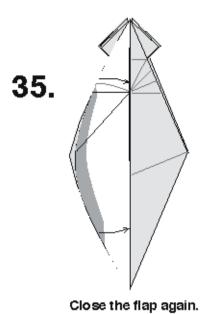
Pull the uppermost, double-thickness top layer to the right to expose the hidden layer beneat he paper will not lie flat.

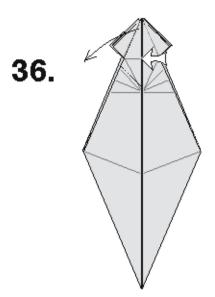


Close the model over the hidden flap again.

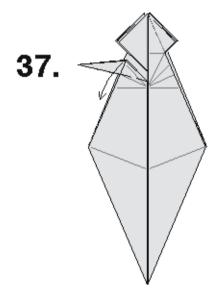


Bisect the hidden flapThis will lock the fold of the hidden flap folded in Step 31.

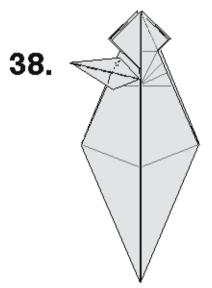




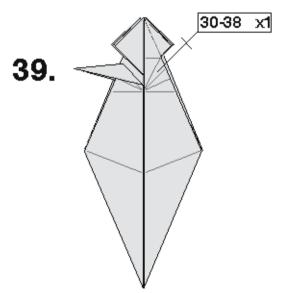
Reverse fold the top left point out to the lembe lower end of the reverse fold line is located at the point at which the layers are locked together



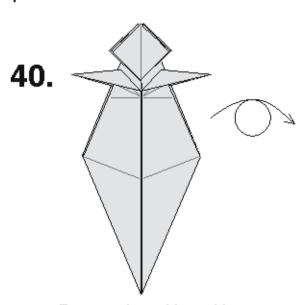
This point will be one of the front legsalley fold the top layer of the point down.



Tuck the lower flap under the layers of the upper flap.

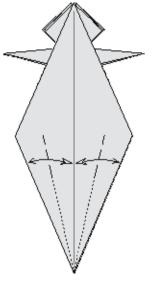


Repeat Steps 30-38 in mirror image on the right side.



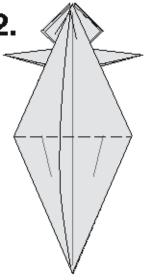
Turn over from side-to-side.

41.



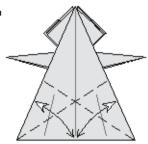
Valley fold the lower edges to the center line, bisecting its lower angle, but only crease near the center of the model.

42.



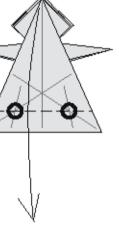
Valley fold the lower point to the top.

43.



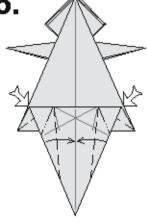
Valley fold the left and right edges of the uppermost point to the horizontal bottom edge and unfold, bisecting the lower corners.

44.



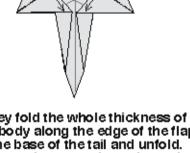
Valley fold the uppermost point down through the intersections of the angle bisectors from Steps 41 and 43.

45.

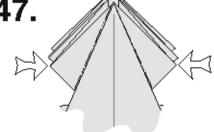


Narrow the tail by folding the sides in towards the center line. Note that the folds do not go all the way to the tip of the point. As you do this, squash fold The next few steps focus the gussets at the sides; they should line head (the top assembly). up with the horizontal edge underneath.

46



Valley fold the whole thickness of the body along the edge of the flap at the base of the tail and unfold. The next few steps focus in on the

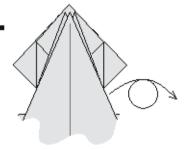


Reverse fold the first pair of flaps inwards (as in a bird base).



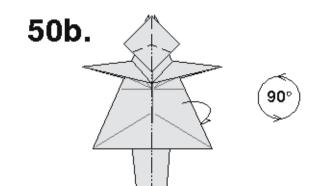
Reverse fold the next pair of flaps. The layer you can see in this figure goes in all the way but the layer beneath it does not, and the resultant edge is vertical.

49.



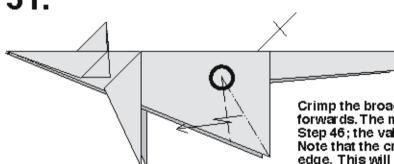
The result. Turn the model over from side-to-side; the next diagram is still a close-up of the head.

50a.



Mountain fold the whole body in half (right side under the left), incorporating the rabbit ear on the head end (close-up). Rotate counterclockwise 90°.

51.



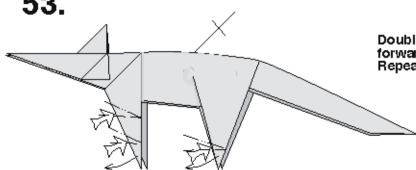
Crimp the broad, thick points towards the tail (the hind legs) forwards. The mountain fold is on the crease you made in Step 46; the valley fold are newand are not quite vertical.

Note that the crimp does not progress all the way to the top edge. This will give the model a degree of three-dimensionalityRepeat the crimp behind.

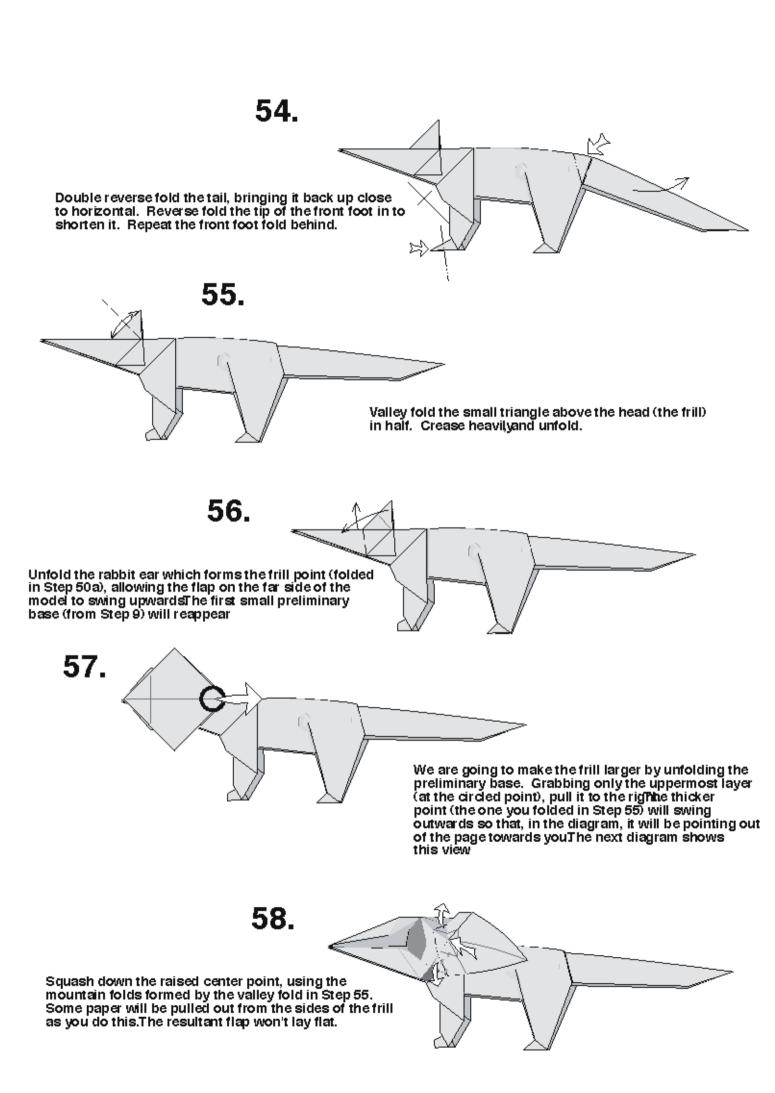
52.

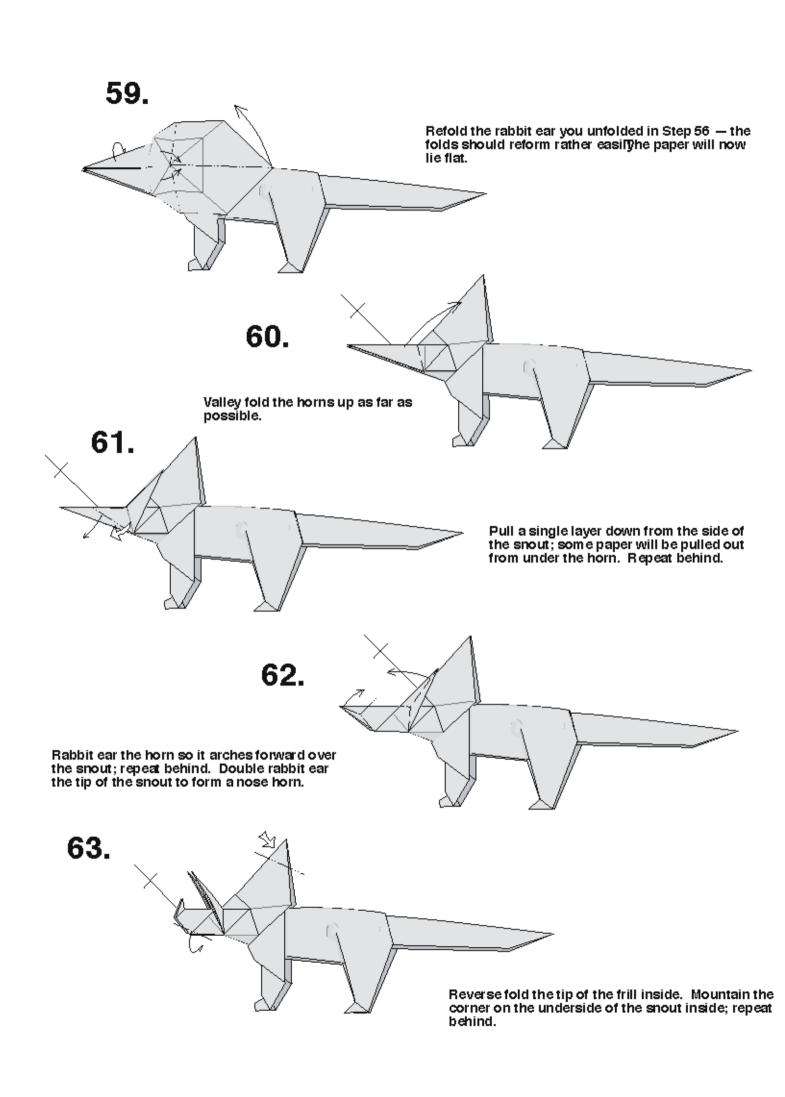
Narrow the belly with a mountain fold the front end of the fold should meet or go slightly past the right edge of the front leg; the back end of the fold line continues under the hind leg, where you will have to squash a gusset by folding the edge of paper to meet the front edge of the leg (the folds inside the leg are indicated by the x routiness. Beneat behind indicated by the x-ray lines. Repeat behind.

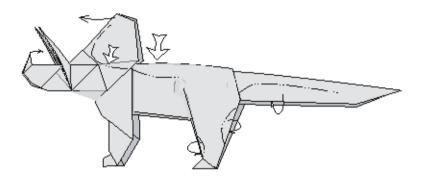
53.



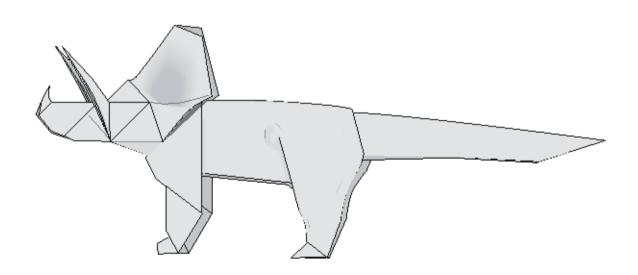
Double reverse fold the front leg twice, curling them forwards. Double reverse fold a foot on the hind leg. Repeat behind.







Finish rounding out the body by pushing in the back to match the three-dimensionality produced with the crimps in Step 51. Round the tail and hind leg, as well; repeat behind. Make the frill more three-dimensional by creating a large dimple on the left side — this will produce a slight crimping motion to bring the frill forward, but the central mountain fold stays in place. Repeat behind. Curl the nose horn backwards.



**FinishedTriceratops**