

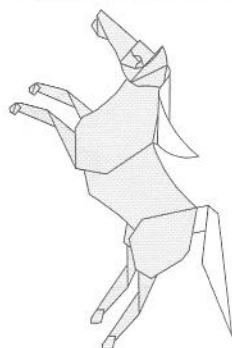
Horse

Quentin Trollip

South Africa / Canada

Design and diagram info:

Date: 19 Sept 2007
 Difficulty: Complex
 Time to fold: 1 Hour

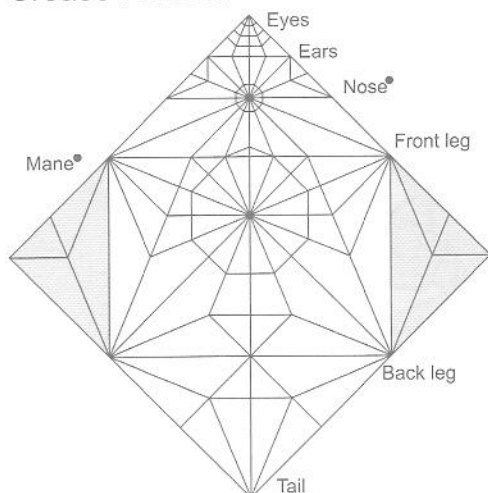


A horse is a difficult subject in origami. It has a bulky body and thin legs with many joints. It is also difficult to capture the gracious movement of this great animal.

The only real complex part in folding the Horse, is the Open Sink to form the mane in steps 63 to 67. I like this manoeuvre, as it yields a colour-changed mane which is not formed from the raw edges of the paper! The colour-change to the tail was added later to match the hair of the mane.

It is possible to pose the Horse in different postures, and multiple Horses together in different positions make for a great display!

Crease Pattern:



Paper:

Single Uncut Square

Size: 40 cm
 Color: Any Duo-colour
 Type: Kami

OK
Good
Best

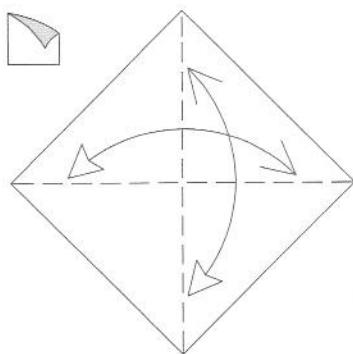
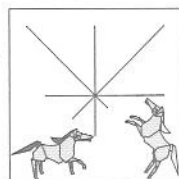
 Foil

OK
Good
Best

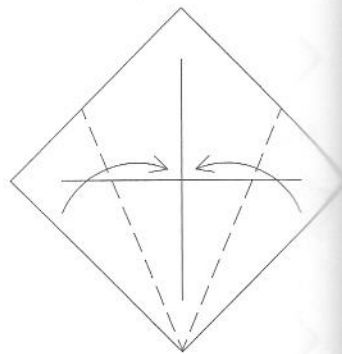
 Wet-Fold

OK
Good
Best

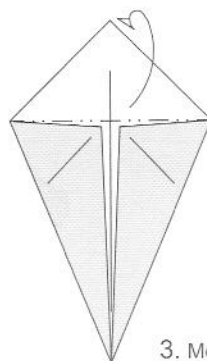
Ratio: 0.30 Height



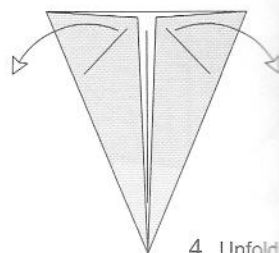
1. Pre-crease.



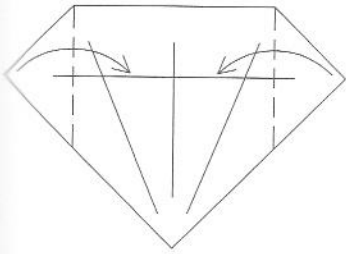
2. Valley Folds.



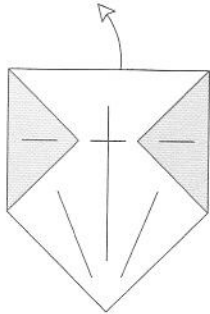
3. Mountain Fold.



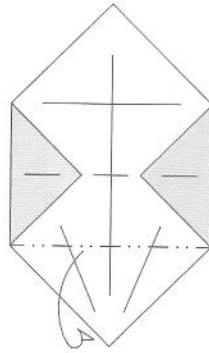
4. Unfold.



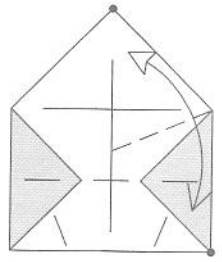
5. Valley Folds.



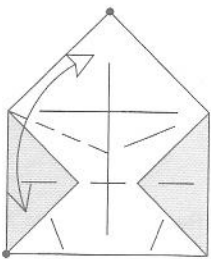
6. Unfold the raw corner.



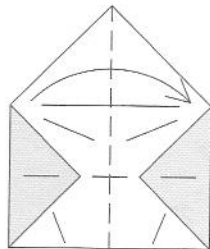
7. Mountain Fold.



8. Valley Fold marker to marker and Unfold.



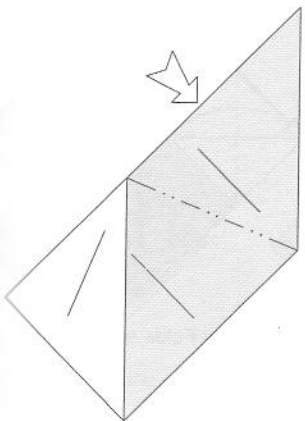
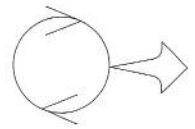
9. Repeat step 8 on the left.



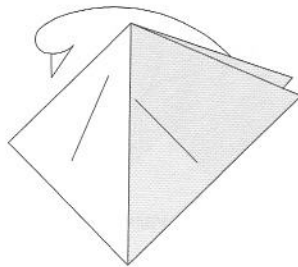
10. Valley Fold in half.



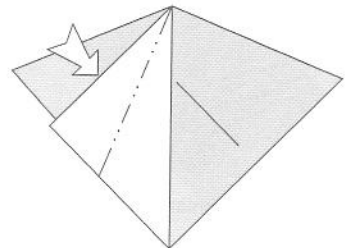
11. Rotate.
Enlarge.



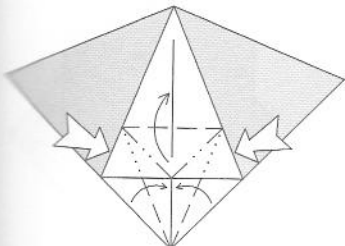
12. Inside Reverse Fold.
Enlarge.



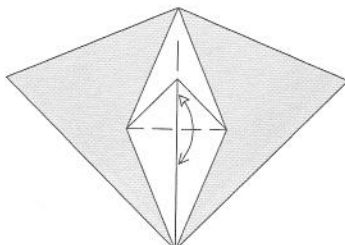
13. Swing the flap at the back
to the left.



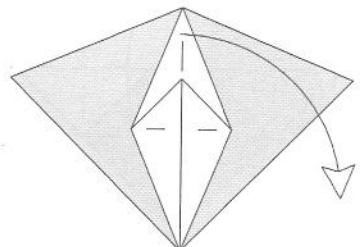
14. Squash Fold.



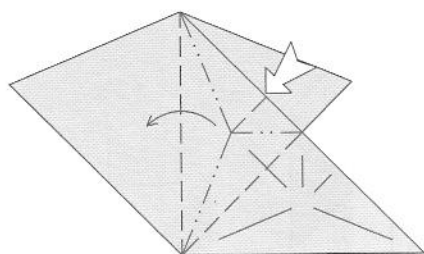
15. Petal Fold.



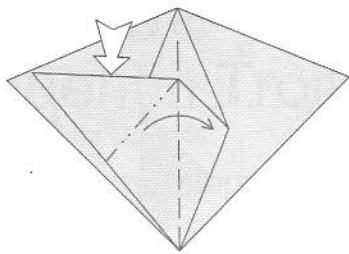
16. Valley Fold and Unfold.



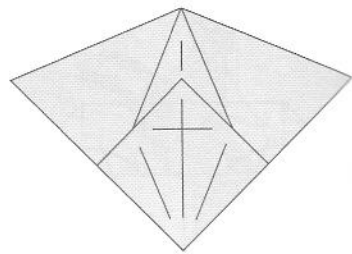
17. Unfold the raw corner
completely.



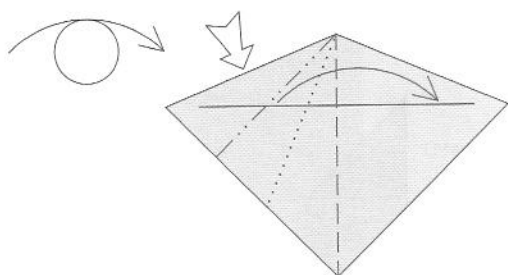
18. Reshape the Petal Fold made in step 15.



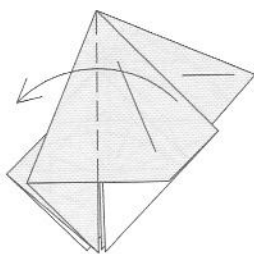
19. Squash Fold.



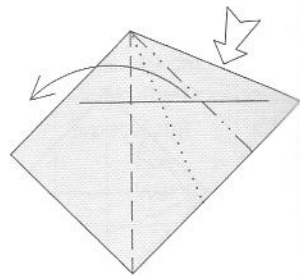
20. Turn over.



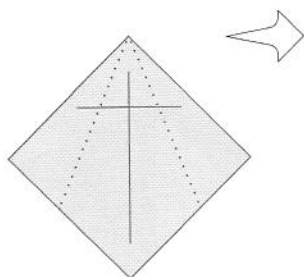
21. Squash Fold asymmetrically to the right.



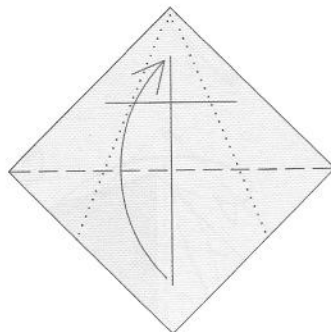
22. Valley Fold.



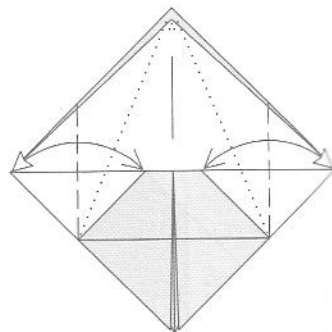
23. Repeat steps 21 to 22 on the right.



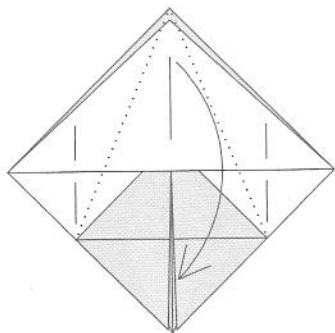
24. Enlarge.



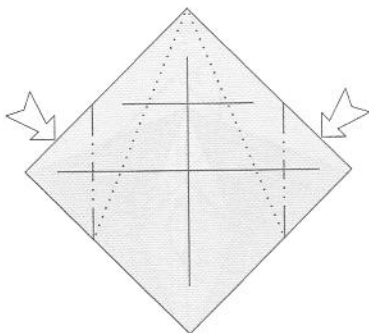
25. Valley Fold.



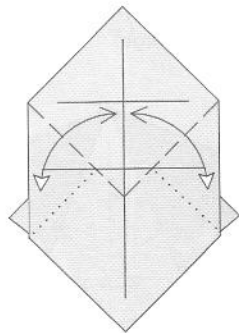
26. Valley Folds and Unfold.



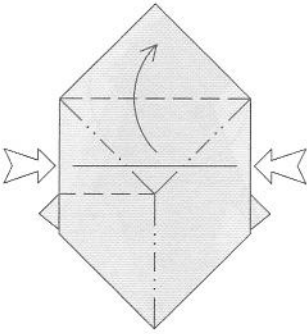
27. Valley Fold the raw corner down.



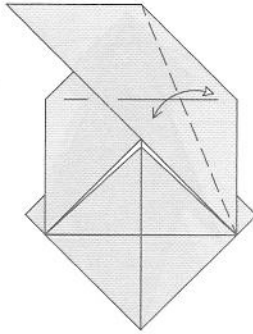
28. Inside Reverse Folds.



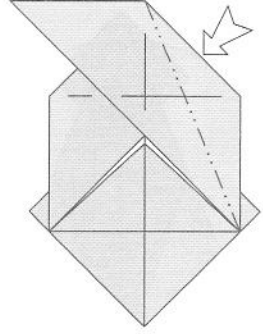
29. Valley Folds and Unfold the top layer.



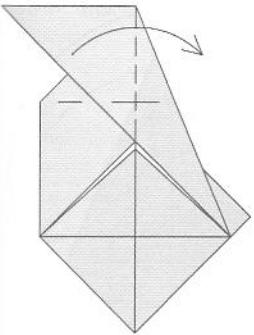
30. Squash Fold the flap up.



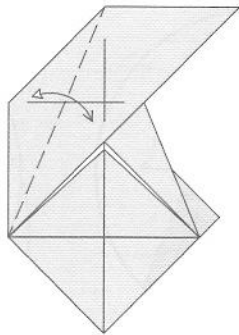
31. Valley Fold and Unfold.



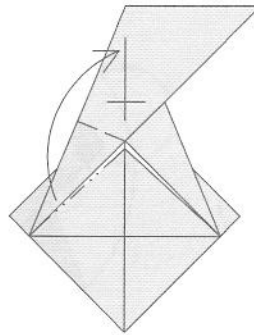
32. Open Sink.



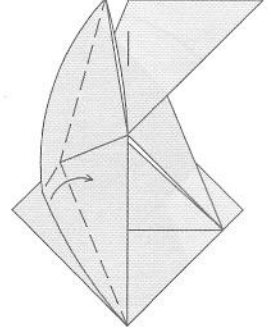
33. Valley Fold.



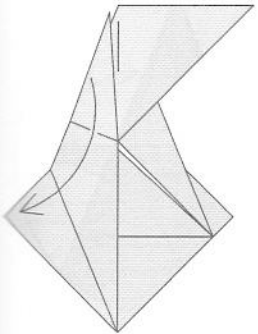
34. Repeat steps 31 to 32 on the left.



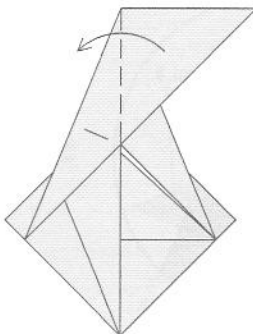
35. Valley Fold the point up. The model will not lie flat.



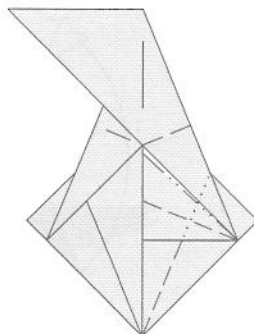
36. Flatten.



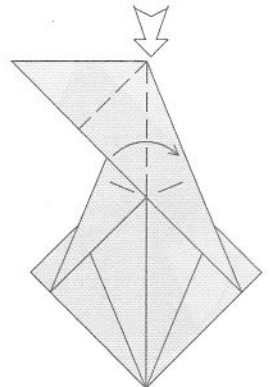
37. Valley Fold the point down.



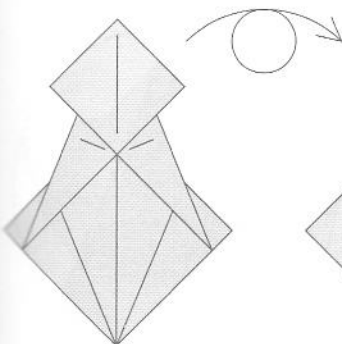
38. Valley Fold to the left.



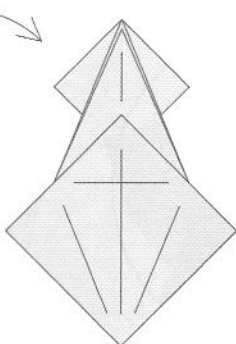
39. Repeat steps 35 to 37 on the right.



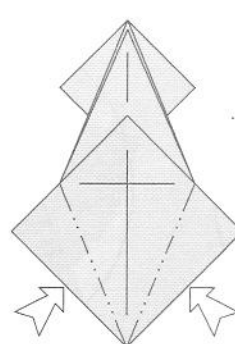
40. Squash Fold.



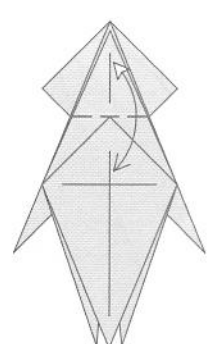
41. Turn over.



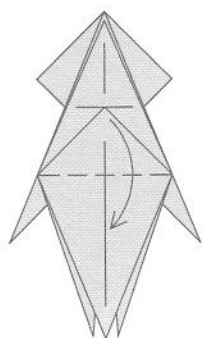
42. Like this.



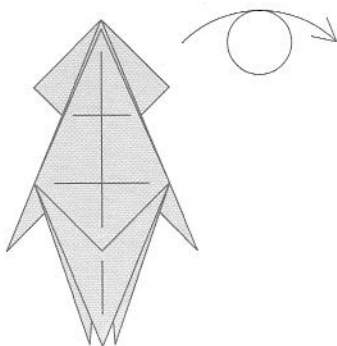
43. Inside Reverse Folds on existing creases.



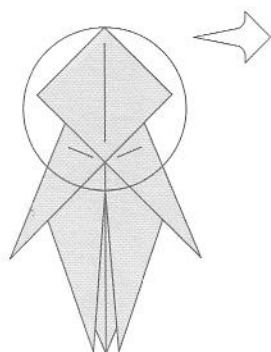
44. Valley Fold and Unfold the thick point.



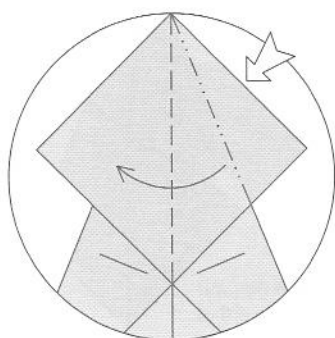
45. Valley Fold the point down.



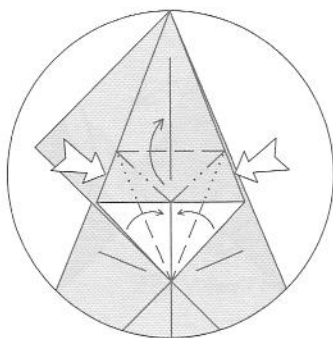
46. Turn over.



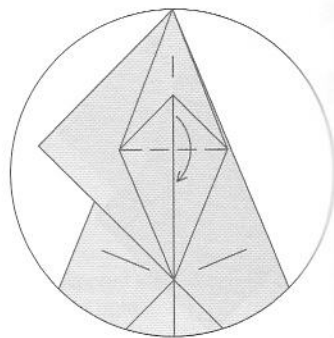
47. Enlarge.



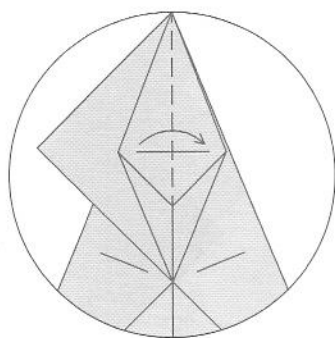
48. Squash Fold.



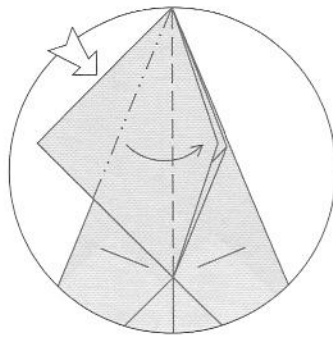
49. Petal Fold.



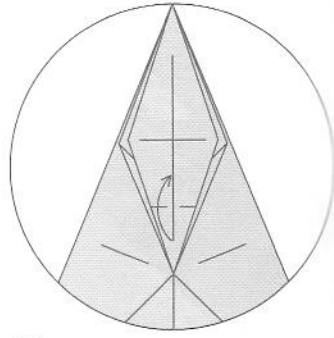
50. Valley Fold down.



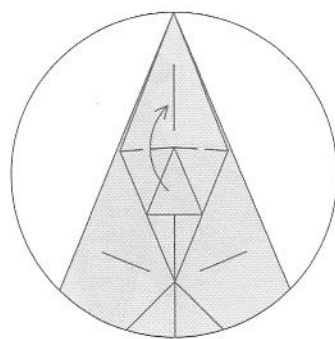
51. Valley Fold.



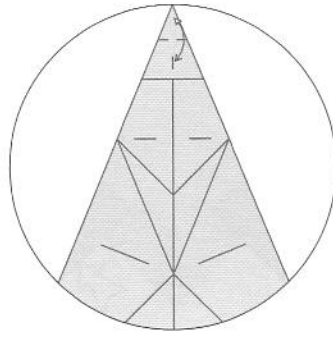
52. Repeat steps 48 to 51 on the left.



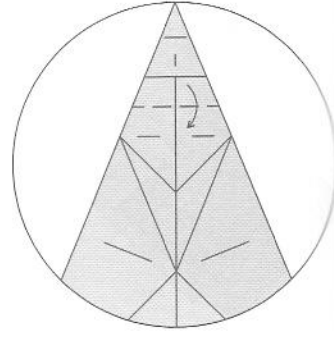
53. Valley Fold to the center.



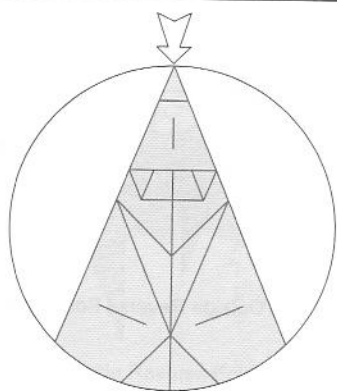
54. Valley Fold up.



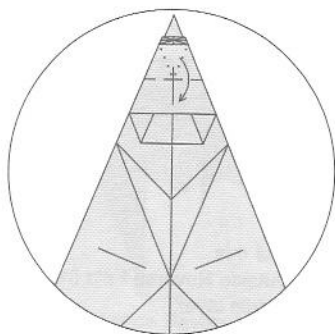
55. Valley Fold and Unfold the top point only.



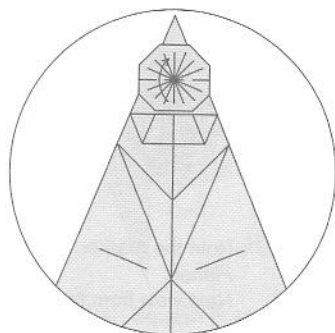
56. Valley Fold down.



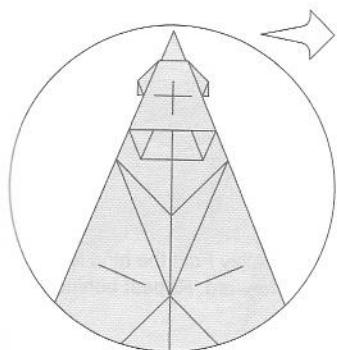
57. Open Sink on creases made in step 55.



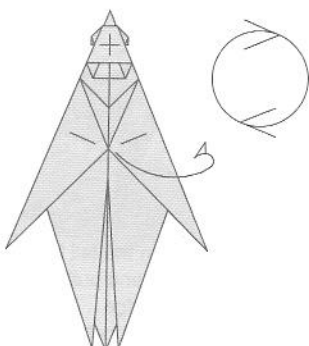
58. Flatten to spread the layers.



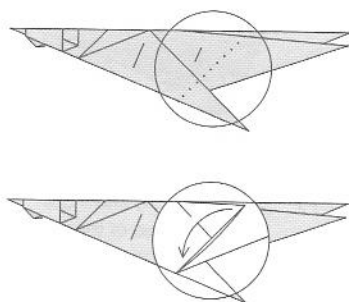
59. Valley Fold.



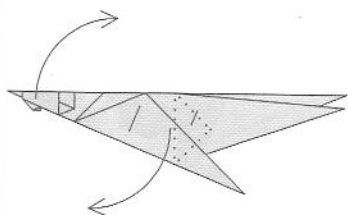
60. Scale change.



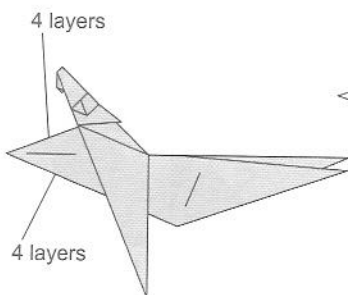
61. Mountain Fold the model in half. Rotate.



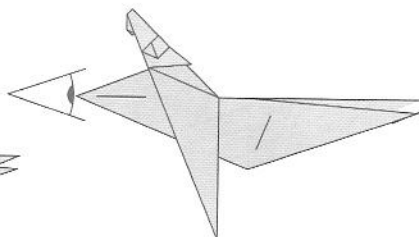
62. X-Ray view. Valley Fold to lock the model.



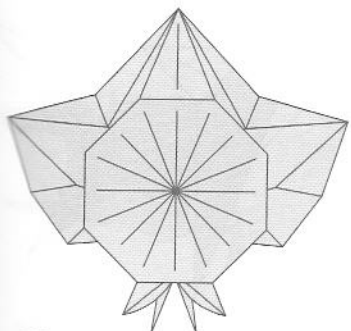
63. Slide the head and forelegs up and forwards together. See step 62 for orientation of the layers.



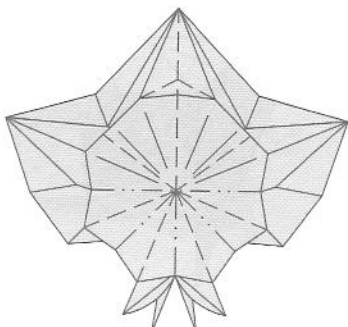
64. Like this.



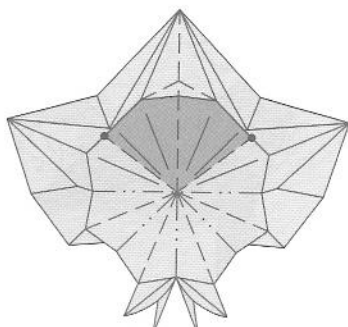
65. Spread the layers at the front of the model. This is an Open Sink. Change view.



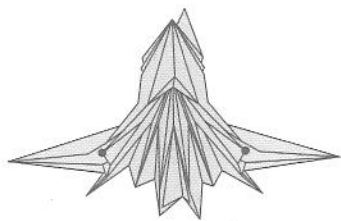
66. Like this. Push the layer into the model.



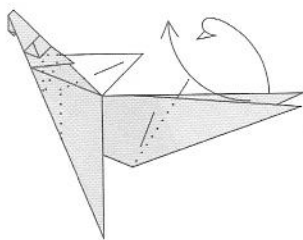
67. Pinch the layers of the legs together.



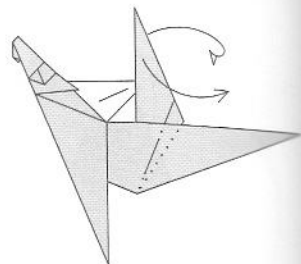
68. The darker layer should form the mane. See step 68.



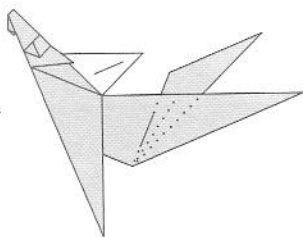
69. Note the marker.
Flatten.
Next view from the side.



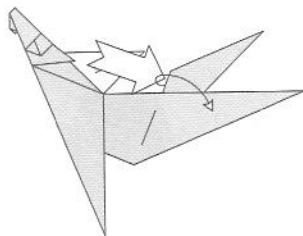
70. Like this.
Outside Reverse Fold the
middle layer.



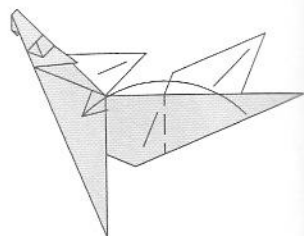
71. Outside Reverse Fold again.



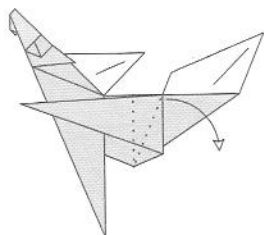
72. steps 73 to 76 show the
colour-change of the tail
and are optional.



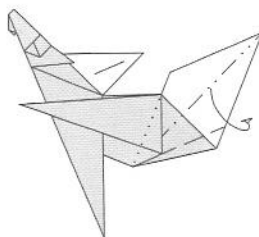
73. Open the tail from the
front and pull out the
raw edge.
Repeat behind.



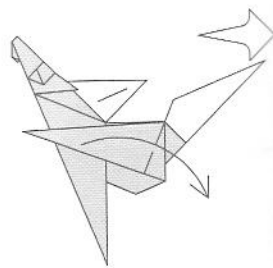
74. Valley Fold the hind leg
forward. Repeat behind.



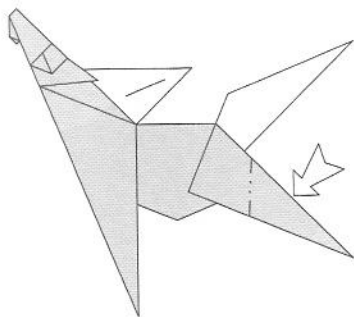
75. Release the raw edge
even further. Repeat behind.



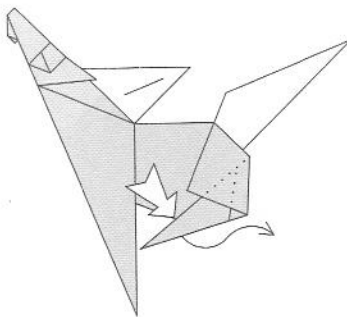
76. Mountain Fold the raw
edge inside. Repeat behind.



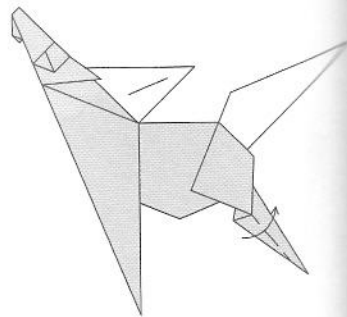
77. Valley Fold the hind leg.
Repeat on the other hind leg.
Enlarge.



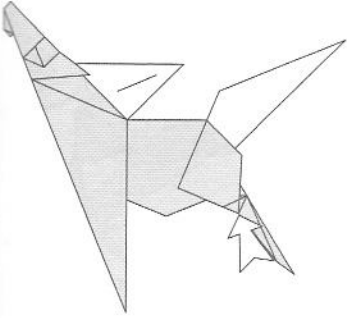
78. Inside Reverse Fold.
Repeat on the other hind leg.



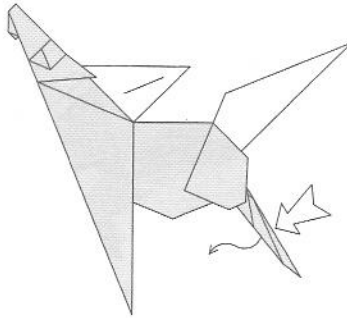
79. Inside Reverse Fold.
Repeat on the other hind leg.



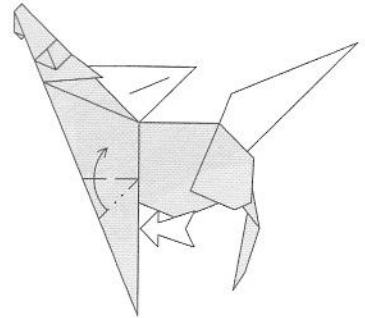
80. Swivel Fold.
Repeat behind.
Repeat on the other hind leg.



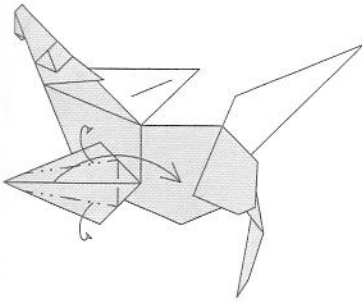
81. Inside Reverse Fold the point. Repeat behind. Repeat on the other hind leg.



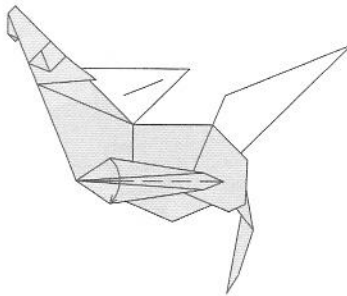
82. Inside Reverse Fold. Repeat on the other hind leg.



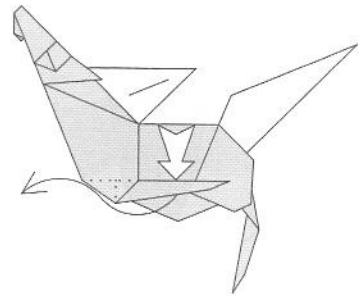
83. Squash Fold. Repeat on the other front leg.



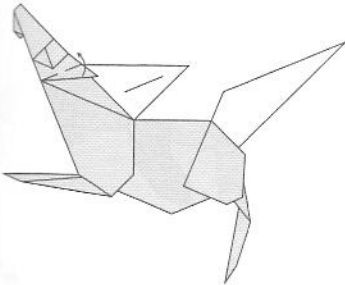
84. Petal Fold. Repeat on the other front leg.



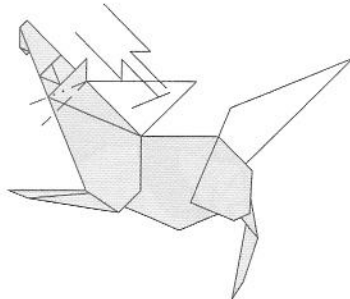
85. Valley Fold. Repeat on the other front leg.



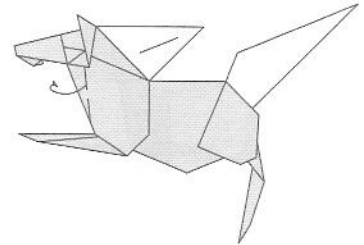
86. Inside Reverse Fold. Repeat on the other front leg.



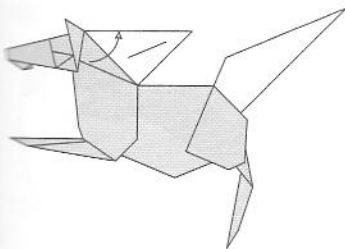
87. Valley Fold the ears.



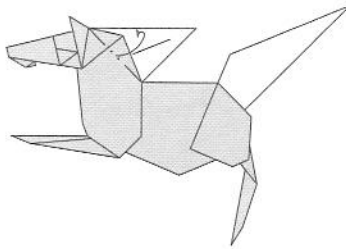
88. Outside Crimp Fold the neck.



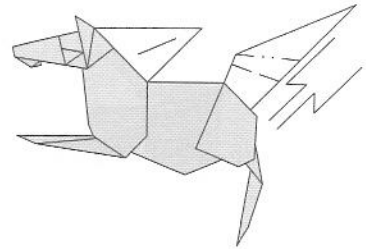
89. Mountain Fold. Repeat behind.



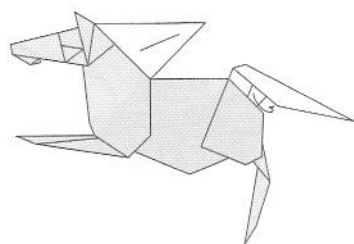
90. Unfold the layer. Repeat behind.



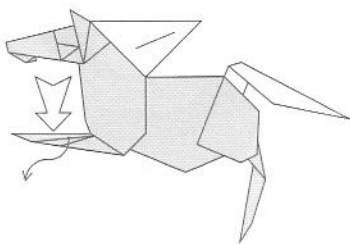
91. Mountain Fold behind the layer beneath it. Repeat behind.



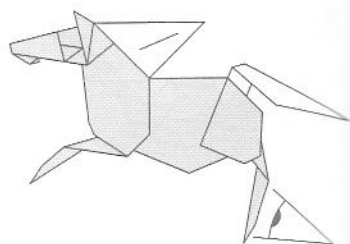
92. Outside Crimp Fold.



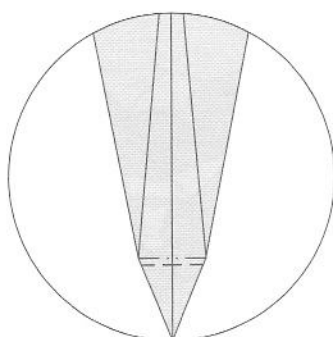
93. Mountain Fold into the layers on the inside to lock them. Repeat behind.



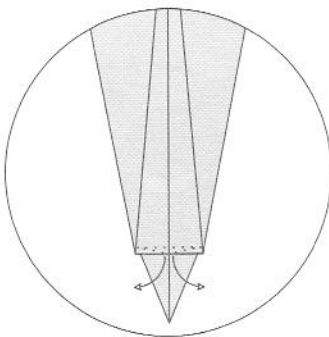
94. Inside Reverse Fold the front legs.



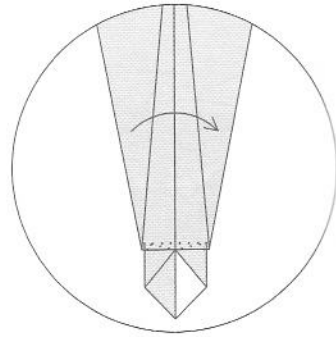
95. Open the layers of the leg and look at them from behind.



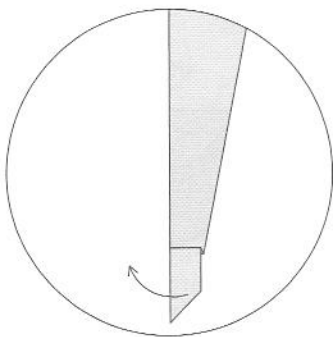
96. Crimp Fold.



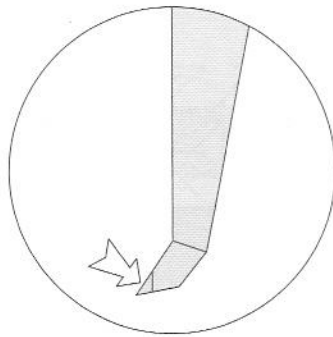
97. Unfold the raw edges.



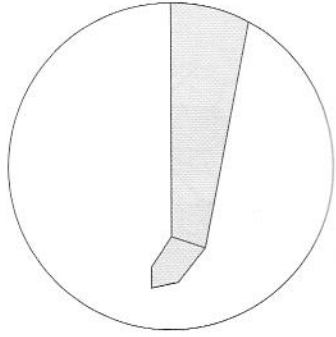
98. Valley Fold.



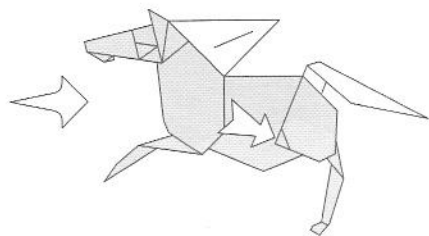
99. Slide the hoof forward.



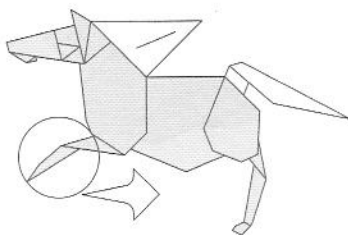
100. Inside Reverse Fold.



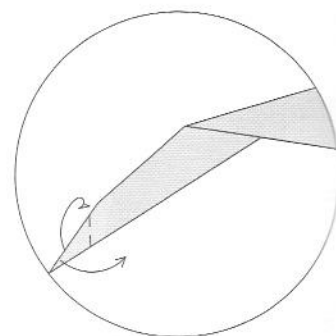
101. Repeat steps 96 to 100 on the other hind leg. Scale change.



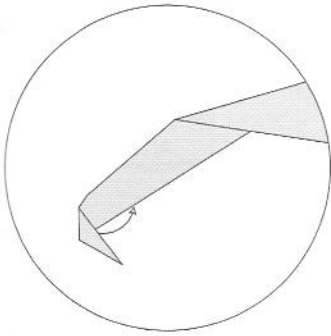
102. Inside Reverse Fold. Repeat behind.



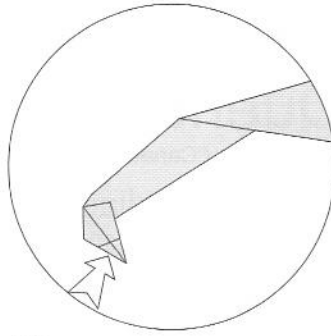
103. Enlarge.



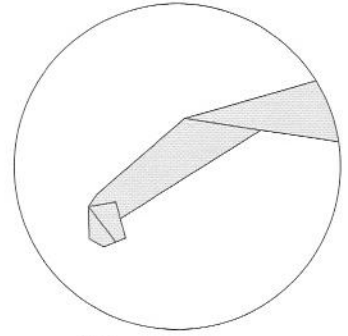
104. Outside Reverse Fold.



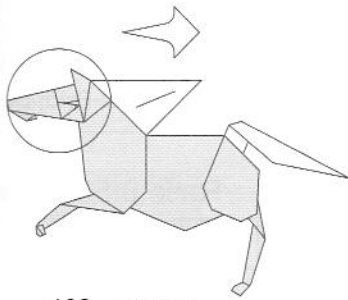
105. Pull out a layer from inside. Repeat behind. Repeat on the other leg.



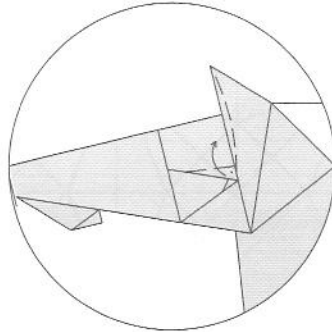
106. Inside Reverse Fold. Repeat on the other leg.



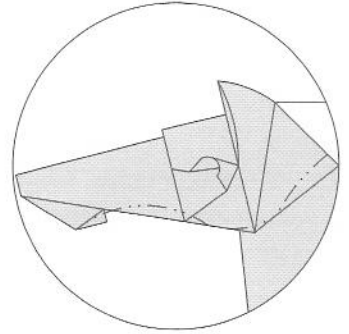
107. Scale change.



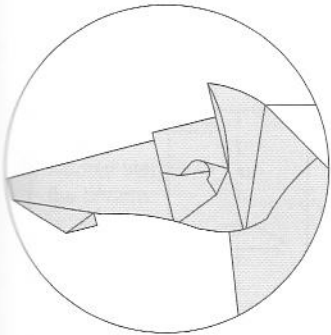
108. Enlarge.



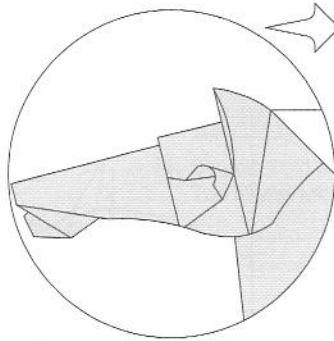
109. Shape the eyes and ears.



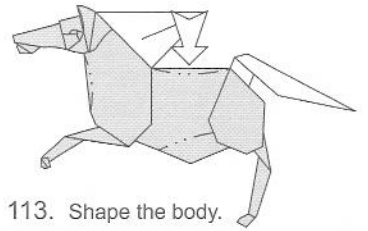
110. Round the jaw muscles.



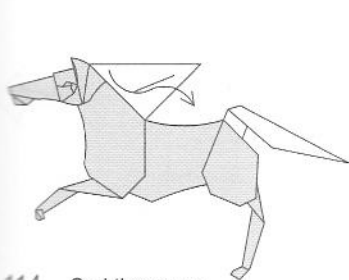
111. Pull down the lower jaw.



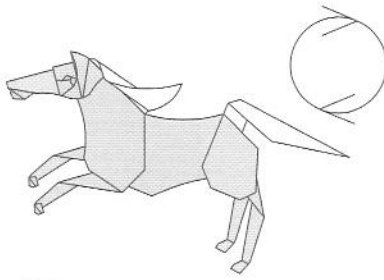
112. Like this. Scale change.



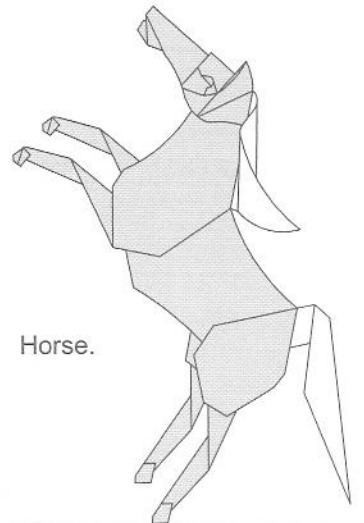
113. Shape the body.



114. Curl the mane. Turn the head slightly to the same side as the mane. This will keep the mane folds in shape.



115. Slide the hind legs back and stand the horse on its hind legs and tail.



Horse.