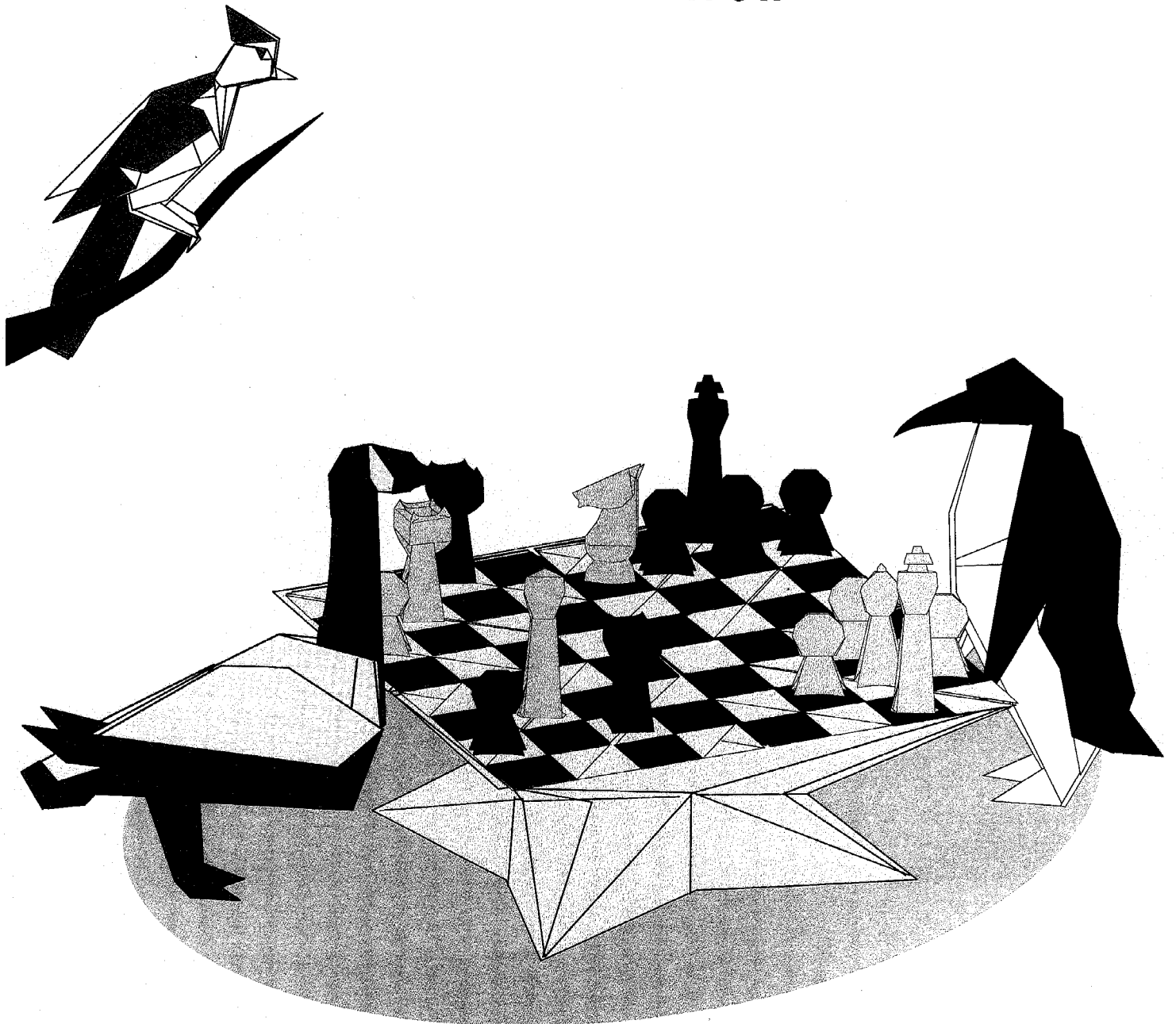


ORIGAMI INSIDE-OUT

John Montroll



To Mayo, Naomi, Shelly, Han, Michele, and Alexander

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Introduction

Traditional origami focuses on the structure of the folded work of art. Over the last several years, I have been designing projects which combine color patterns with structure. Such designs are possible because standard origami paper is colored on one side and white on the other. My recent book, *African Animals in Origami*, contained several examples of patterned origami, notably the zebra and the giraffe. In this book, I present you with a series of projects where the color patterns are formed by folding inside-out.

Many of these projects also involve the theme of trisection which seems to be creeping into my style more and more. Some examples are the elephant, penguin, Canada goose, and some of the chess pieces.

The book is divided into five sections. The first contains a Martian and few other creatures. The second section details construction of basic geometric shapes, including the tetrahedron, the cube, and the octahedron. The third and fourth sections present a Canada goose, a raccoon, and several other birds and mammals of distinguished coloration. Finally, there is a chessboard and a full set of playing pieces.

Although any square paper can be used for the projects in this book, the best material is standard origami paper. Origami paper is sold in many hobby shops, and it can be purchased by mail from Origami USA, 15 West 77 Street, New York, NY 10024-5192. In my diagrams, the shading represents the colored side of the paper. The illustrations conform to the internationally accepted Randlett-Yoshizawa conventions. Large sheets are easier to work with than small ones.

Origami paper, and a catalog of other available craft books, can also be ordered from Dover Publications, Inc., 31 East 2nd St., Mineola, NY 11501.

The directions for each project have been submitted to experienced origami artists, and I thank the many friends whose suggestions have helped me improve the clarity of my illustrations and explanations. I wish to thank my friends Sascha Beicken, Husayn Moody, Matt Dickie, Loren Smith, Robert Ross, Tim Getman, Jeremiah Helm, Jon Zeiders, and Paul Gilden from St. Anselm's Abbey School for their descriptions and poems of the models throughout this book.

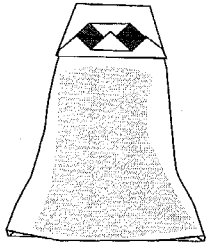
John Montroll

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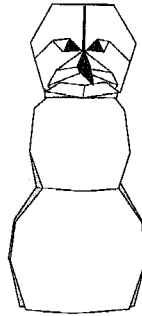
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* Simple
** Intermediate
*** Complex
**** Very Complex

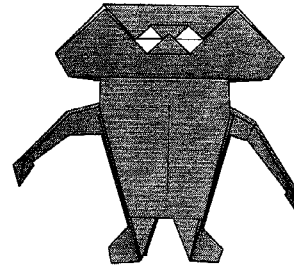
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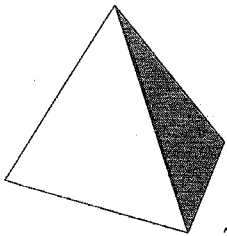


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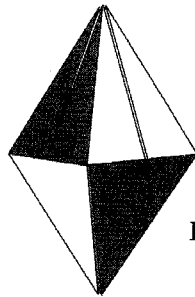


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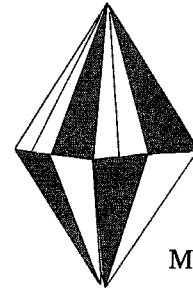
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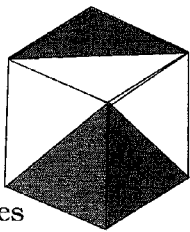
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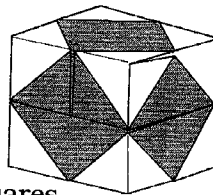
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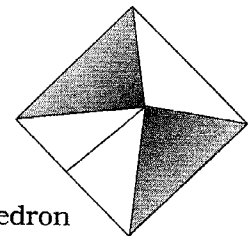
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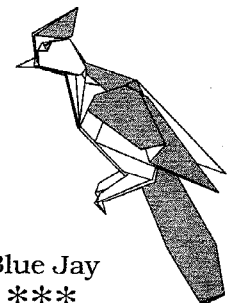


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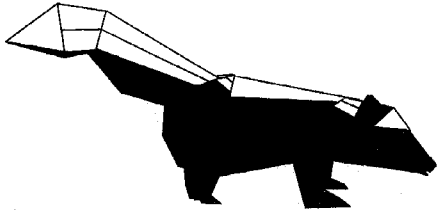
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Blue Jay

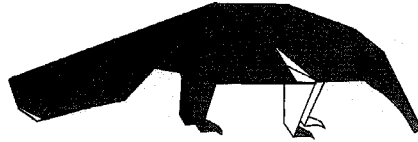
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Mammals



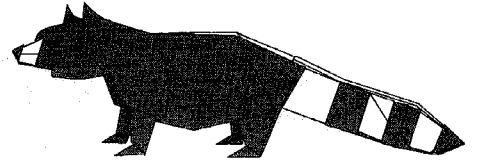
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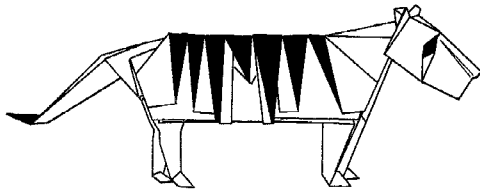
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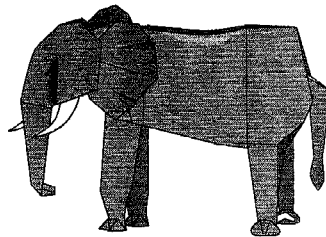
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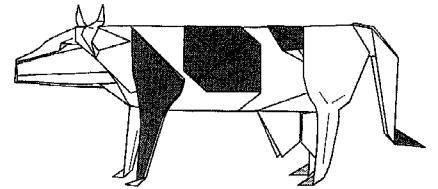
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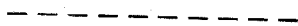


Holstein Cow

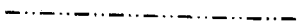
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Symbols

Lines



Valley fold, fold in front.



Mountain fold, fold behind.



Crease line.



X-ray or guide line.

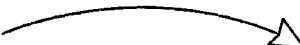
Arrows



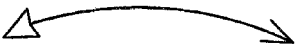
Fold in this direction.



Fold behind.



Unfold.



Fold and unfold.



Turn over.

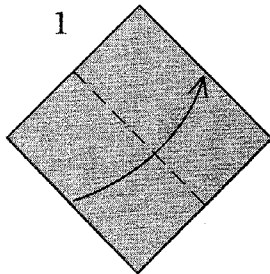
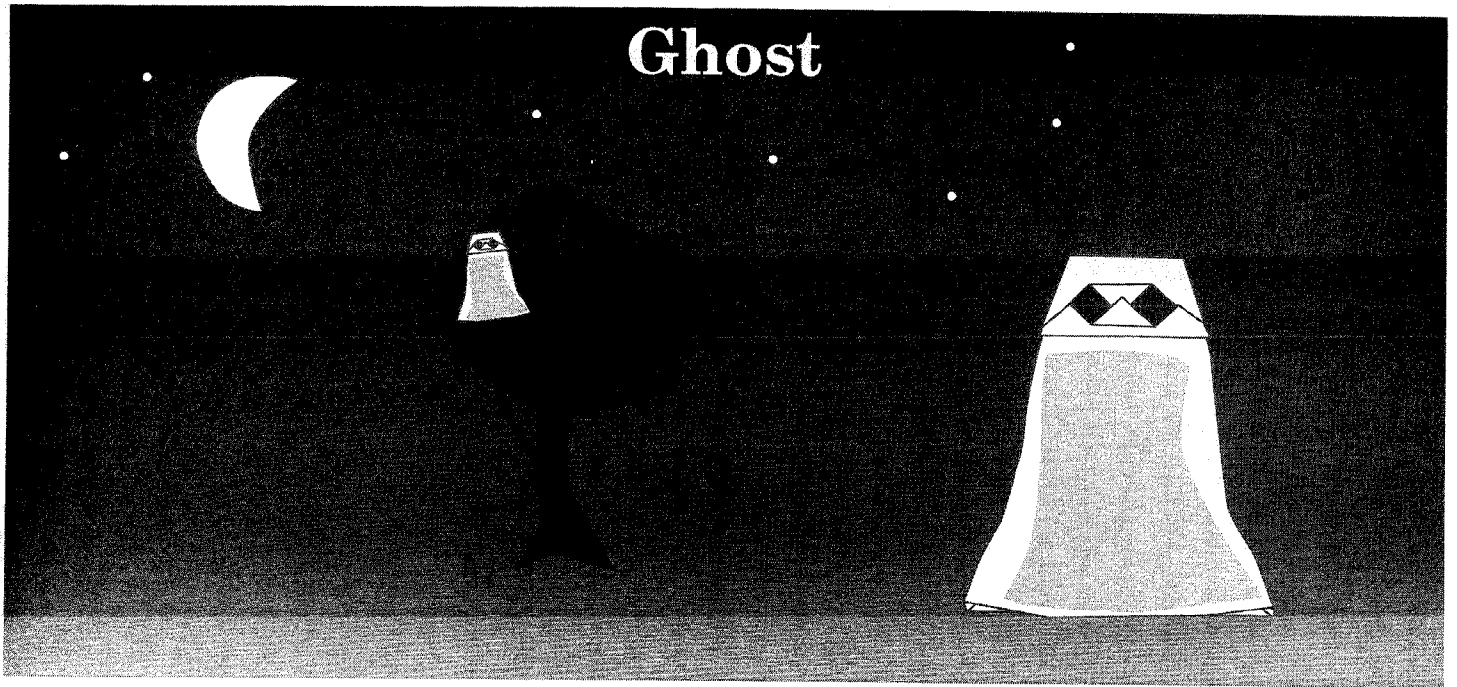


Sink or three dimensional folding.

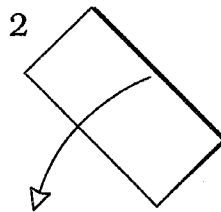


Place your finger between these layers.

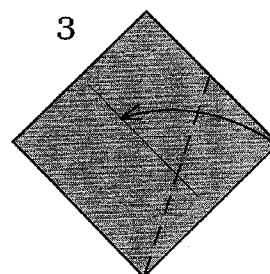
Ghost



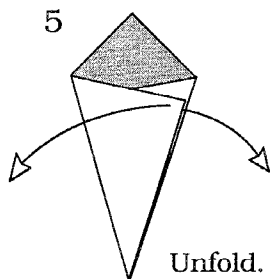
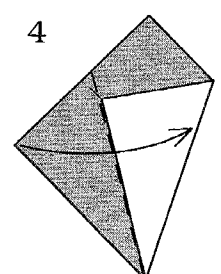
Fold in half.



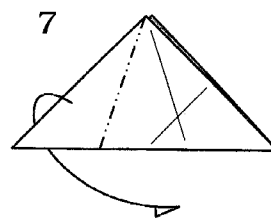
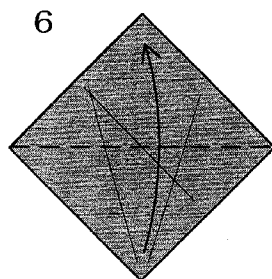
Unfold.



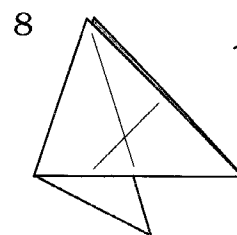
Fold the corner to the center line.



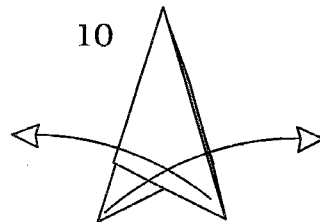
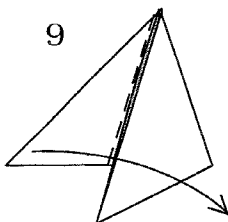
Unfold.



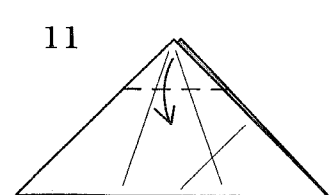
Fold behind along the crease.



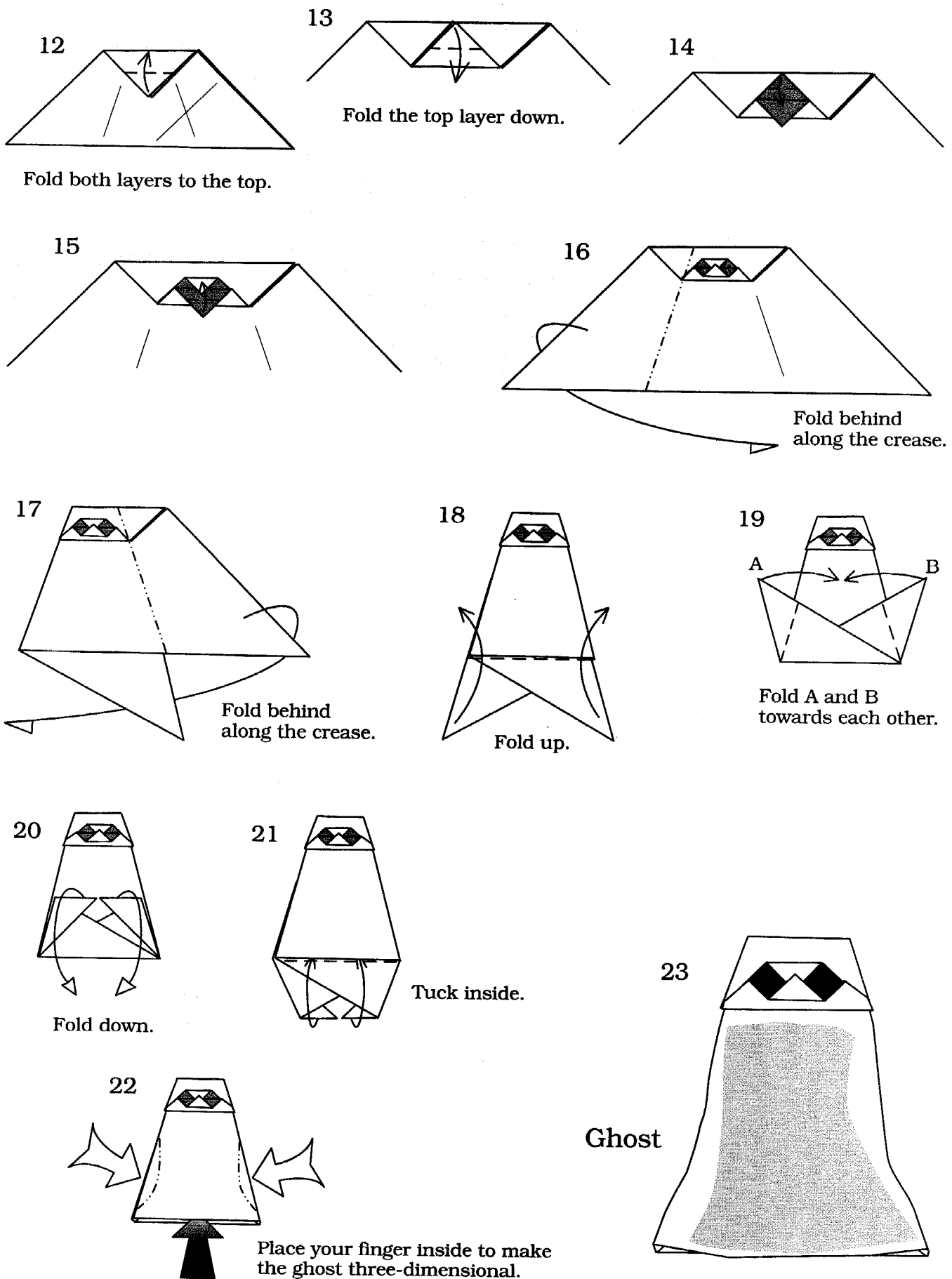
Turn over.



Unfold and turn over.



Fold both layers down. There are no guides for this fold.

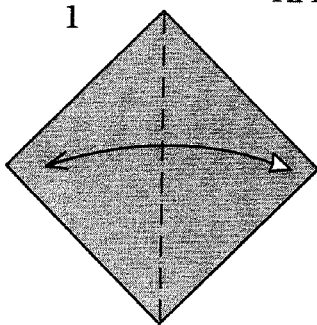
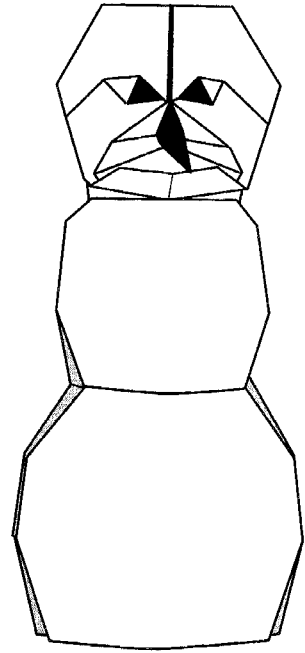


Snowman

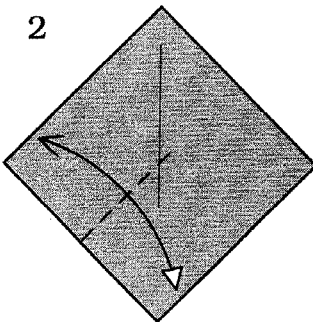
Ode to a Snowman

The snowman is such a trusty friend;
If it's cold he's in your yard for a week on end.
With his charcoal eyes and his carrot nose,
He only comes 'round when it really snows.
With white snow you build him up from the ground,
Unless of course the dog has been 'round.
He looks so regal ruling your place
'Til Mr. Sun comes about and melts him away.

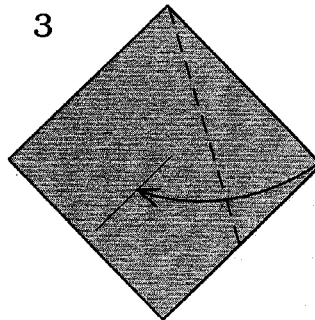
Tim Getman



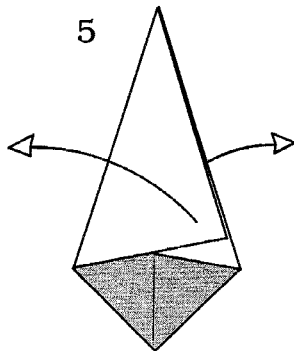
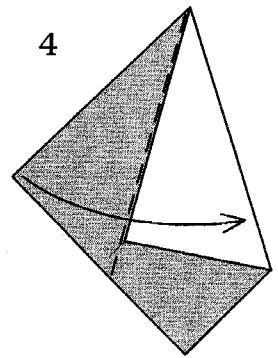
Fold and unfold.



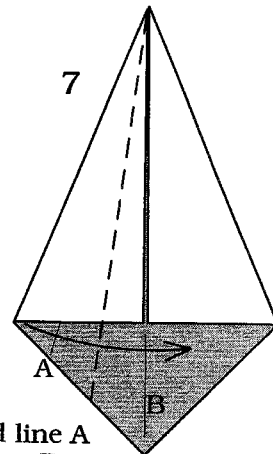
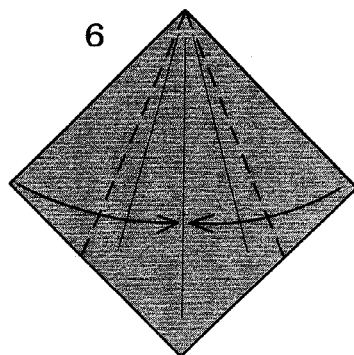
Fold and unfold.



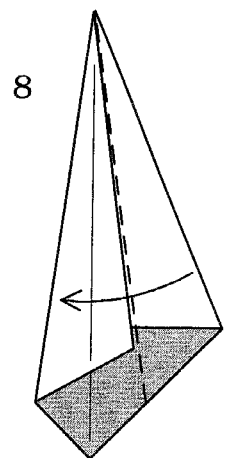
Fold the corner
to the center line.

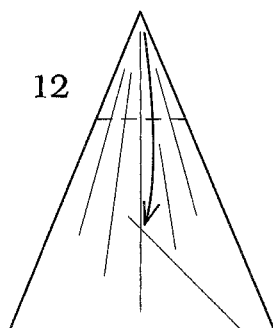
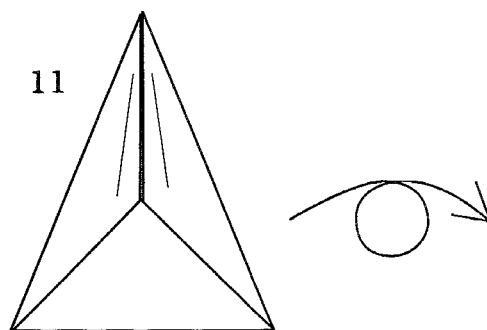
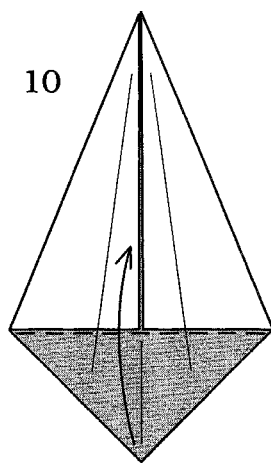
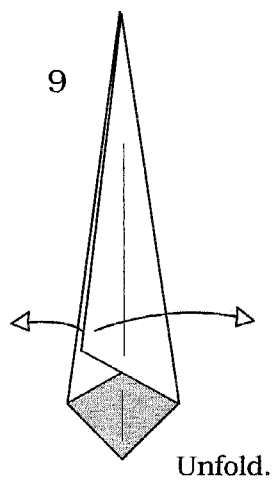


Unfold.

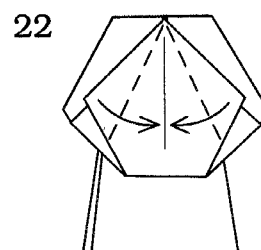
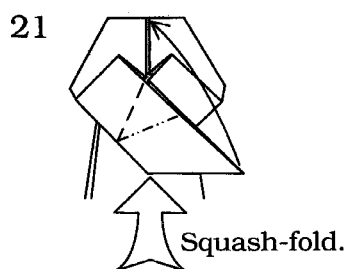
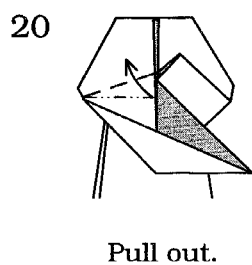
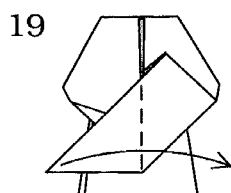
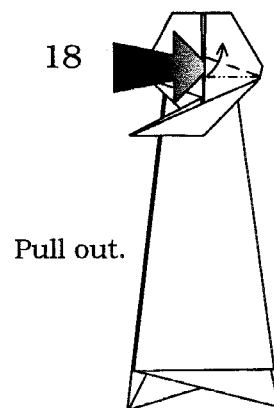
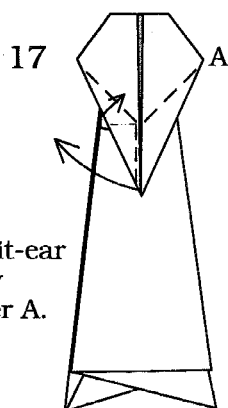
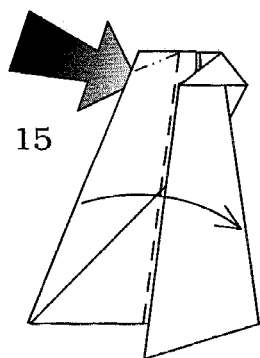
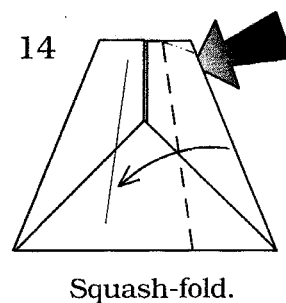
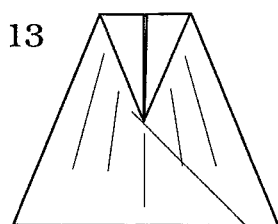


Fold line A
to line B.

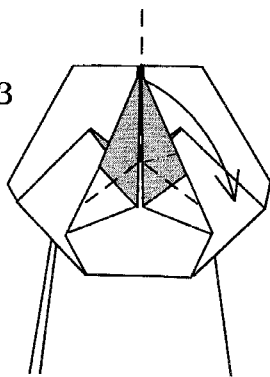




Fold down to the diagonal crease.

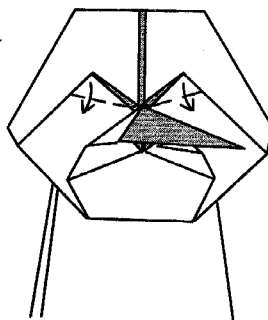


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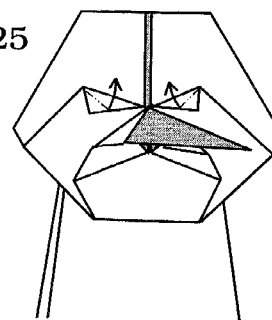


Rabbit-ear.

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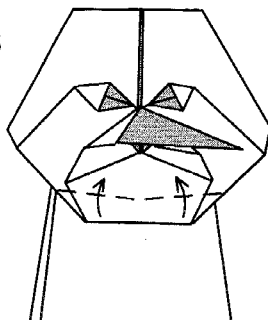


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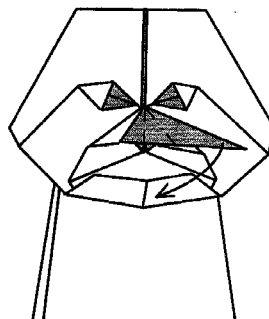


Squash folds.

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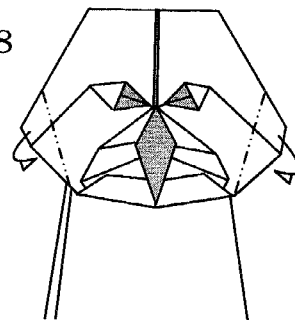


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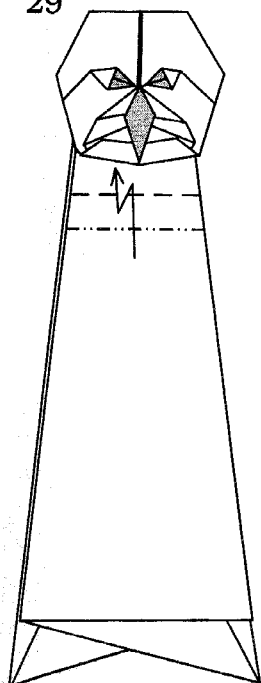


Squash-fold.

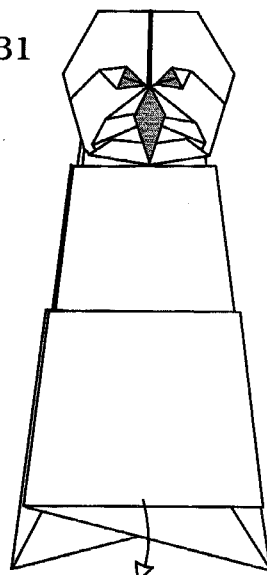
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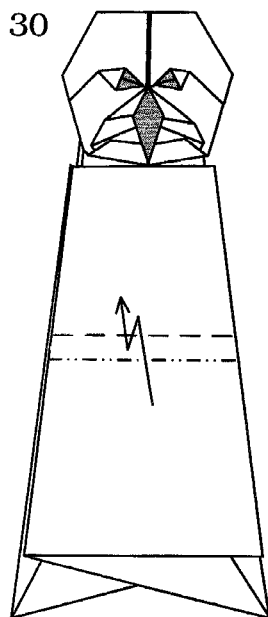


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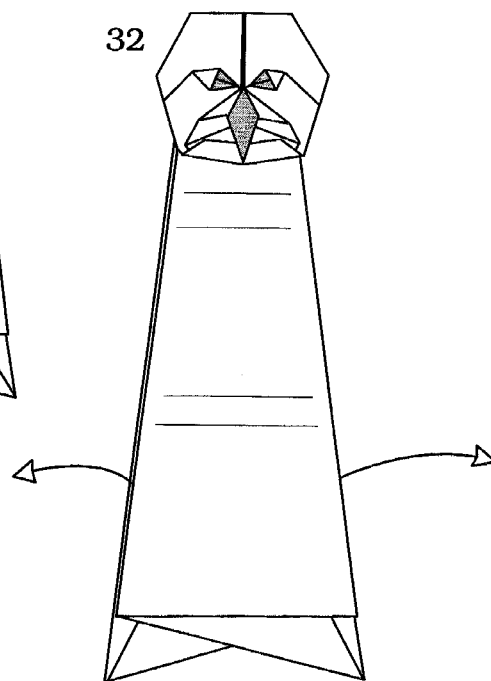


Unfold.

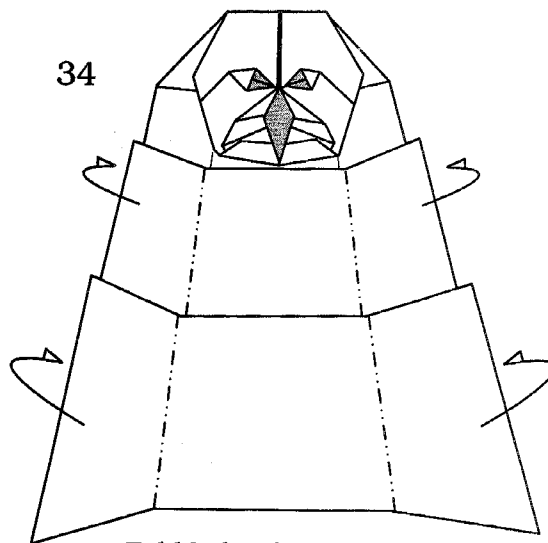
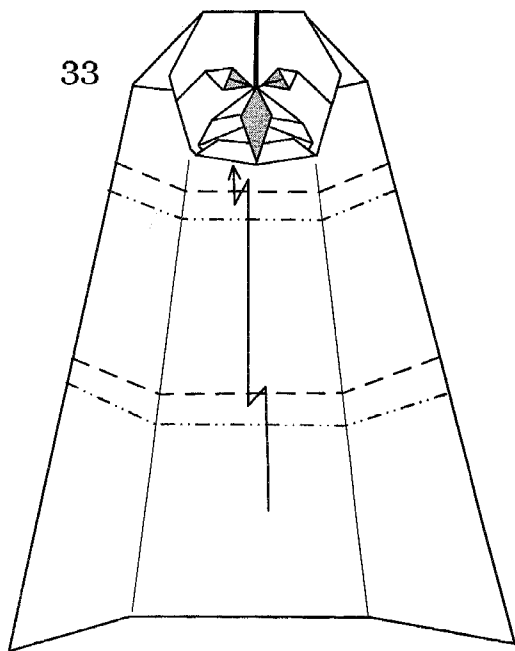
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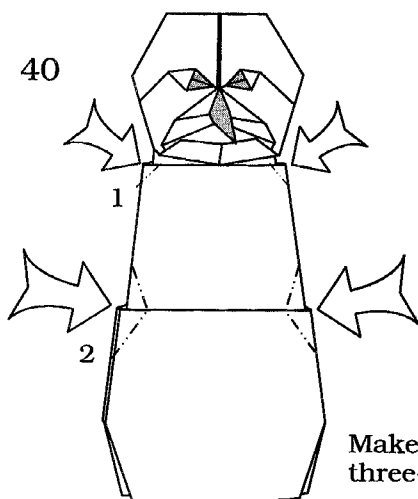
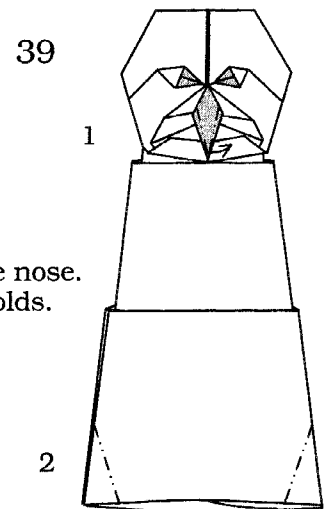
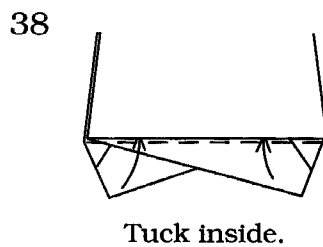
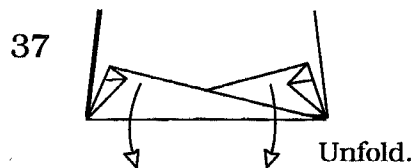
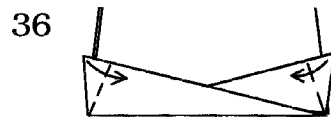
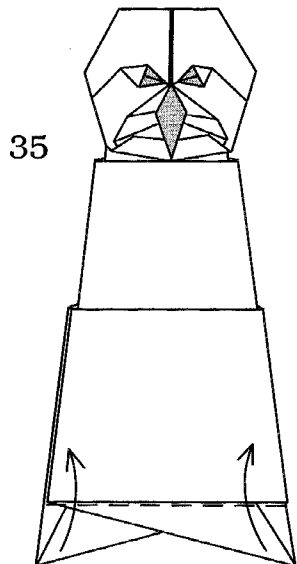
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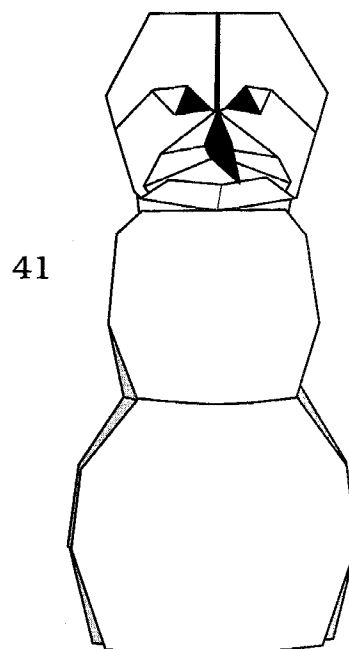
Unfold.



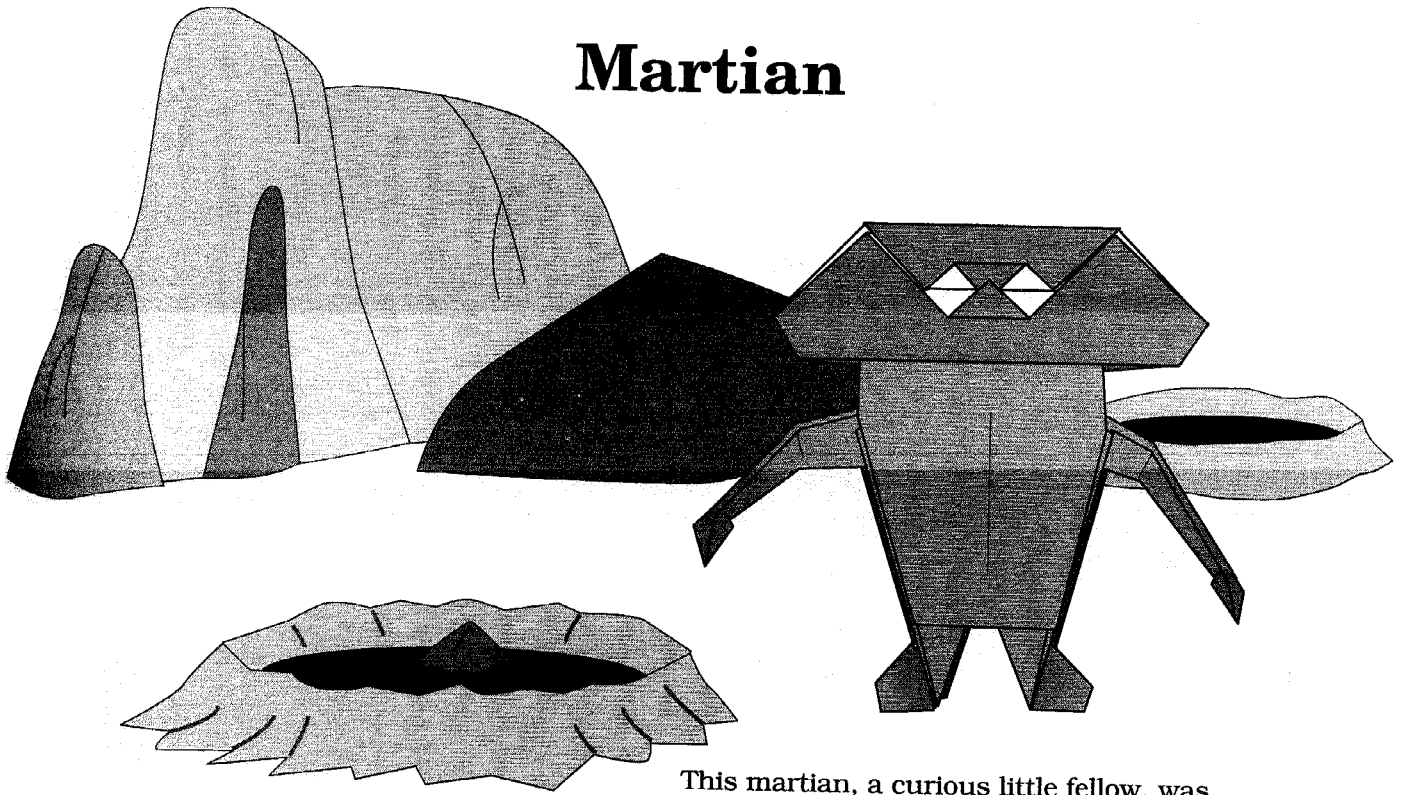
Fold behind and tuck one side inside the other.



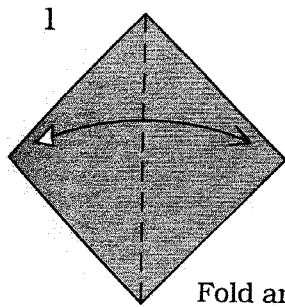
Make the snowman three-dimensional.



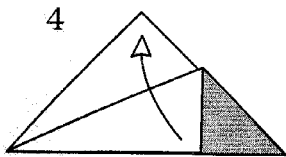
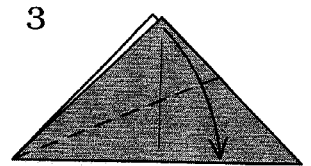
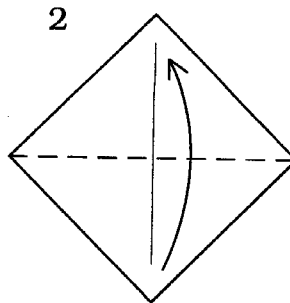
Martian



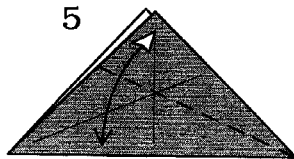
This martian, a curious little fellow, was discovered on a recent exploratory mission to the red planet. One should beware of this creature as he vaporized the survey team after their initial pictures were sent back. Remember when folding him that he emits mean beams.



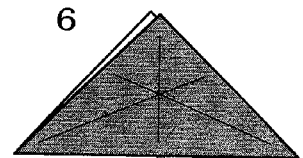
Fold and unfold.



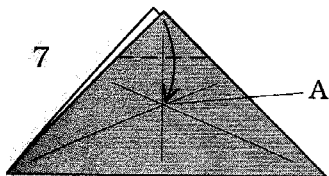
Unfold.



Fold down and unfold.



Repeat steps 3-5 behind.



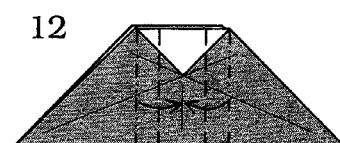
Fold down to A.
Repeat behind.



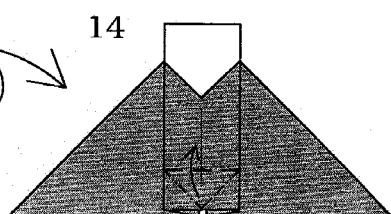
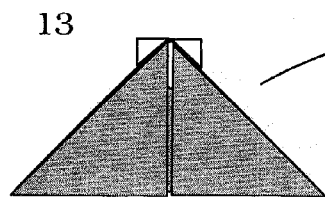
Unfold.



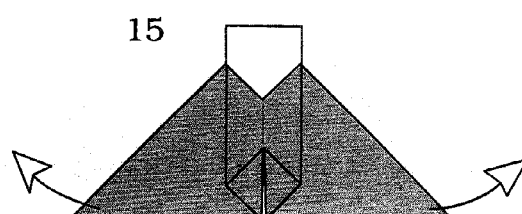
Fold and unfold.



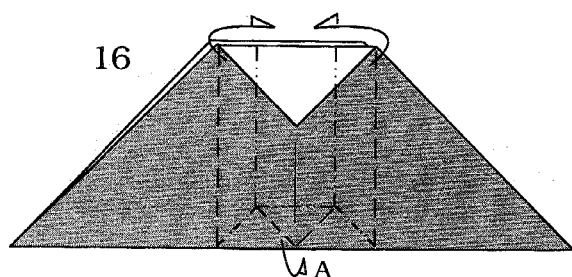
Unfold. Repeat behind.



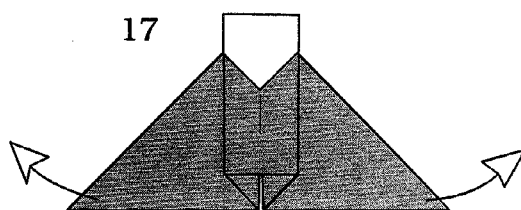
Petal-fold.



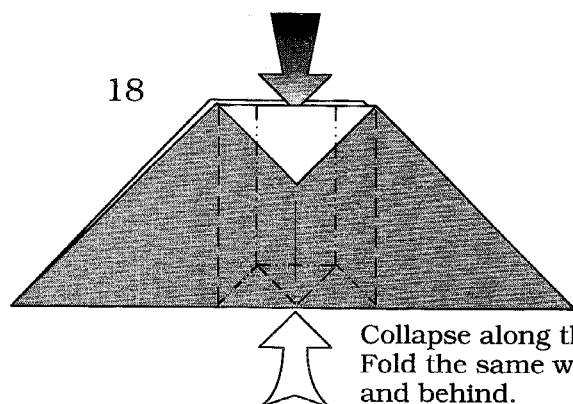
Unfold.



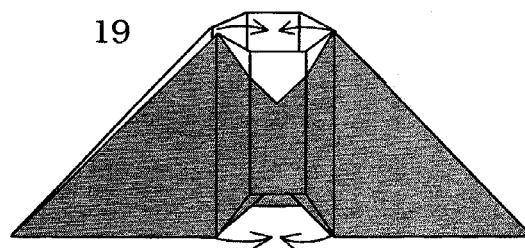
Refold bringing A behind and up.



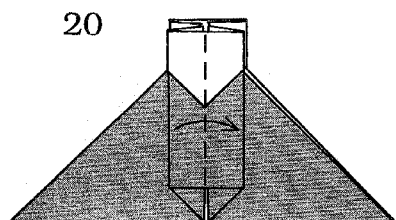
Unfold.



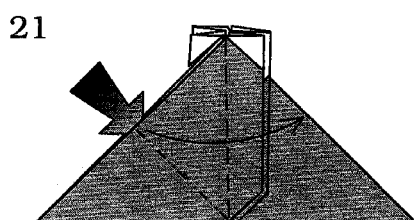
Collapse along the creases.
Fold the same way in front
and behind.



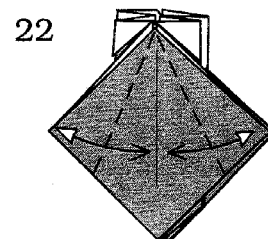
An intermediate
three-dimensional step.



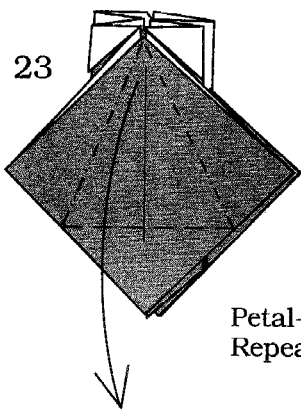
Repeat behind.



Squash-fold. Repeat behind.

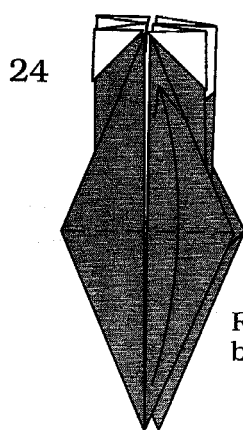


Fold and unfold.



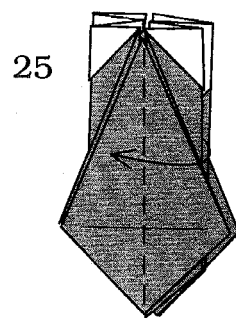
23

Petal-fold.
Repeat behind.



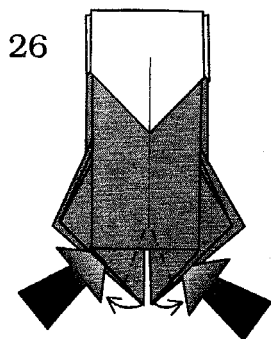
24

Repeat
behind.



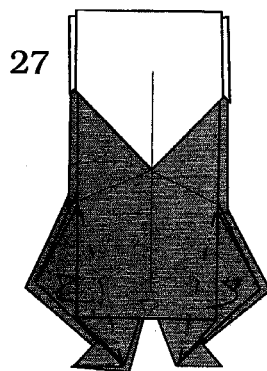
25

Repeat behind.



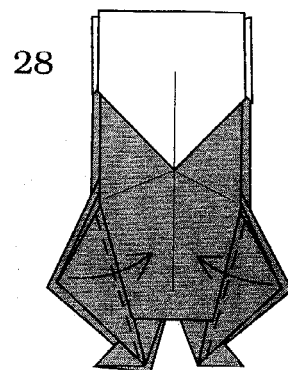
26

Reverse folds.



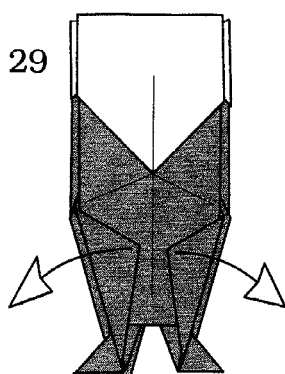
27

Repeat behind.



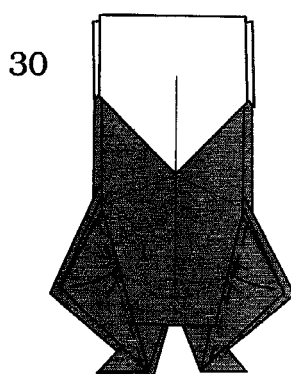
28

Repeat behind.



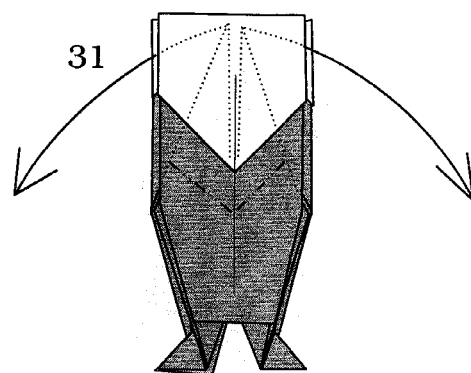
29

Unfold. Repeat
behind.



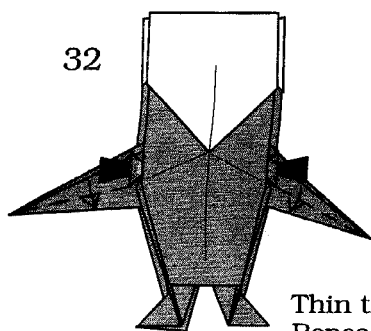
30

Tuck inside.
Repeat behind.



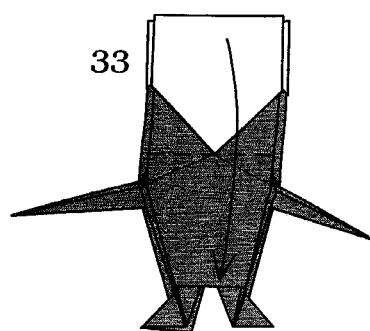
31

Reverse folds.

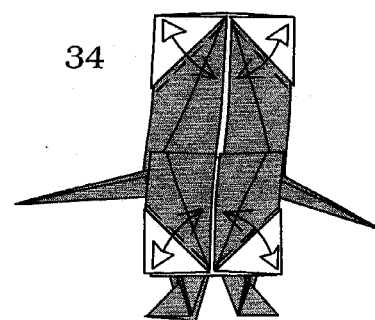


32

Thin the arms.
Repeat behind.

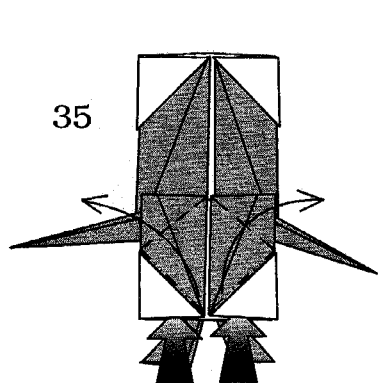


33

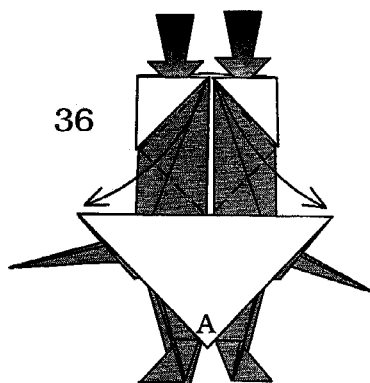


34

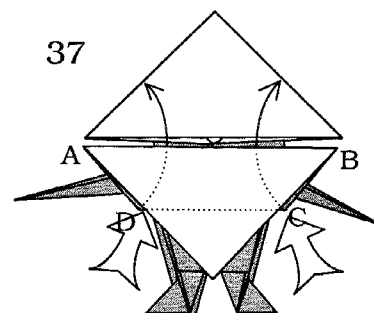
Fold and unfold.



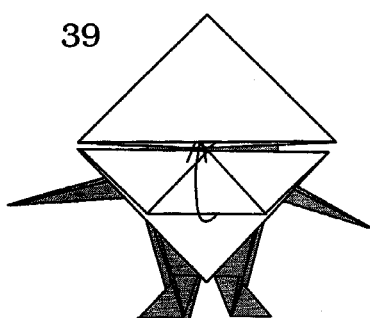
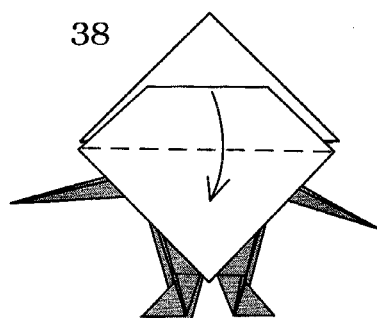
35
Corner A—see the next step—will come out while making these squash folds.



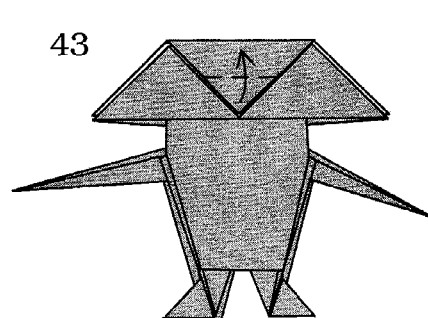
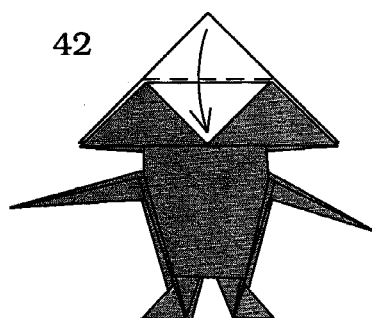
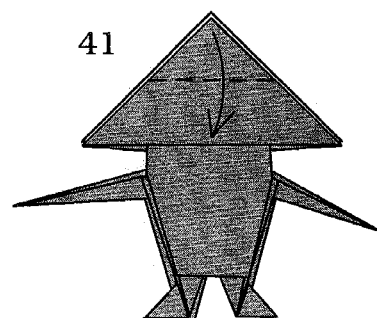
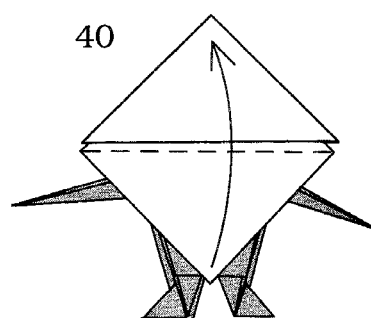
36
Squash folds.



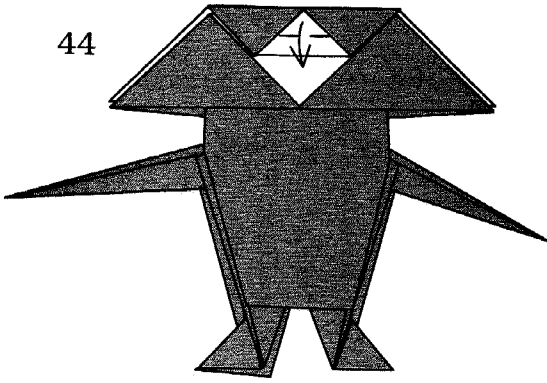
37
Fold region ABCD inside-out.



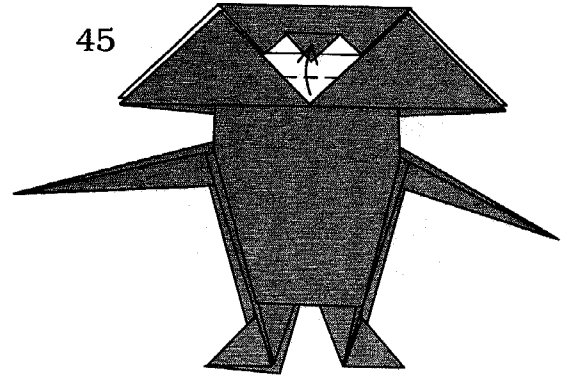
38
Tuck inside.



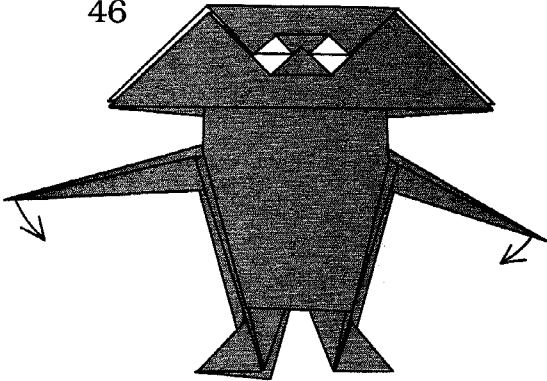
44



45

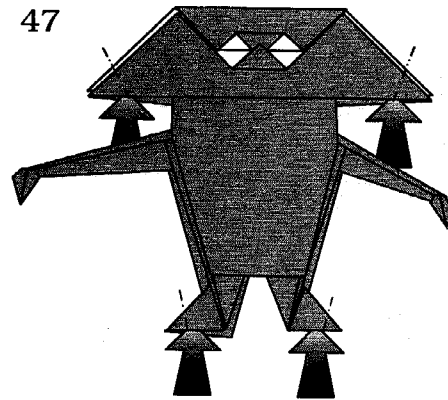


46



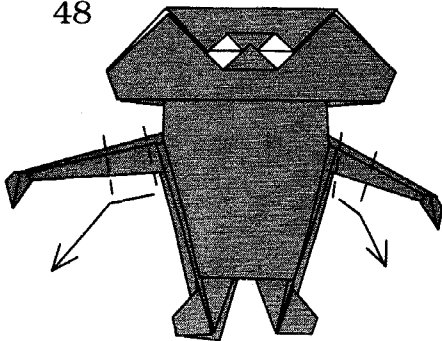
Spread some paper
to form the hands.

47



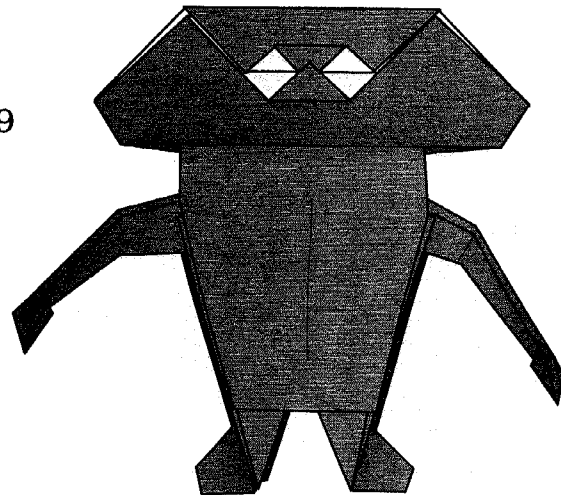
Four reverse folds.

48



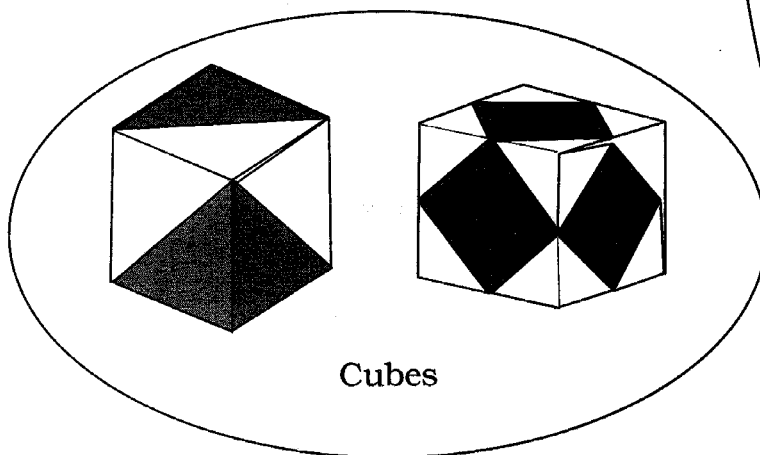
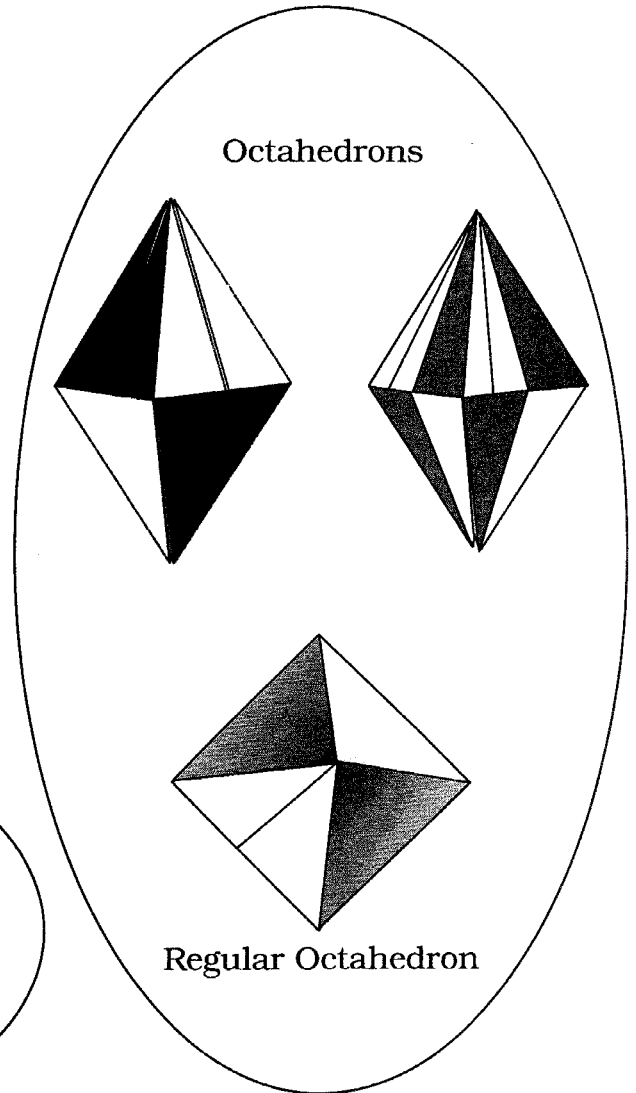
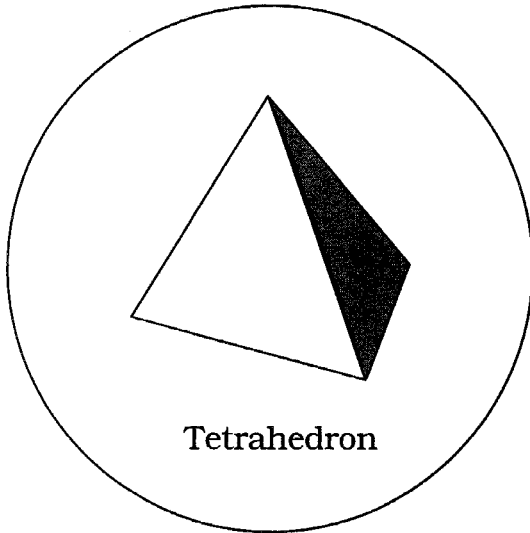
Bend the arms. Adjust the
feet so the Martian can stand.

49

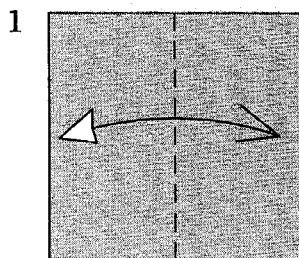


Martian

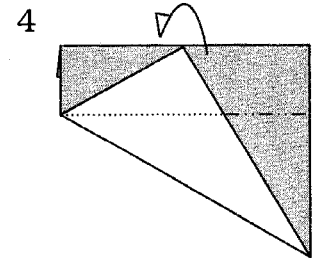
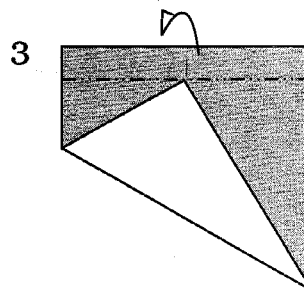
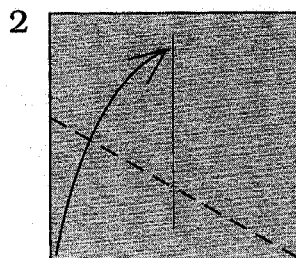
Geometrics

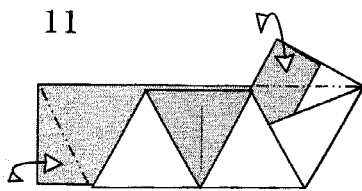
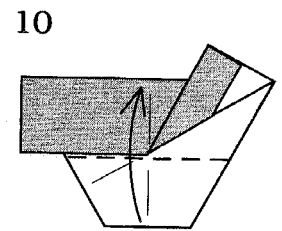
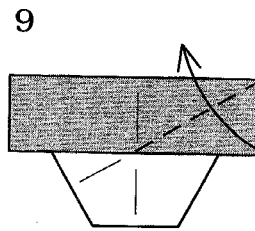
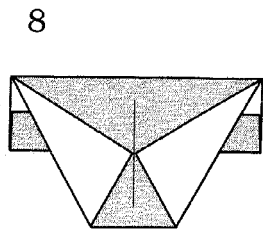
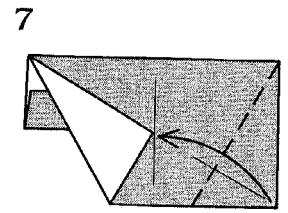
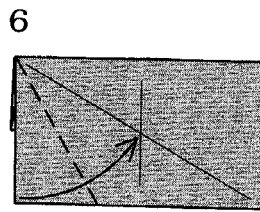
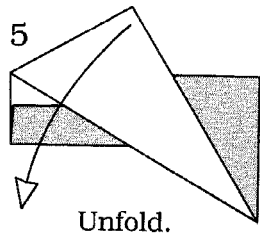


Tetrahedron

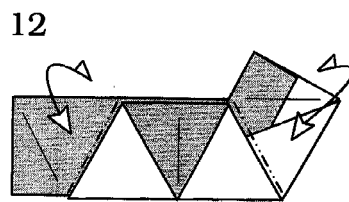


Fold and unfold.

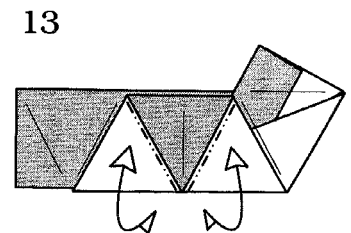




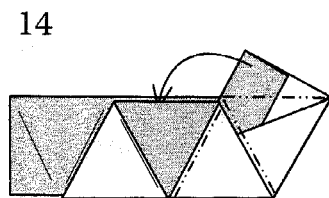
Fold behind and unfold.



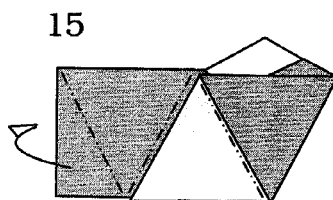
Fold behind and unfold.



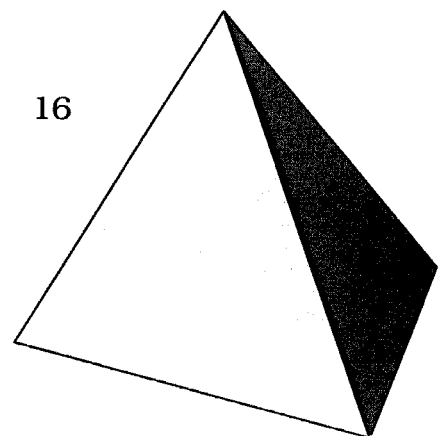
Fold behind and unfold.



Tuck inside.

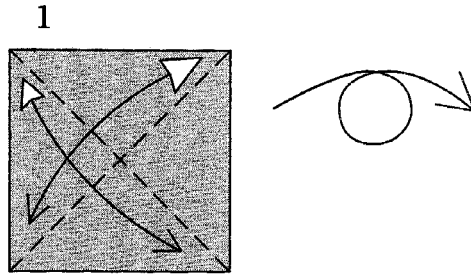
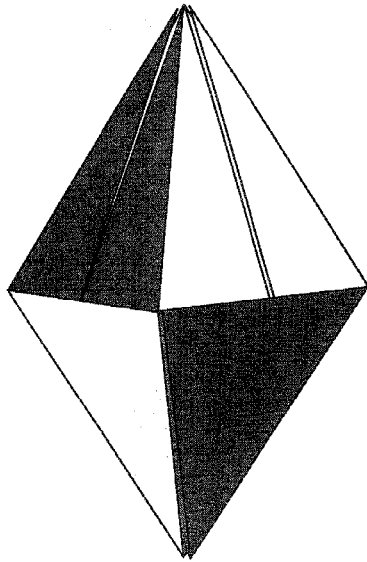


Wrap around and tuck inside.

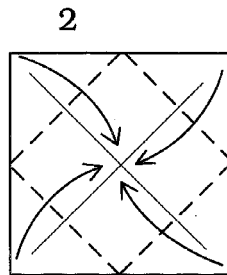


Tetrahedron

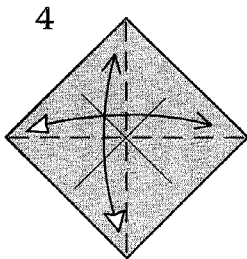
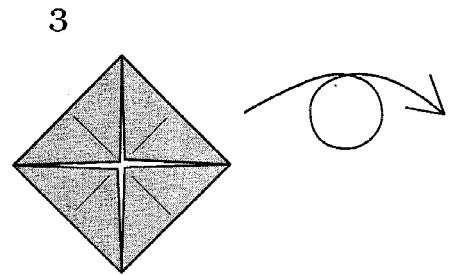
Diamond of Triangles



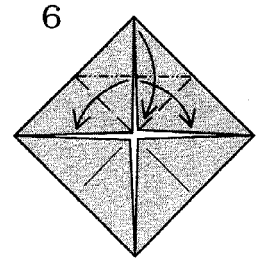
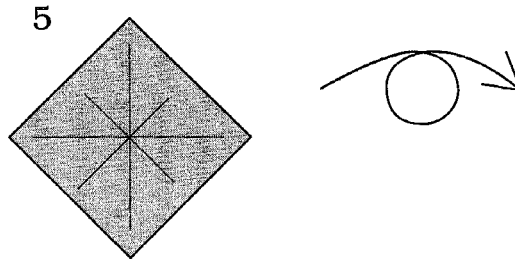
Fold and unfold
along the diagonals.



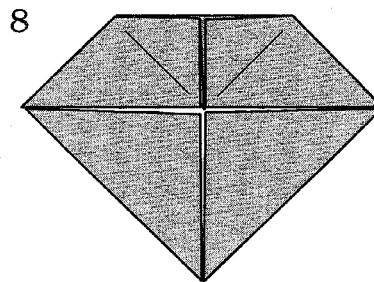
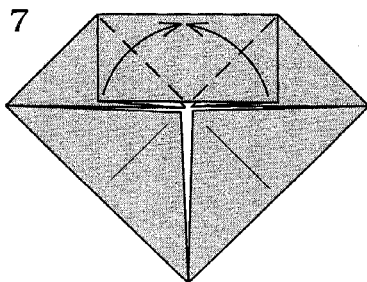
Fold the corners
to the center.



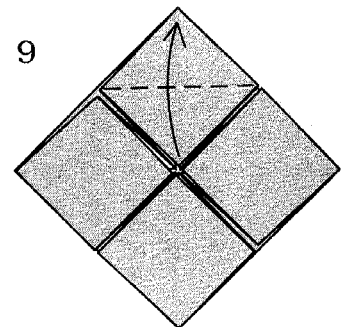
Fold and unfold
along the diagonals.



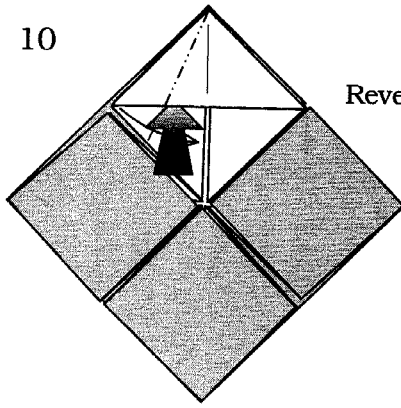
Open up.



Repeat steps 6-7 on
three sides and rotate.

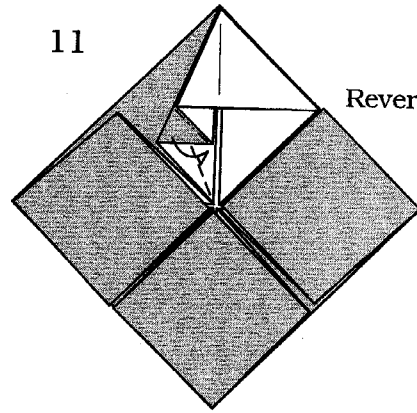


10



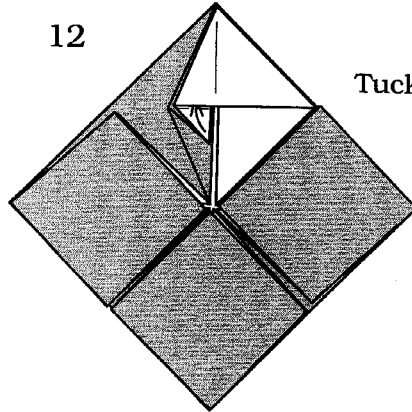
Reverse-fold.

11



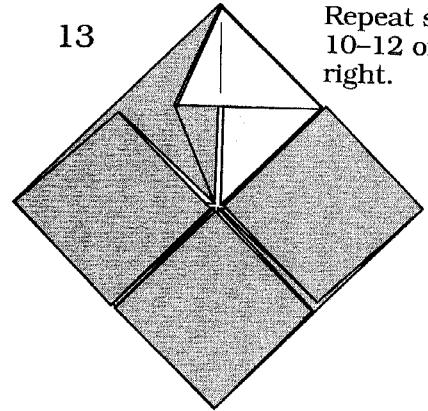
Reverse-fold.

12



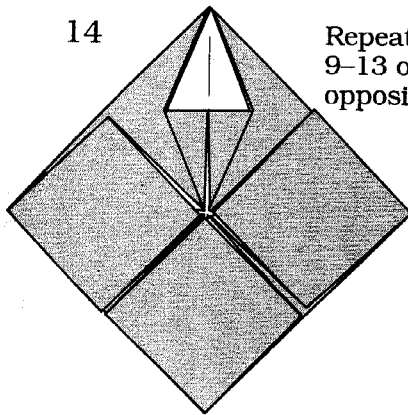
Tuck inside.

13



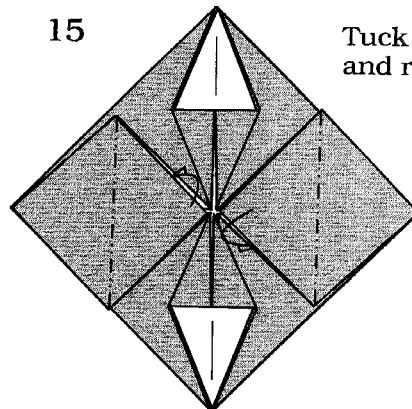
Repeat steps 10-12 on the right.

14



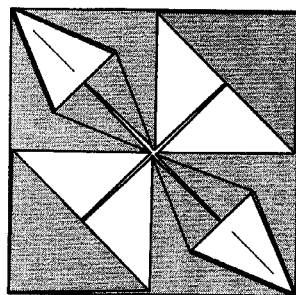
Repeat steps 9-13 only on the opposite corner.

15

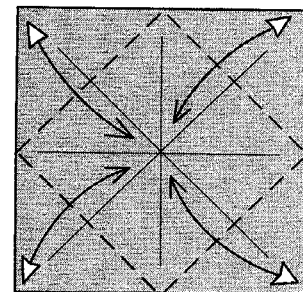


Tuck inside and rotate.

16

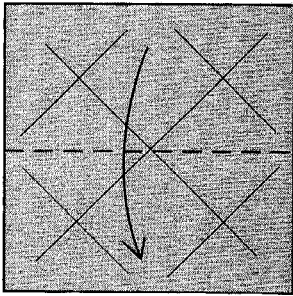


17

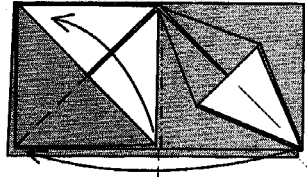


Fold and unfold.

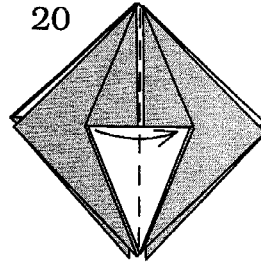
18



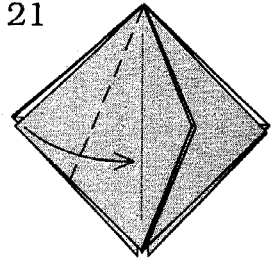
19



20

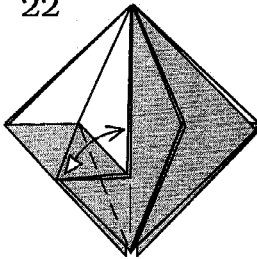


21



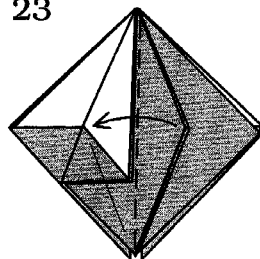
Fold both layers.

22

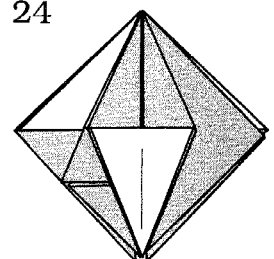


Fold and unfold.

23

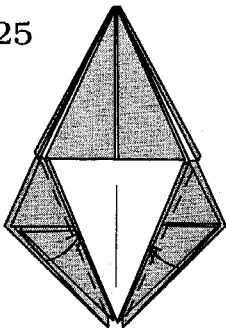


24



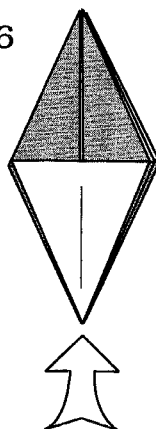
Repeat steps 20–23 on the right and behind.

25



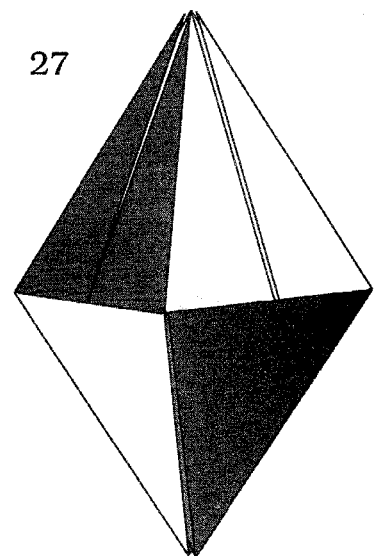
Tuck inside, repeat behind.

26



Inflate.

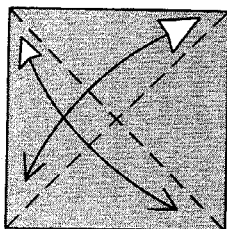
27



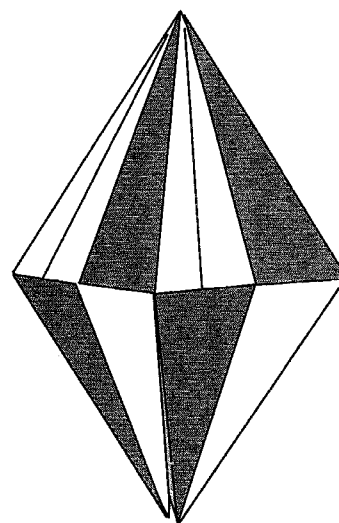
Diamond of Triangles

Diamond of Many Triangles

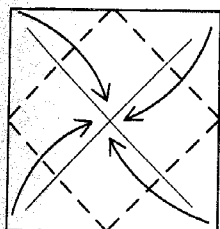
1



Fold and unfold
along the diagonals.

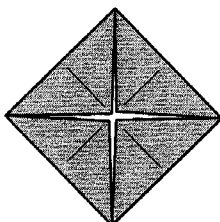


2

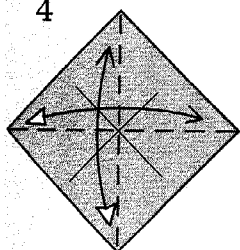


Fold the corners
to the center.

3

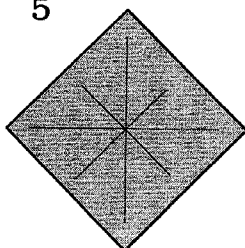


4

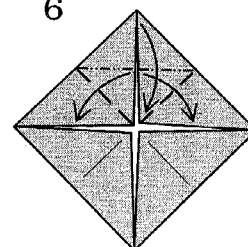


Fold and unfold
along the diagonals.

5

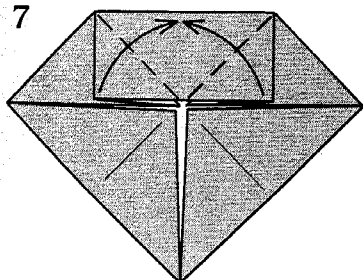


6

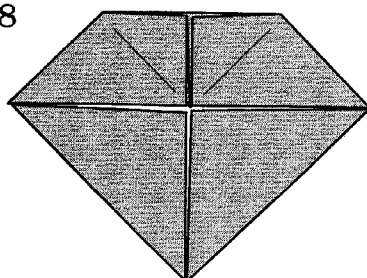


Open up.

7

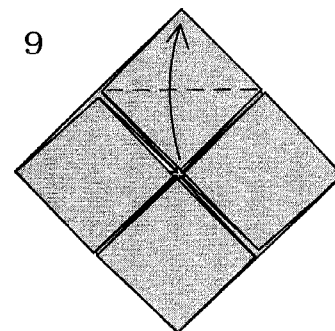


8

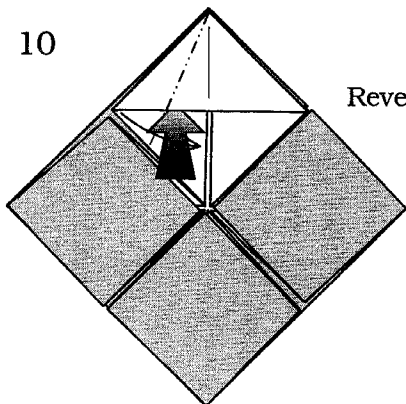


Repeat steps 6-7 on
three sides and rotate.

9

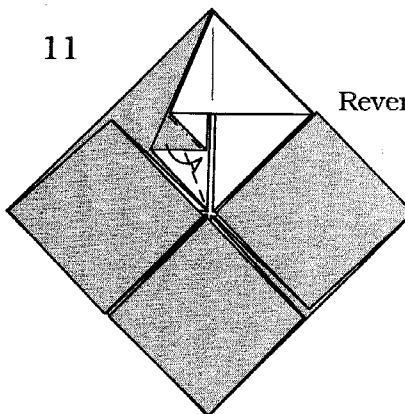


10



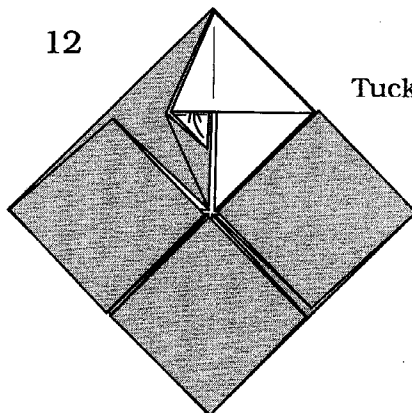
Reverse fold.

11



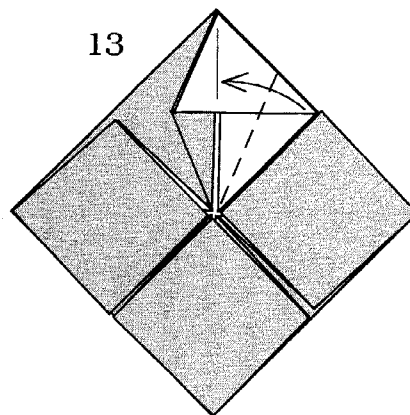
Reverse fold.

12

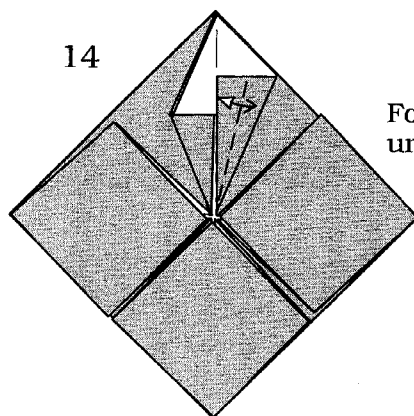


Tuck inside.

13

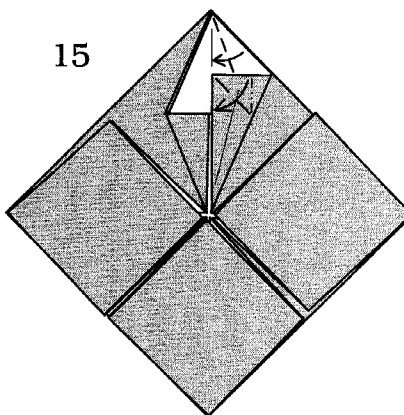


14

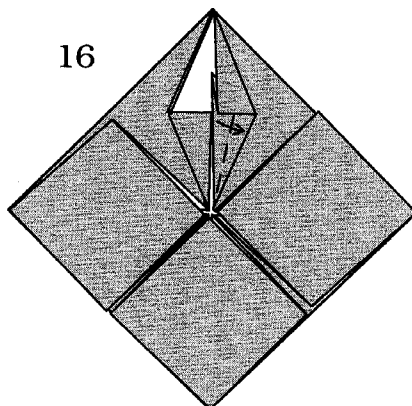


Fold and
unfold.

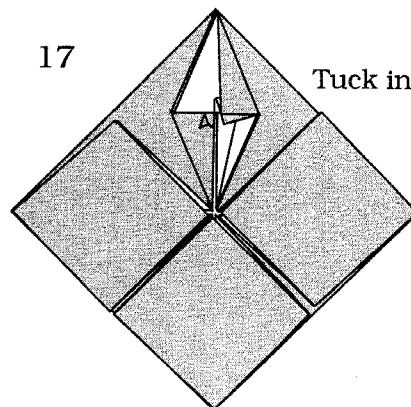
15



16

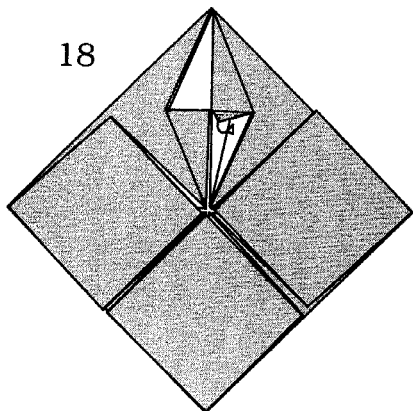


17

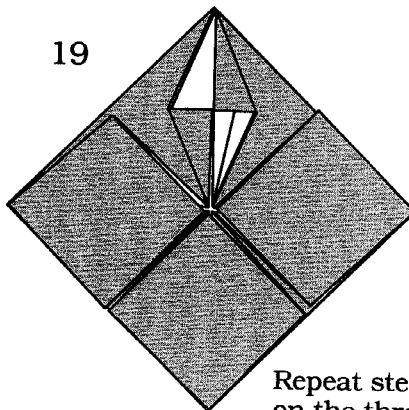


Tuck inside.

18

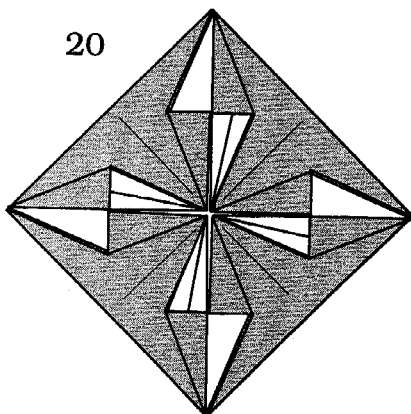


19

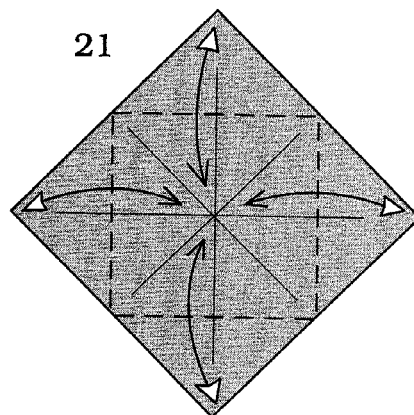


Repeat steps 9–18
on the three sides.

20

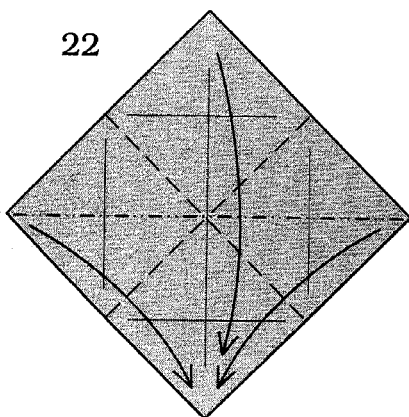


21

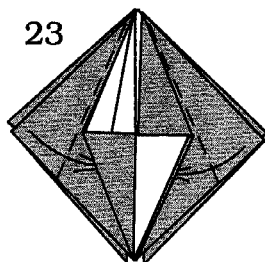


Fold and unfold.

22

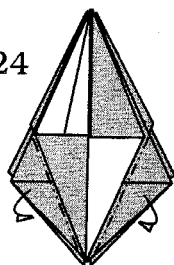


23



Tuck inside,
repeat behind.

24



Tuck inside,
repeat behind.

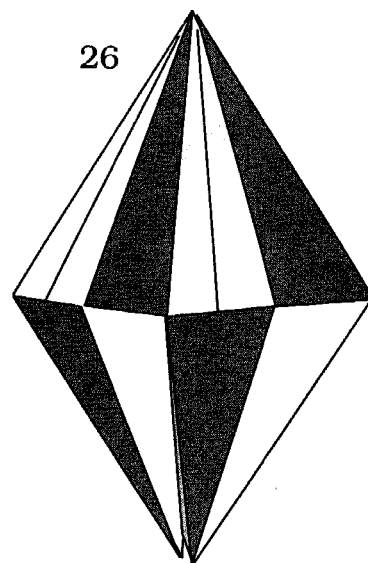
25



Inflate.

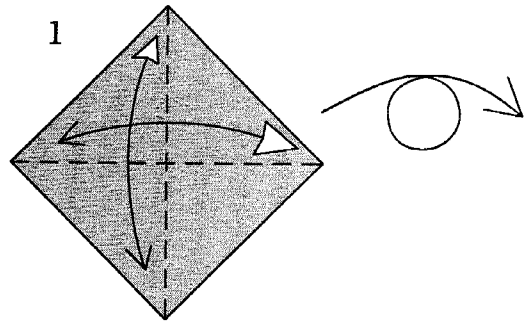
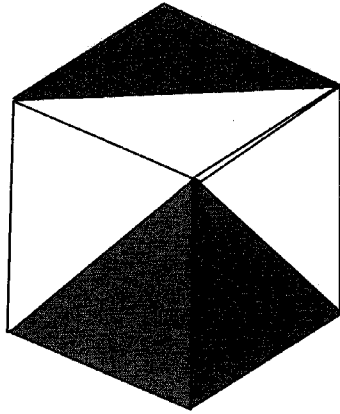


26

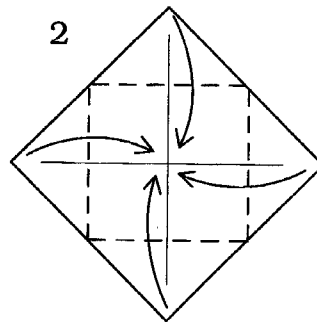


Diamond of
Many Triangles

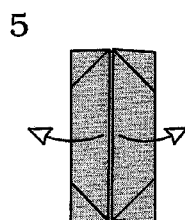
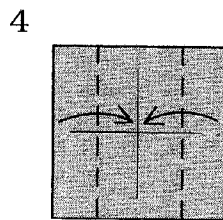
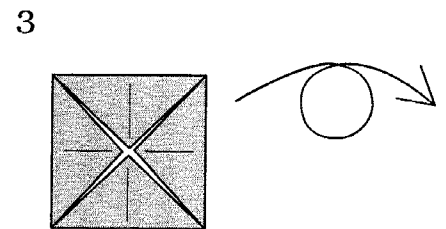
Cube of Triangles



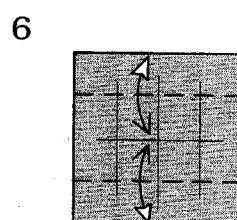
Fold and unfold
along the diagonals.



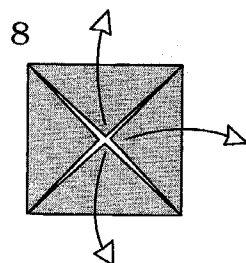
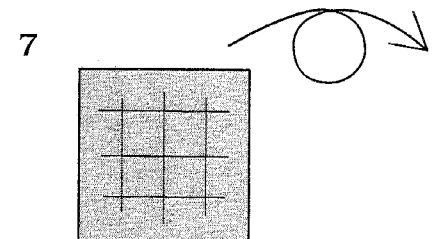
Fold the corners
to the center.



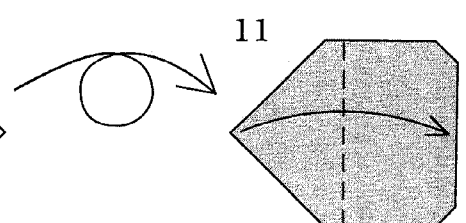
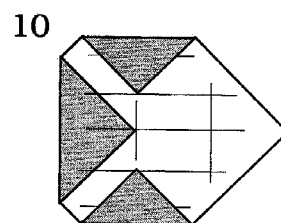
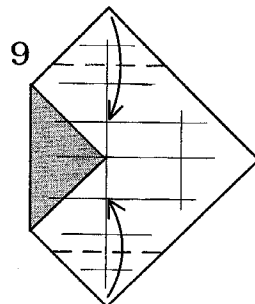
Unfold.

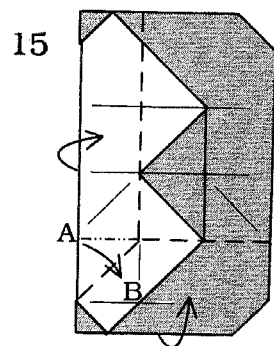
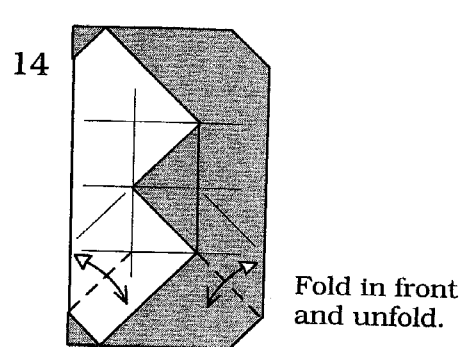
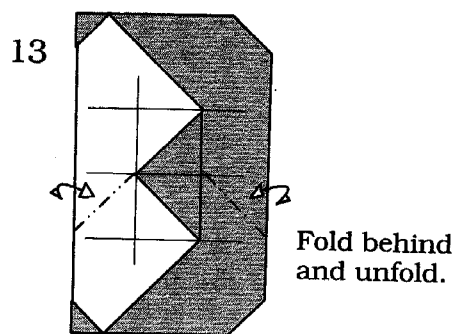
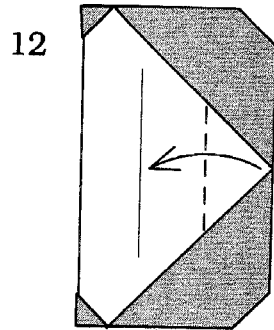


Fold and unfold.

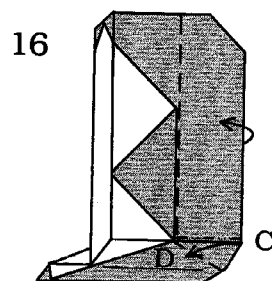


Unfold three sides.

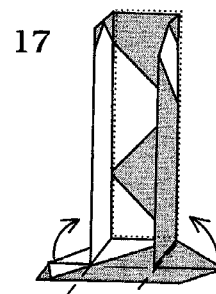




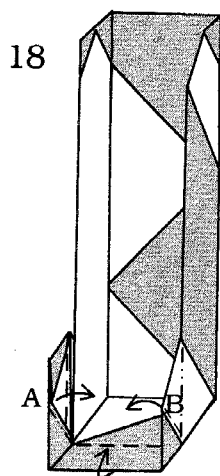
Fold A to B by lifting the left and bottom sides up forming a three-dimensional shape.



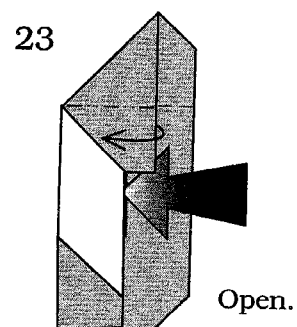
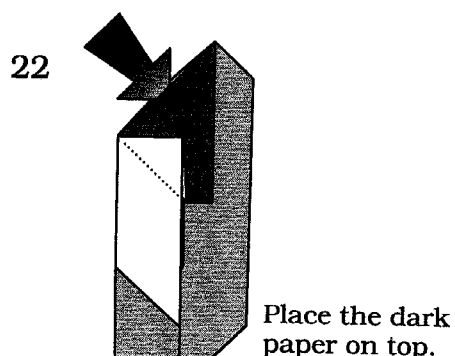
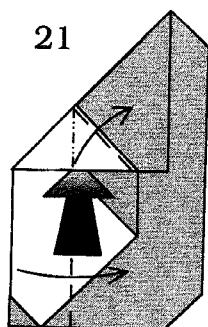
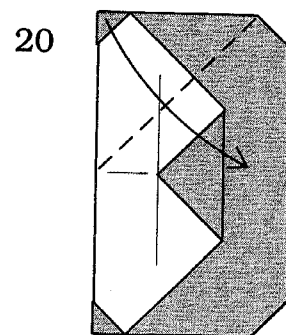
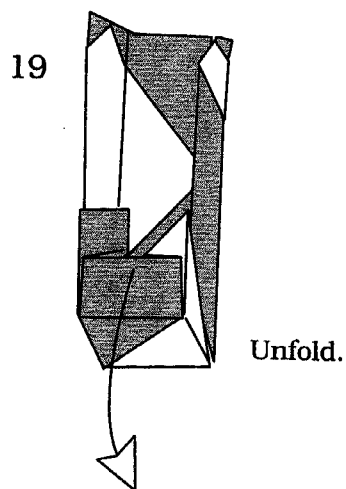
Fold C to D.

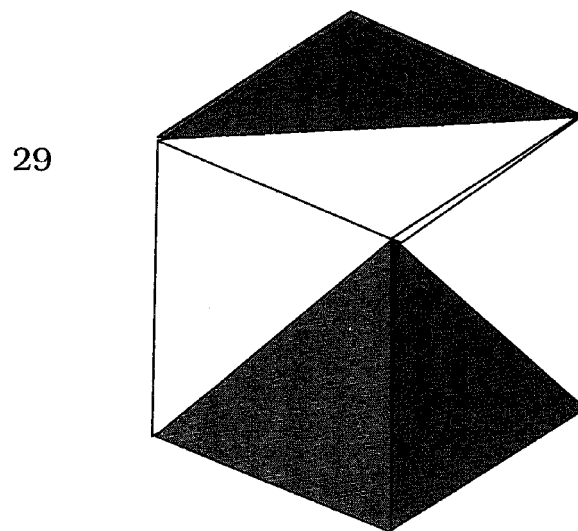
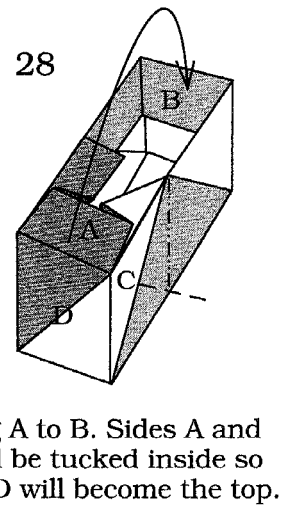
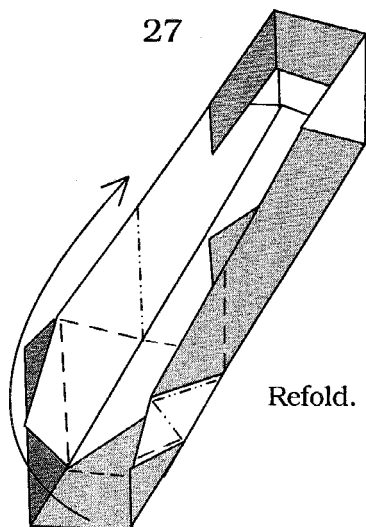
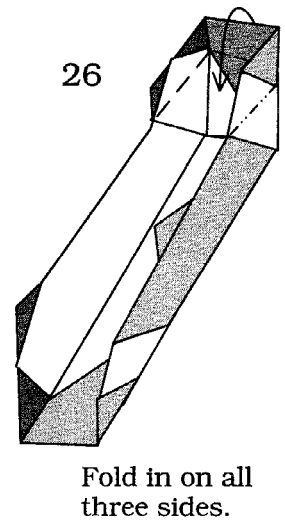
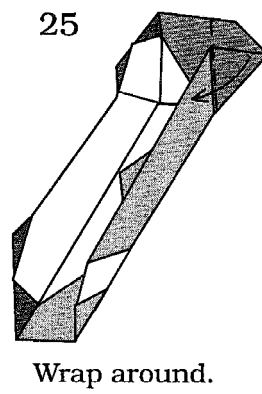
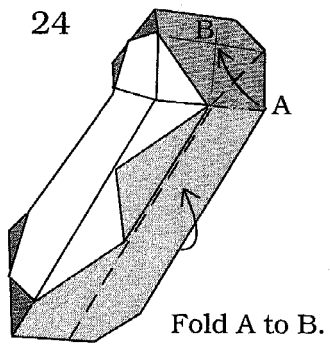


Orient the model so the dotted side is on the table. Wrap the sides around.



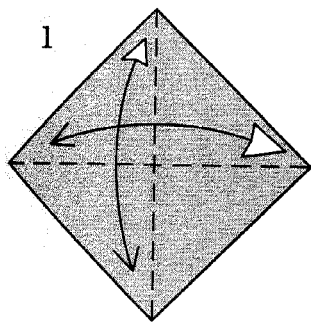
Fold A and B towards each other.



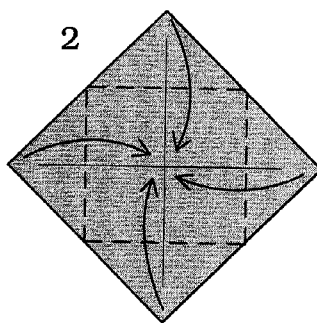


Cube of Triangles

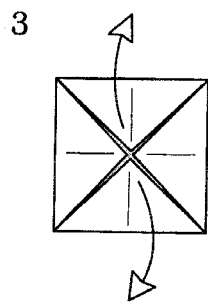
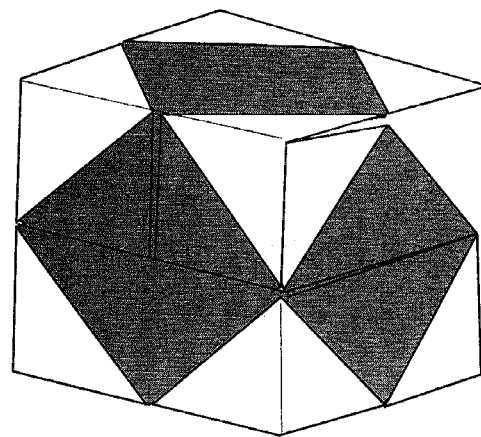
Cube of Squares



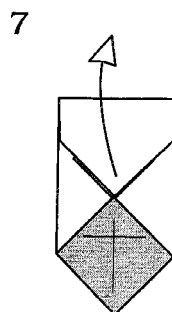
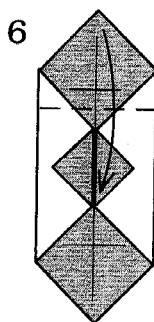
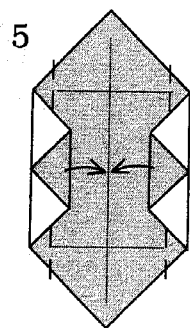
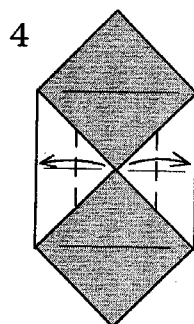
Fold and unfold along the diagonals.



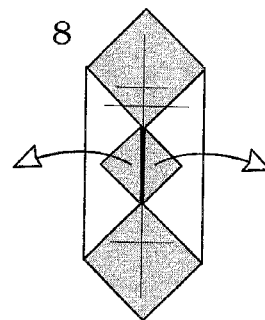
Fold the corners to the center.



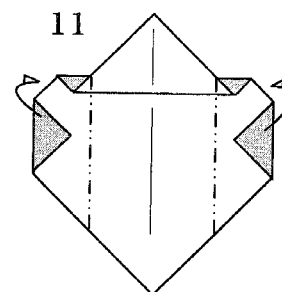
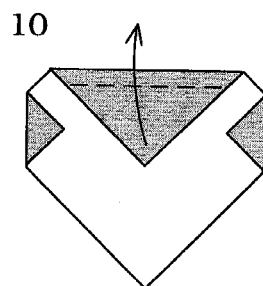
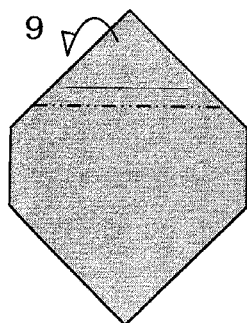
Unfold.

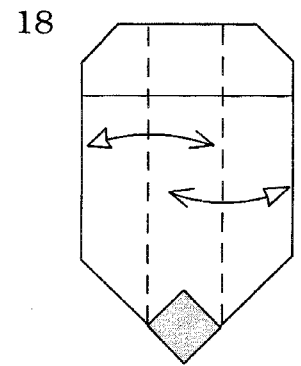
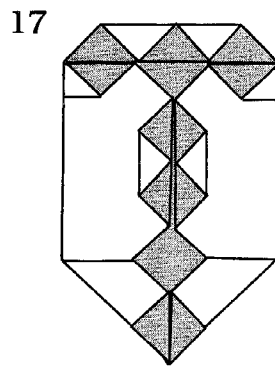
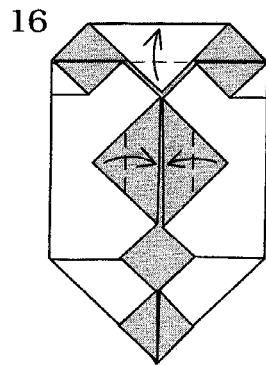
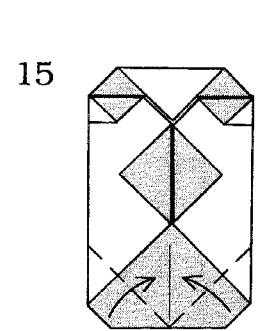
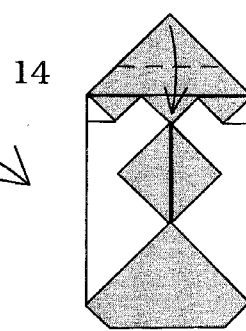
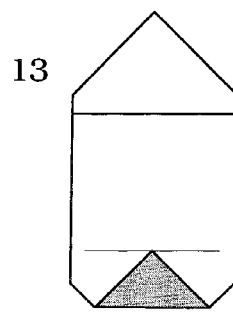
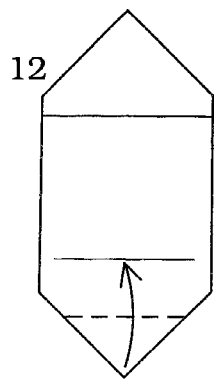


Unfold.

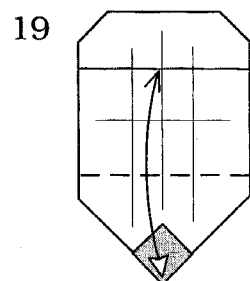


Unfold.

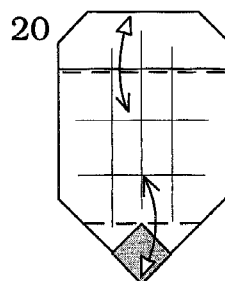




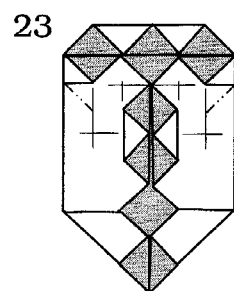
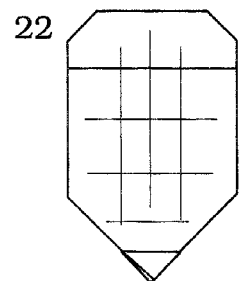
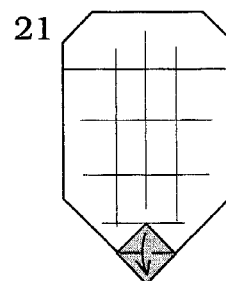
Fold and unfold.



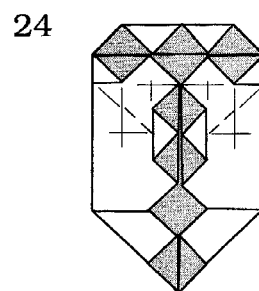
Fold and unfold.



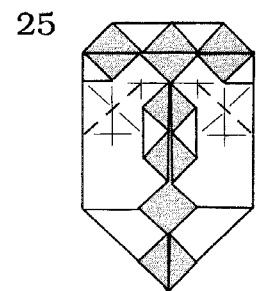
Fold and unfold.



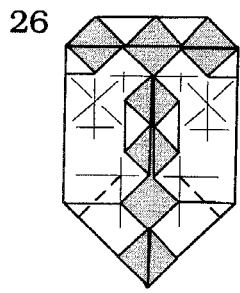
Fold and unfold.



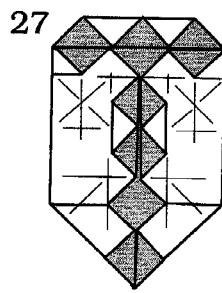
Fold and unfold.



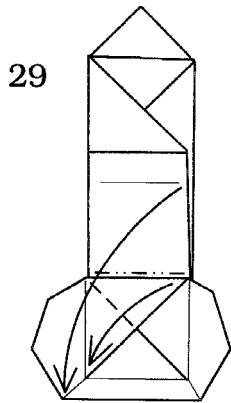
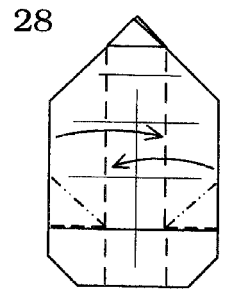
Fold and unfold.



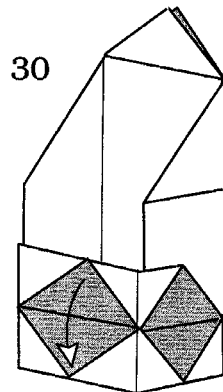
Fold and unfold.



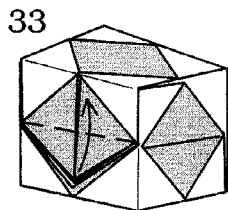
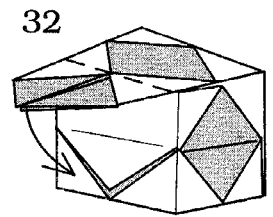
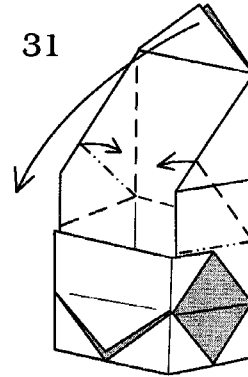
Turn over and rotate.



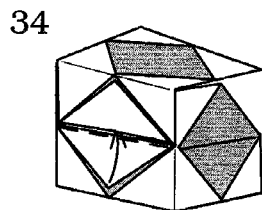
Repeat on the right.



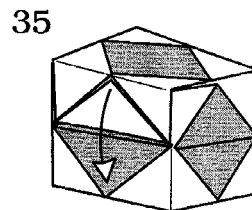
Unfold.



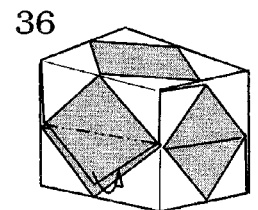
Fold two layers up.



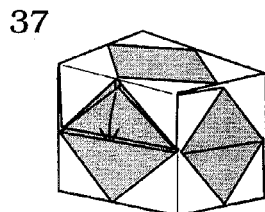
Tuck inside.



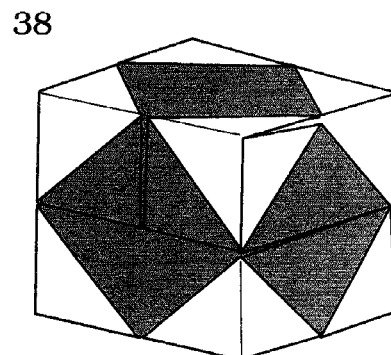
Unfold one layer.



Fold behind the lower layer.

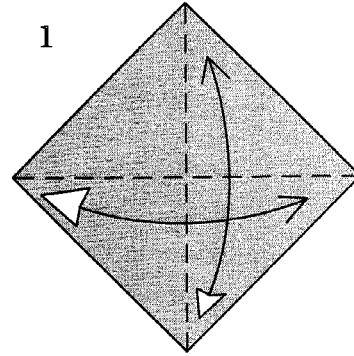
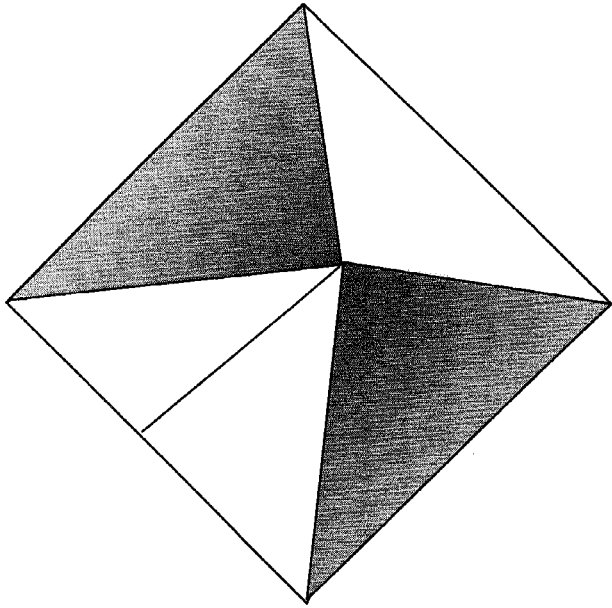


Tuck inside.

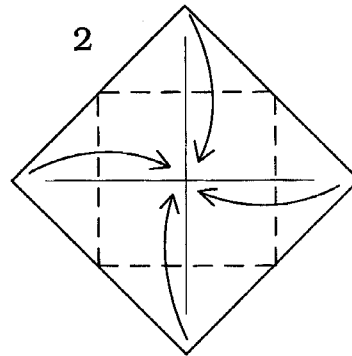
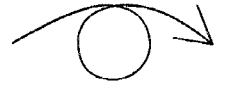


Cube of Squares

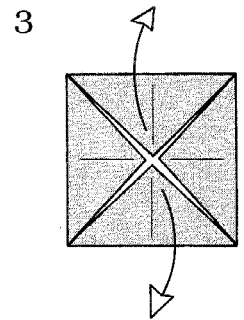
Octahedron



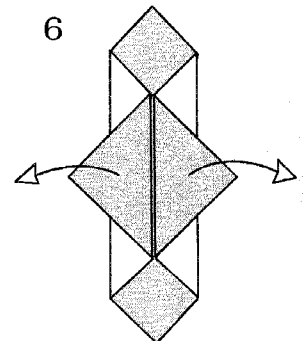
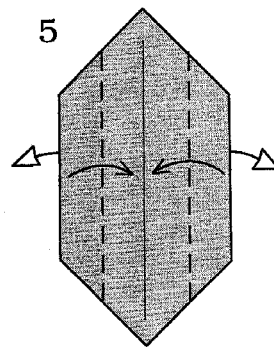
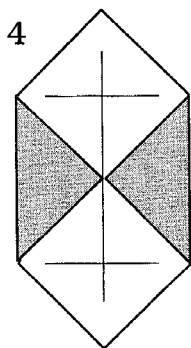
Fold and unfold
along the diagonals



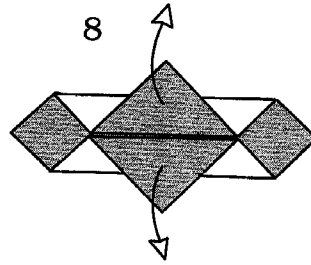
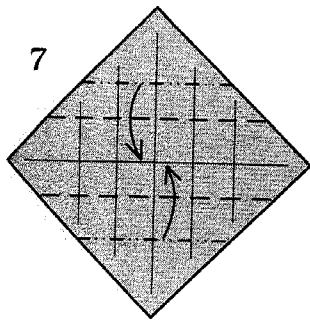
Fold the corners
to the center.



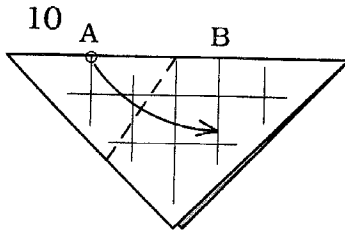
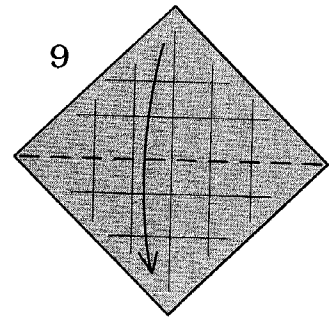
Unfold.



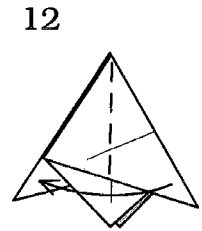
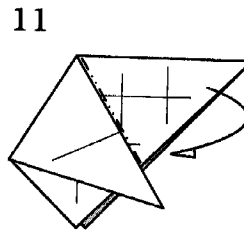
Unfold.



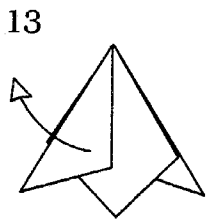
Unfold.



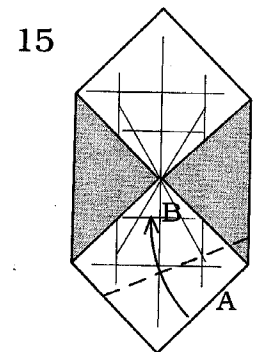
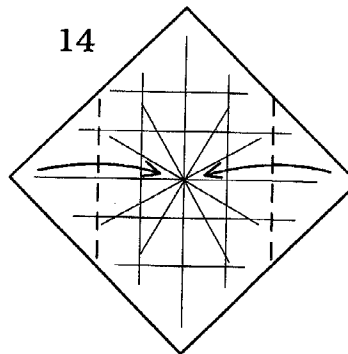
Fold point A to line B.



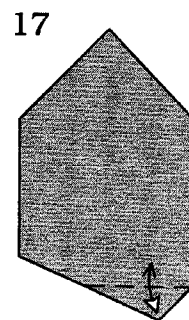
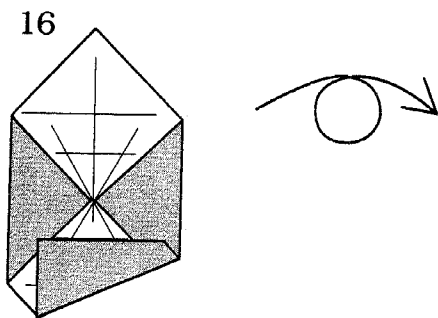
Repeat behind.



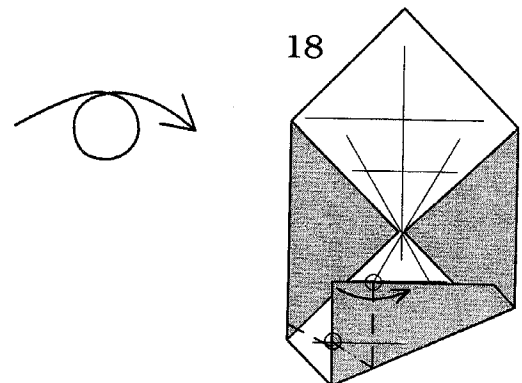
Unfold.



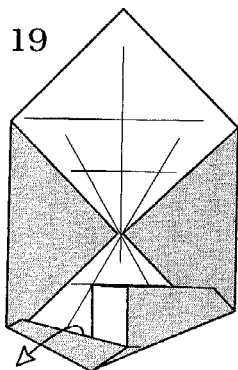
Fold line A to line B.



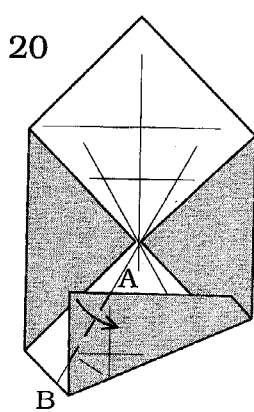
Fold up and unfold
along the crease.



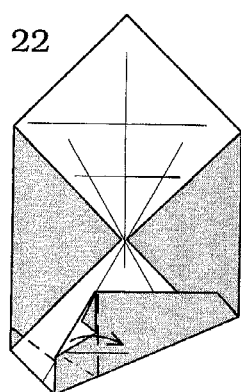
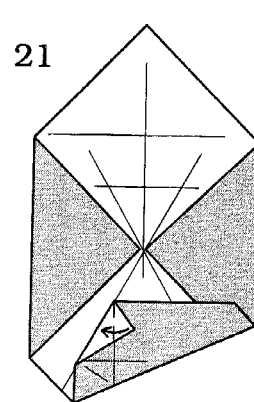
Squash-fold.



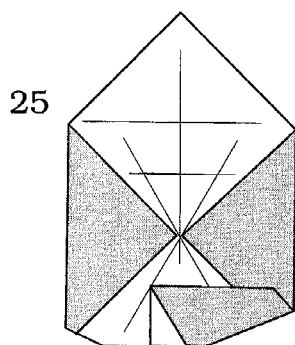
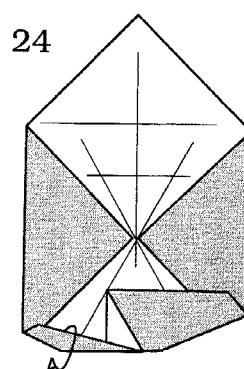
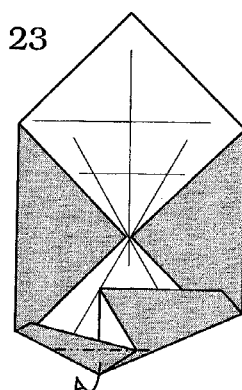
Unfold.



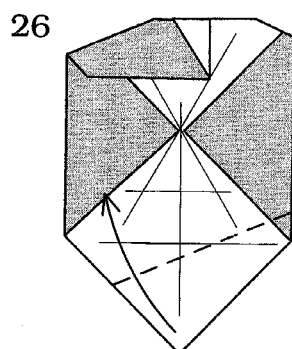
Fold along line A-B.



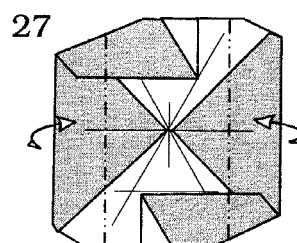
Squash-fold.



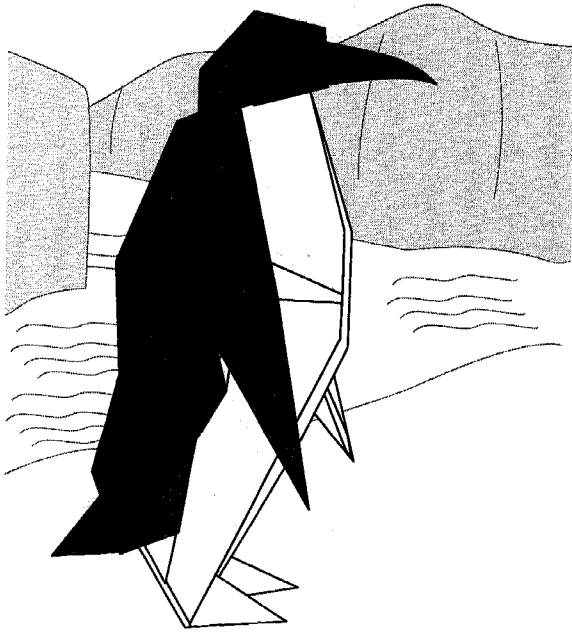
Rotate.



Repeat steps 15-24.



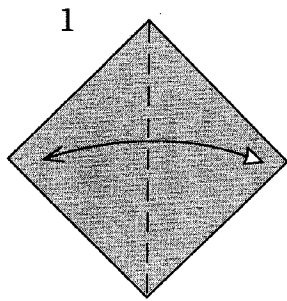
Penguin



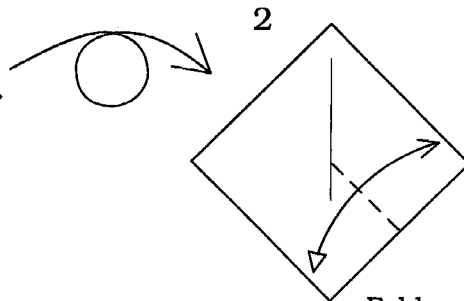
The penguin is an unusual bird that stands upright on very short legs and waddles in a clumsy but amusing fashion. Though penguins cannot fly, they are superb swimmers. Penguins live in the southern hemisphere of the world. Many kinds live on the glaciers of the Antarctic, while others are located farther north in regions touched by cold sea currents that originate in Antarctica. Penguin colonies can be found in New Zealand, Australia, and South Africa, as well as the Galapagos Islands. They are not present in any other parts of the world due to the fact that they will not cross into warm ocean currents from the freezing waters of the Antarctic.

All penguins have short, thick feathers on their hefty bodies. Their feathers are white on the belly and black or a bluish color on the back. Some penguins have crests of long feathers and blotches of brightly colored feathers on their short, stocky necks. They have a waterproof coat composed of short, thick feathers and layers of blubber. This allows them to keep warm in their extremely cold climate.

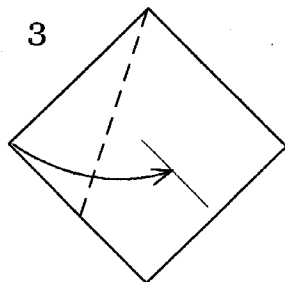
Penguins thrive on fish, and they spend most of their time in water. However, they lay their eggs and raise their young on land. While on land, they make their enormous nests in huge colonies called rookeries. A single rookery can contain up to one million birds. Most of the species make their nests on bare ground or in the grass. Some penguins lay their eggs in shallow holes scraped in the dirt, while a few species lay their eggs in tunnels dug in the ground.



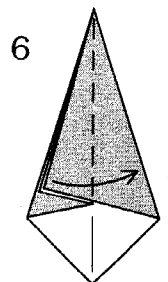
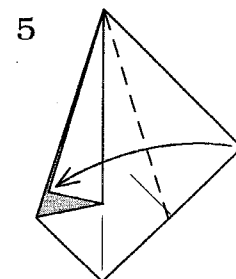
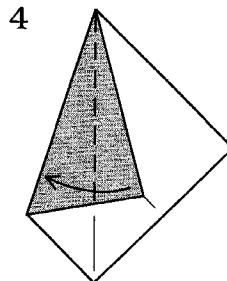
Fold and unfold.

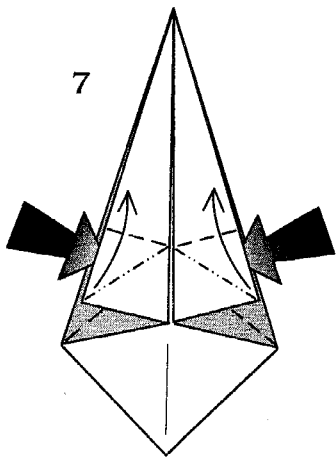


Fold and unfold.

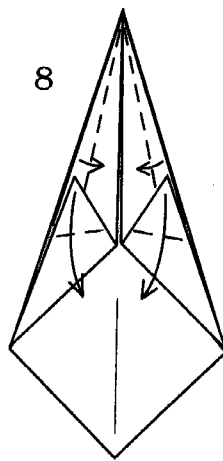


Fold the corner to the center line.

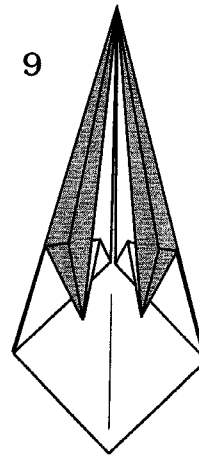




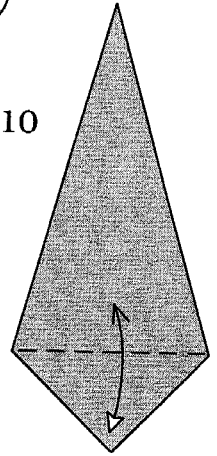
Squash folds.



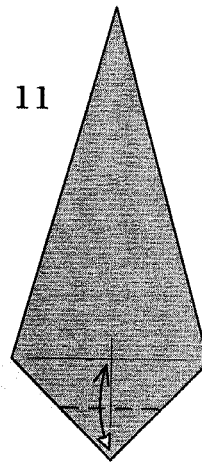
Fold at an angle of one-third.



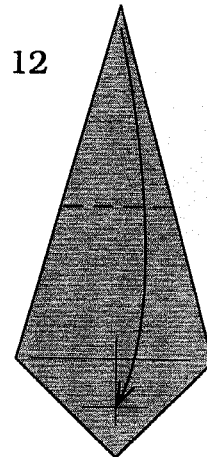
10



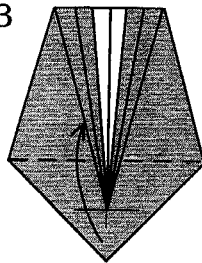
Fold and unfold.



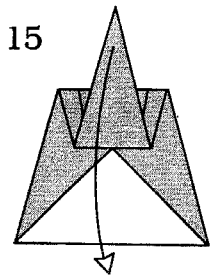
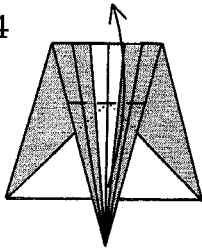
Fold and unfold.



13

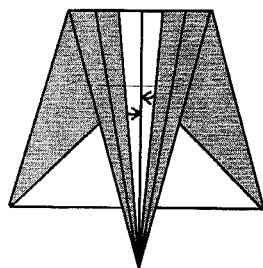


14



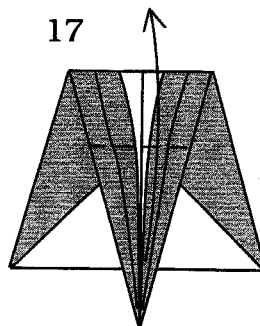
Unfold.

16

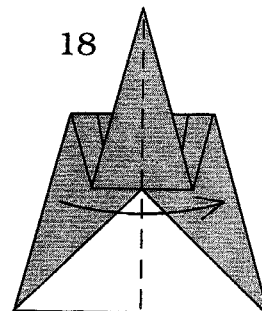


Slide the paper to the center.

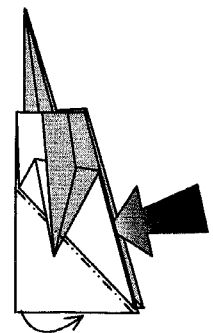
17



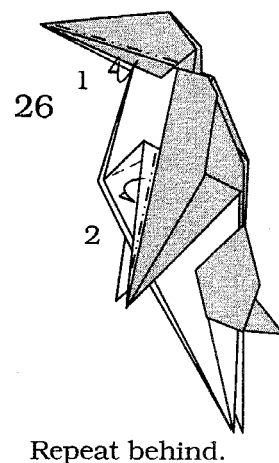
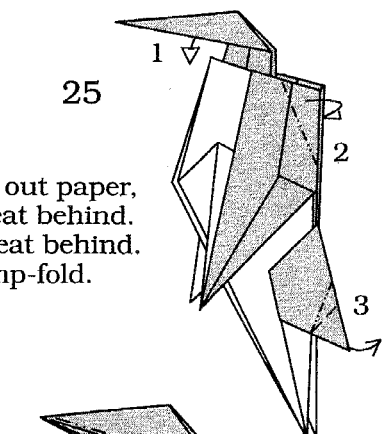
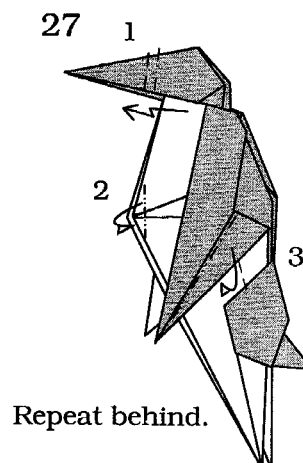
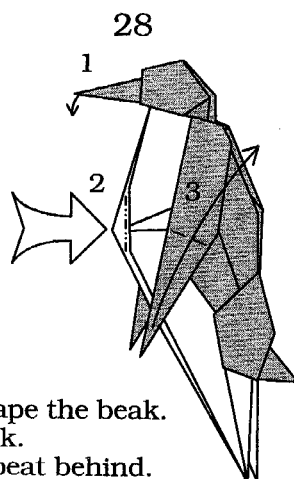
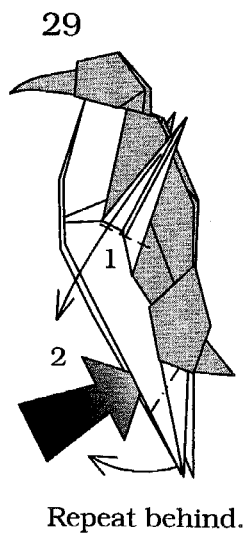
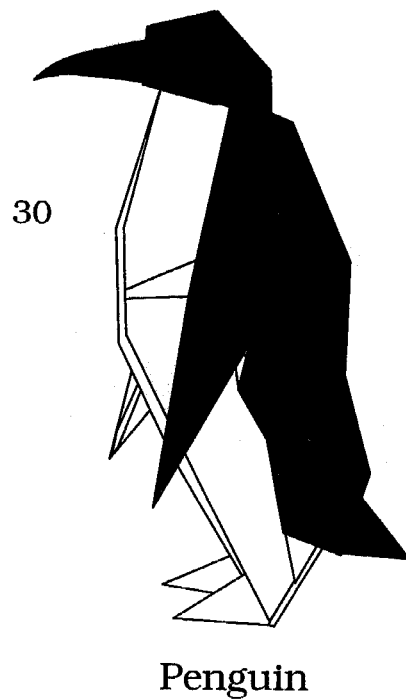
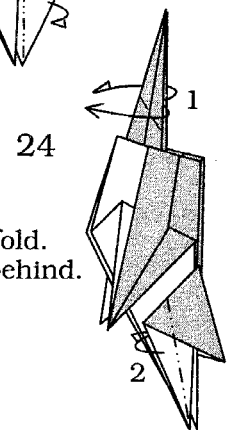
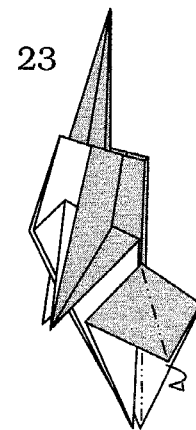
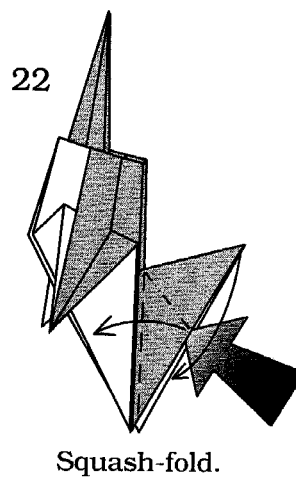
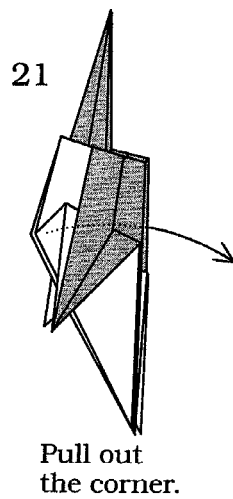
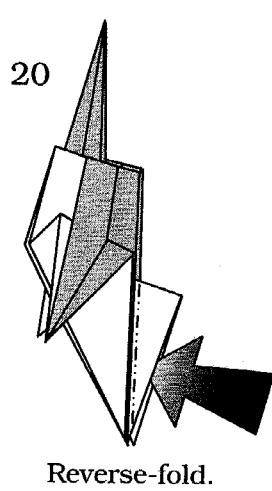
18



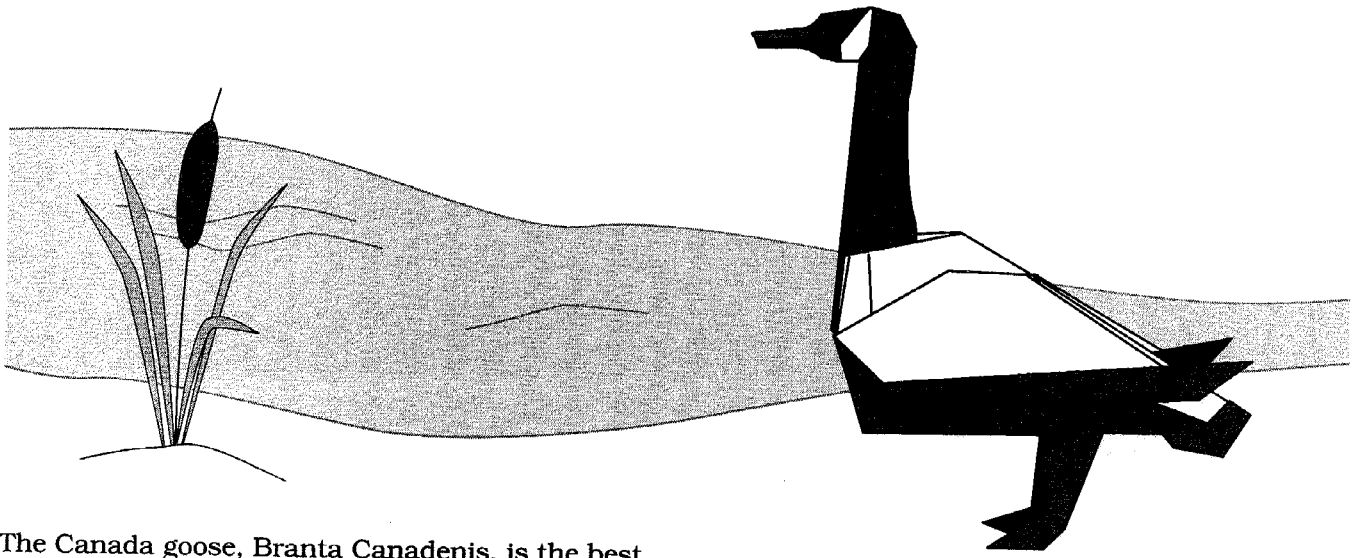
19



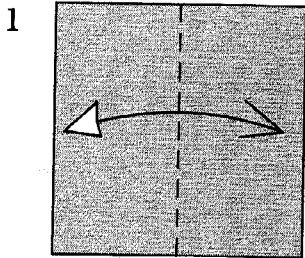
Reverse-fold.



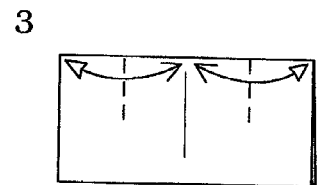
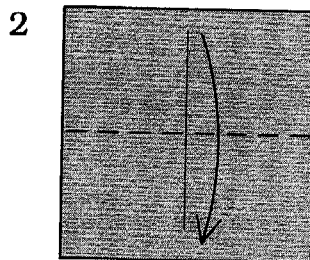
Canada Goose



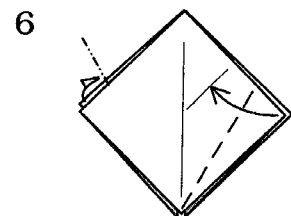
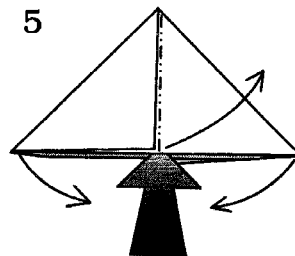
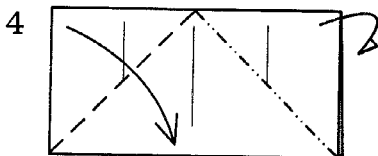
The Canada goose, *Branta Canadenis*, is the best known goose in North America. It is recognized by the white band across its throat and cheeks. The bird is more often found on land than other waterfowl because of its love for seeds and grains. The long neck is well adapted for grazing. Canada geese migrate in their famous V formations, honking nosily as they fly.



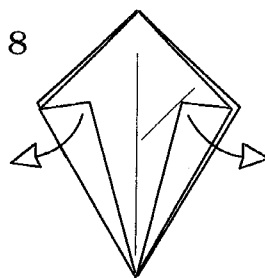
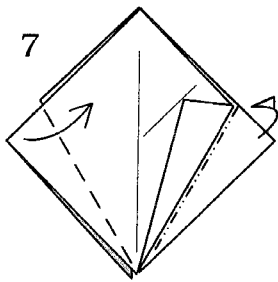
Fold and unfold.



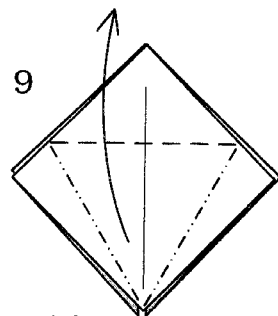
Fold to the center and unfold, creasing only the top half.



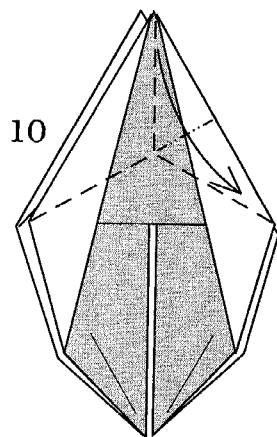
Fold to the crease, repeat at the opposite side.



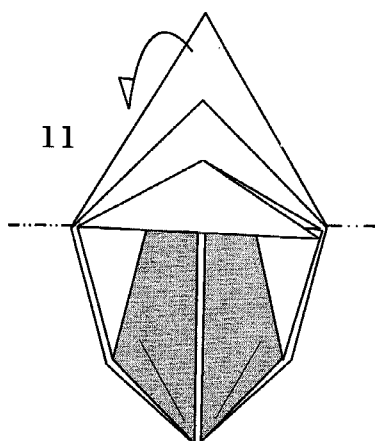
Unfold, repeat behind.



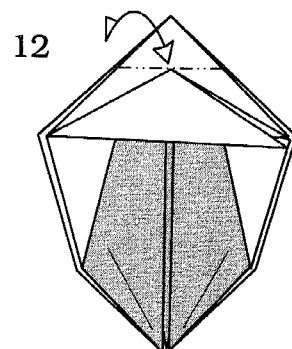
Petal-fold,
repeat behind.



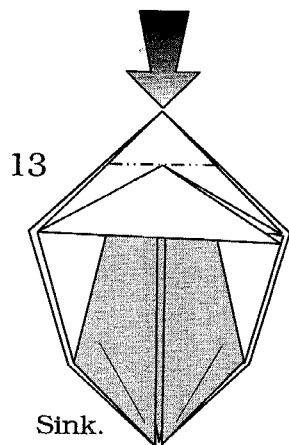
Rabbit-ear.



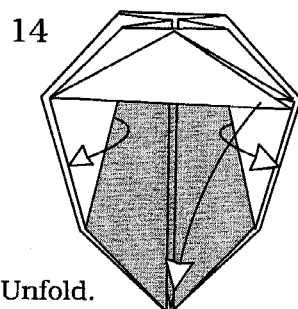
Mountain-fold.



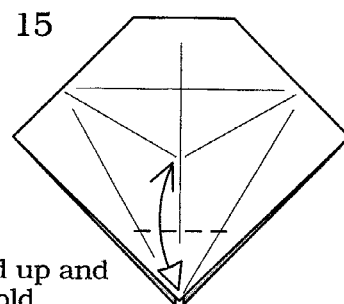
Fold behind
and unfold.



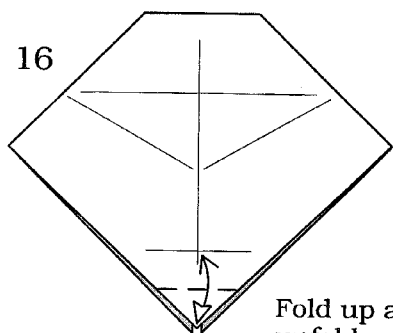
Sink.



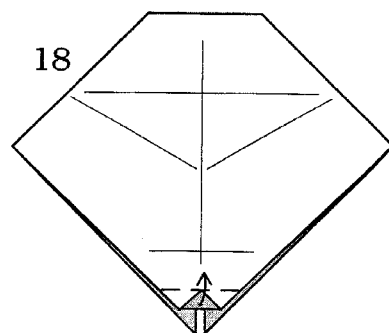
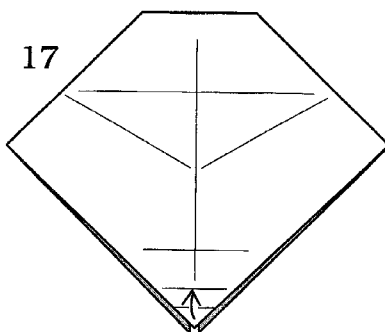
Unfold.



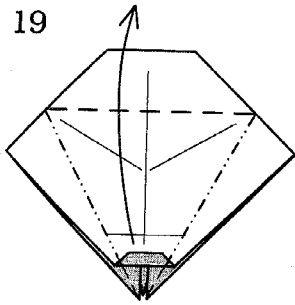
Fold up and
unfold.



Fold up and
unfold.

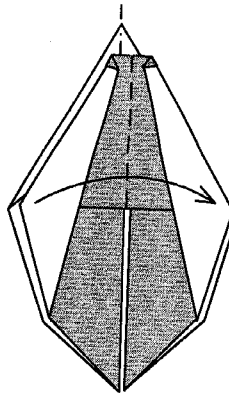


19



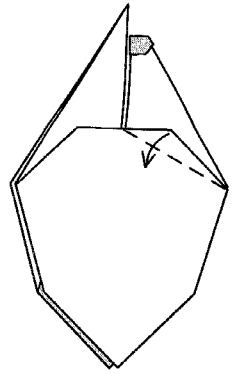
Petal-fold,
repeat behind.

20



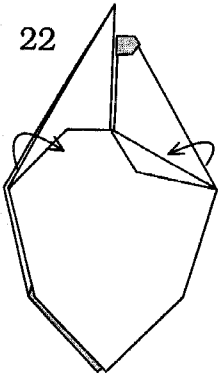
Repeat behind.

21



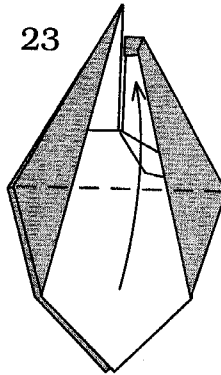
Repeat behind.

22



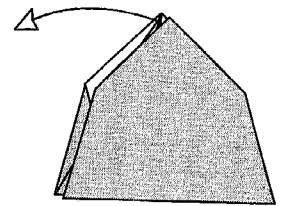
Fold inside-out,
repeat behind.

23



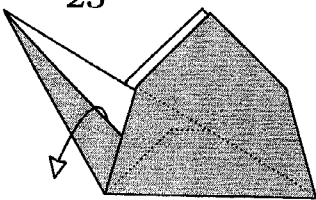
Repeat behind.

24



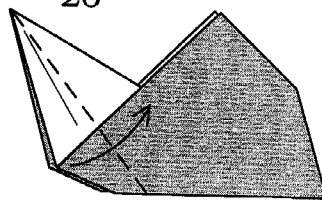
Pull out.

25



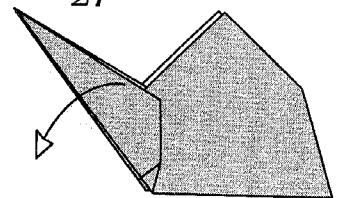
Pull out, repeat behind.

26



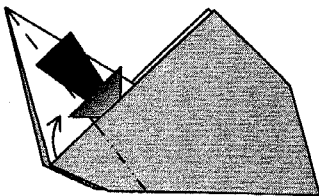
Repeat behind.

27



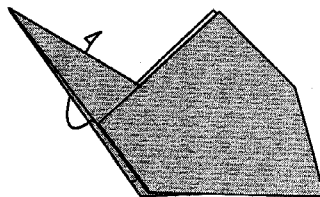
Unfold, repeat behind.

28



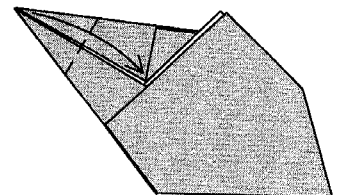
Reverse-fold, repeat behind.

29

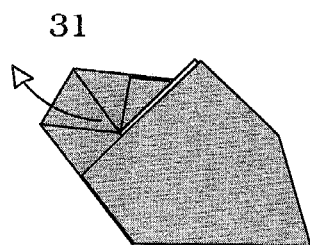


Open.

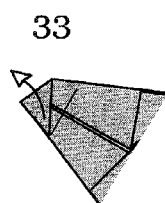
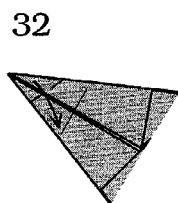
30



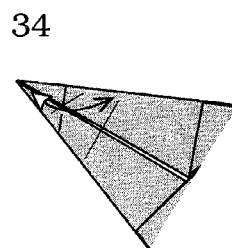
This is three-dimensional,
do not flatten it.



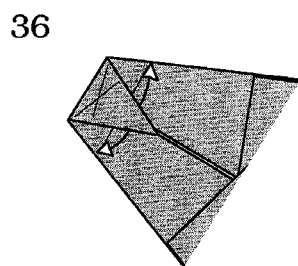
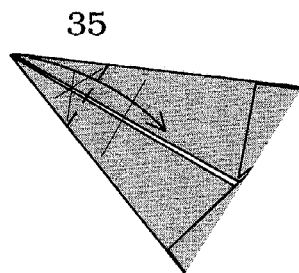
Unfold.



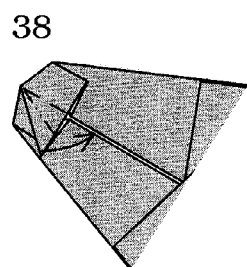
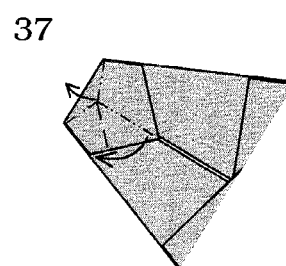
Unfold.



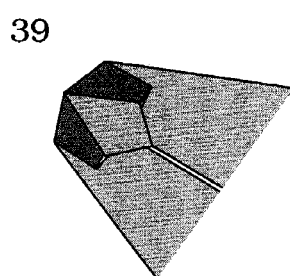
Fold and unfold.



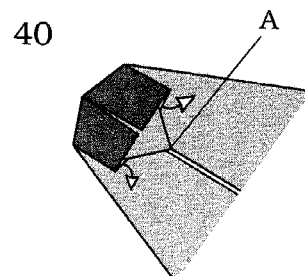
Pull out.



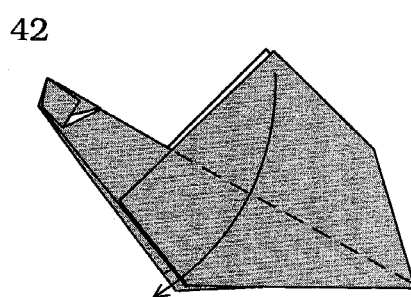
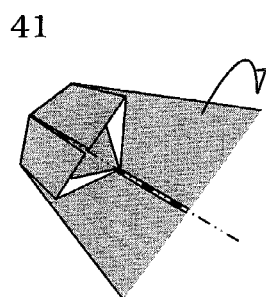
Squash-fold.



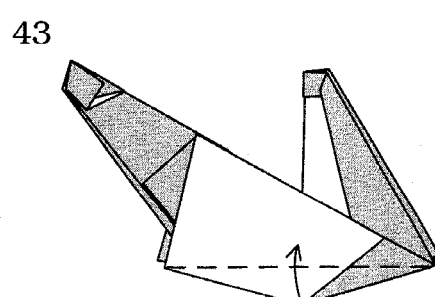
Bring the dark paper to the top.



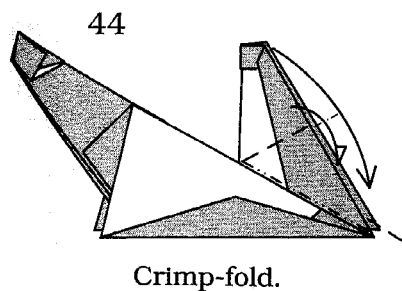
Spread the white paper to meet corner A.



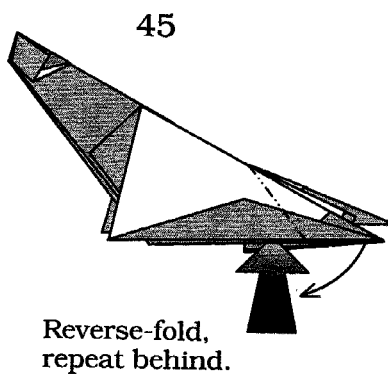
Repeat behind.



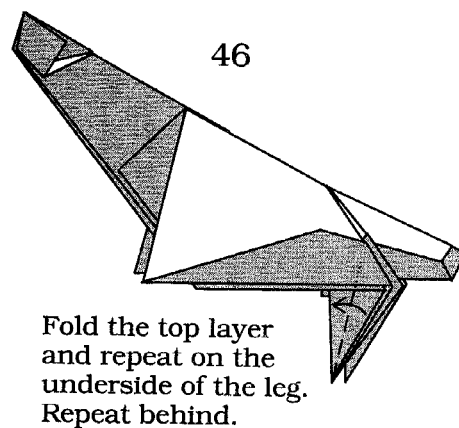
Repeat behind.



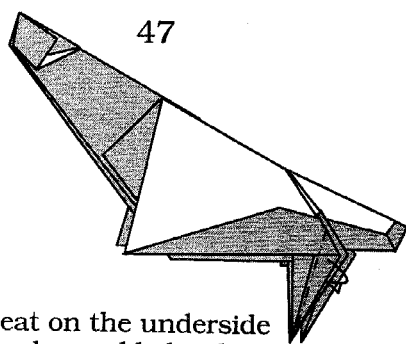
Crimp-fold.



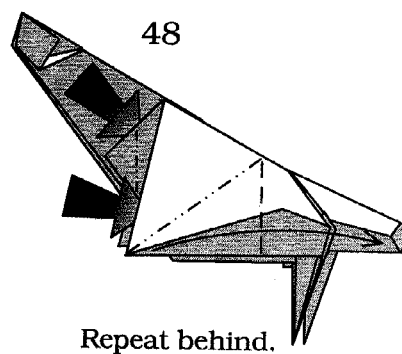
Reverse-fold,
repeat behind.



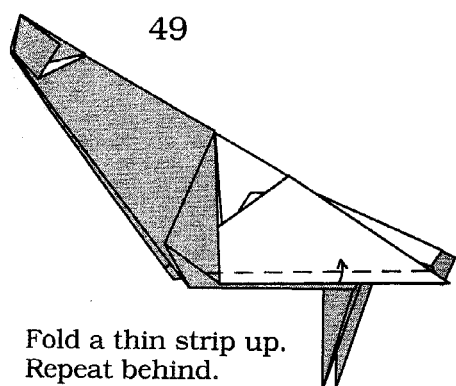
Fold the top layer
and repeat on the
underside of the leg.
Repeat behind.



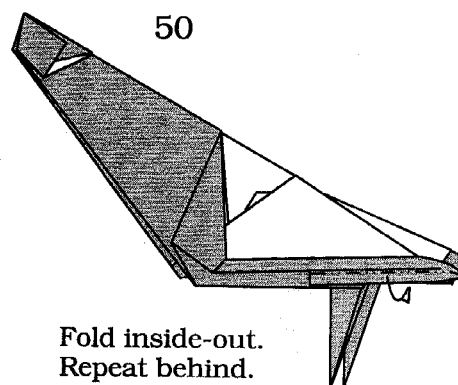
Repeat on the underside
of the leg and behind.



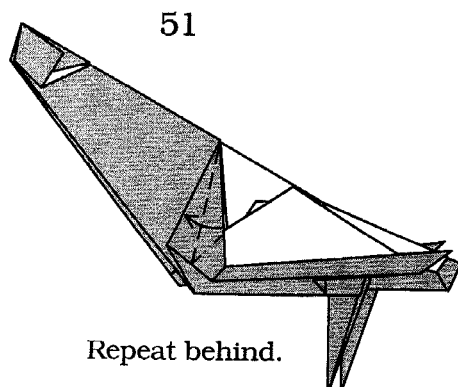
Repeat behind.



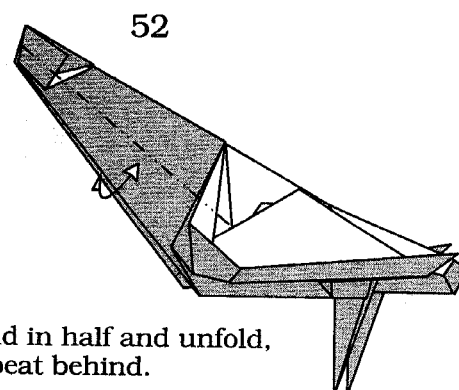
Fold a thin strip up.
Repeat behind.



Fold inside-out.
Repeat behind.

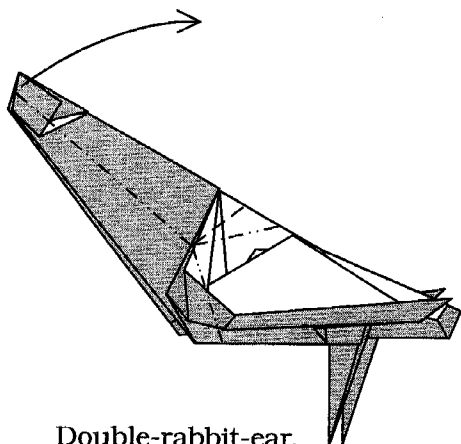


Repeat behind.



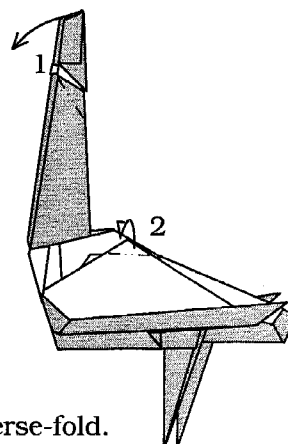
Fold in half and unfold,
repeat behind.

53



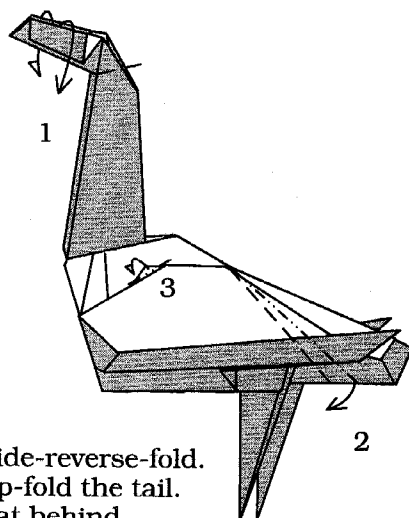
Double-rabbit-ear.

54



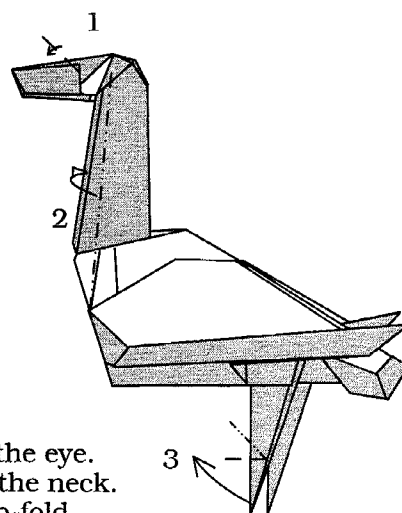
1. Reverse-fold.
2. Repeat behind.

55



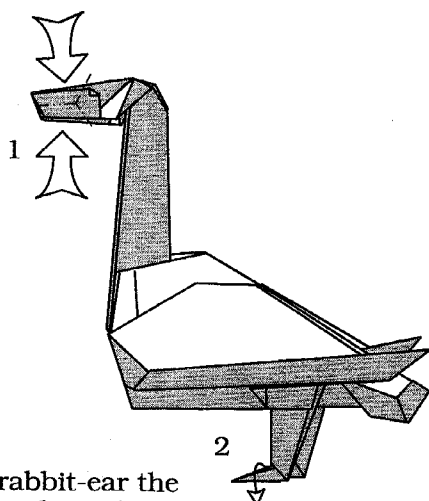
1. Outside-reverse-fold.
2. Crimp-fold the tail.
3. Repeat behind.

56



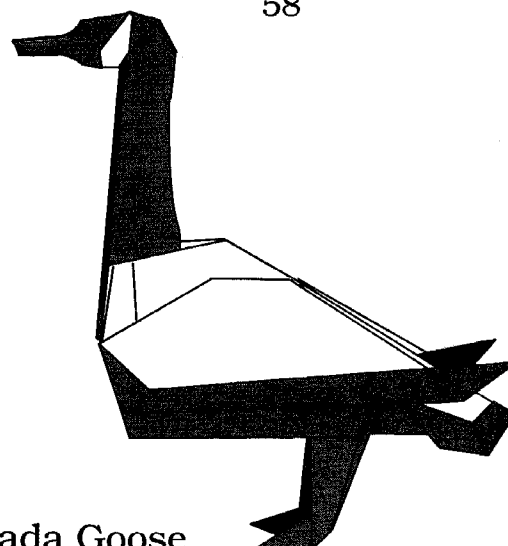
1. Fold the eye.
 2. Thin the neck.
 3. Crimp-fold.
- Repeat behind.

57



1. Double-rabbit-ear the beak to make it three-dimensional.
2. Pull out, repeat on the other side of the foot, repeat behind.

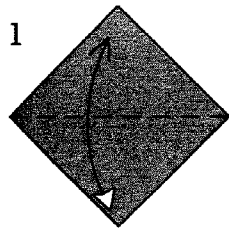
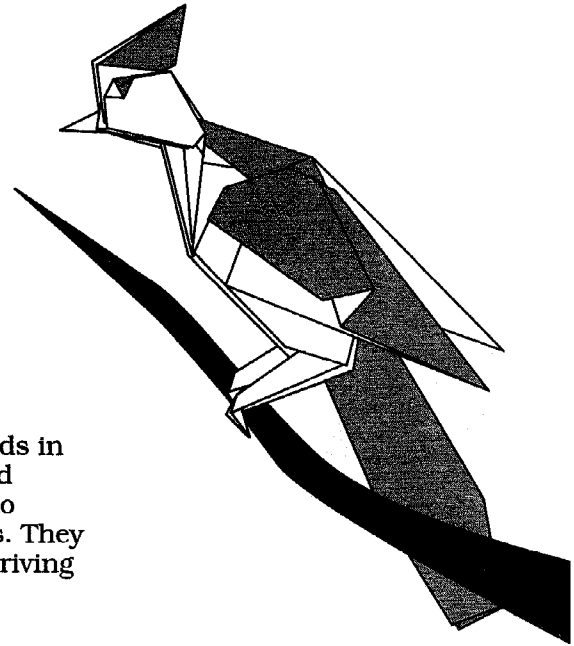
58



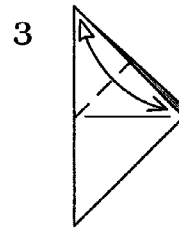
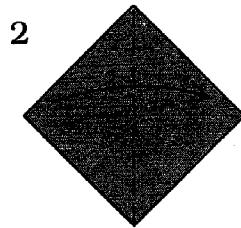
Canada Goose

Blue Jay

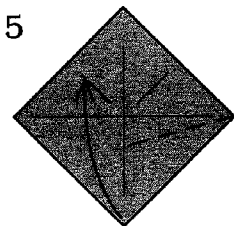
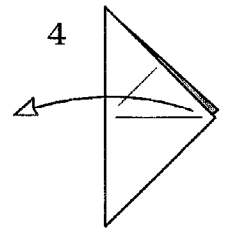
The blue jay is one of the most common birds in North America, and its bright blue color and distinctive crest make it one of the easiest to identify. Blue jays thrive in populated areas. They are frequent visitors to bird feeders, often driving off smaller birds with harsh warning calls.



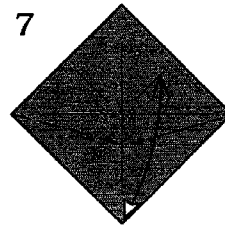
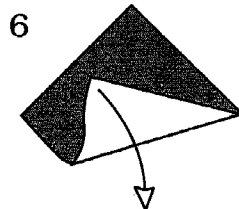
Fold and unfold.



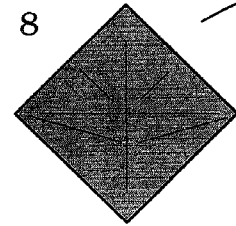
Fold and unfold, creasing lightly.



Fold the corner to the crease line. Crease on the right side.

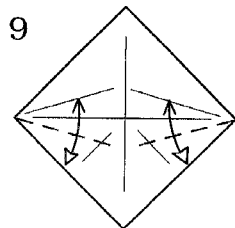


Fold up and unfold.

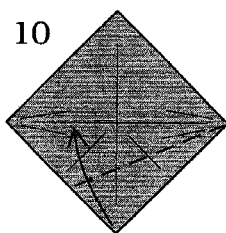


Turn over and rotate.

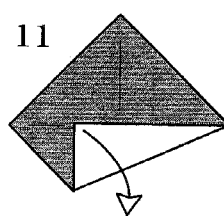




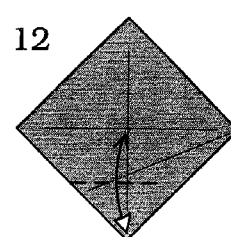
Fold up to the crease line and unfold.



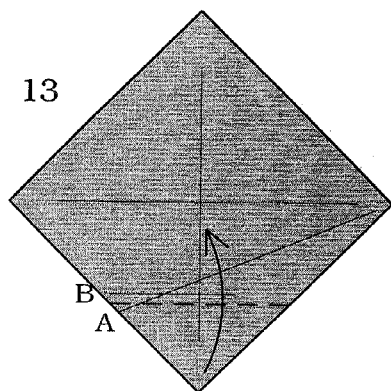
Crease lightly.



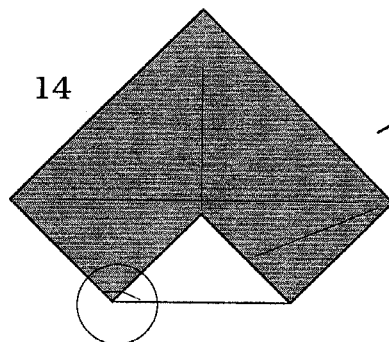
Unfold.



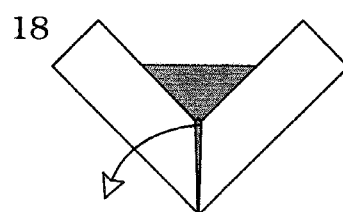
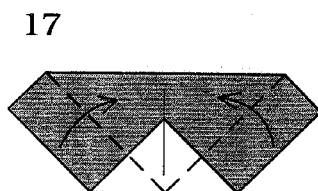
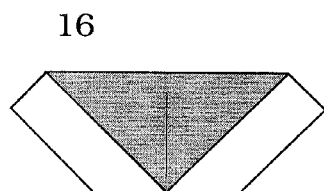
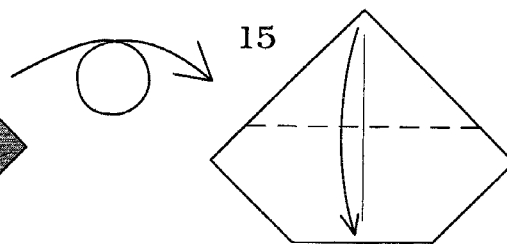
Fold up to the center and unfold. Crease lightly and only on the left side.



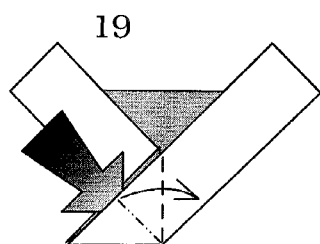
Fold up so that A meets the line above it, close to B.



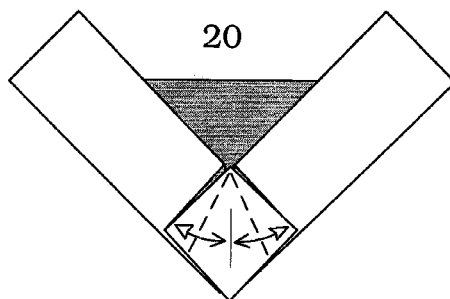
Note how the creases intersect inside the circle.



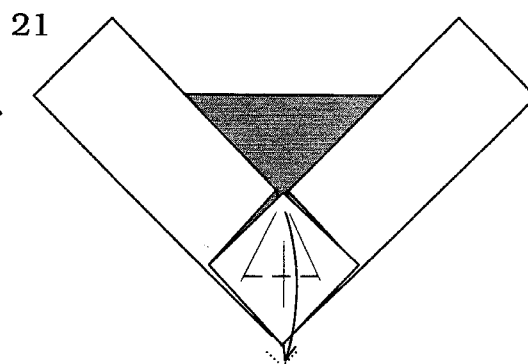
Pull out the hidden paper.



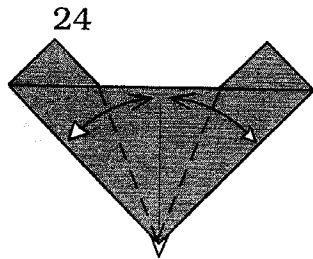
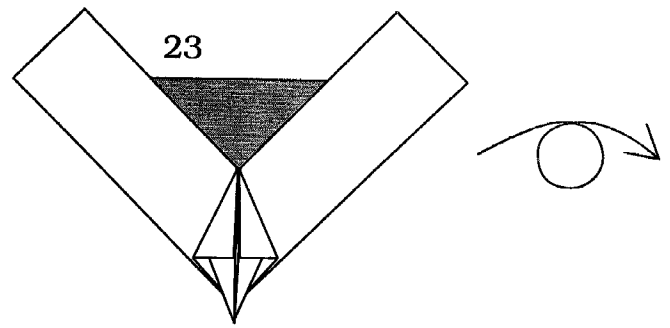
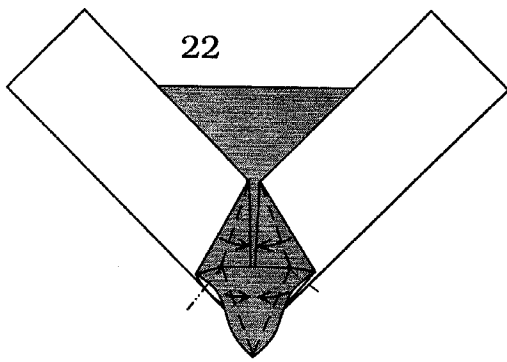
Squash-fold.



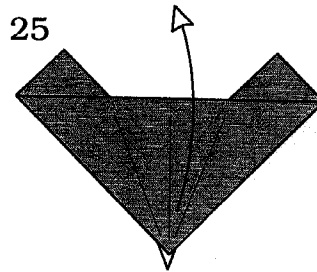
Fold and unfold.



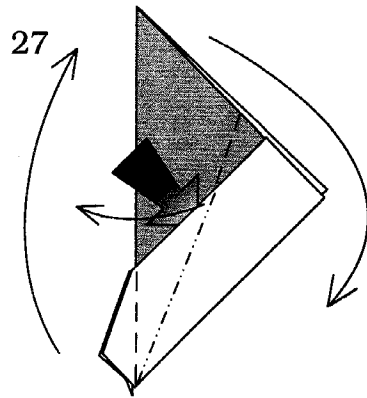
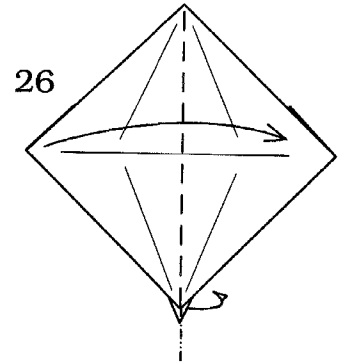
Fold down a little below the bottom.



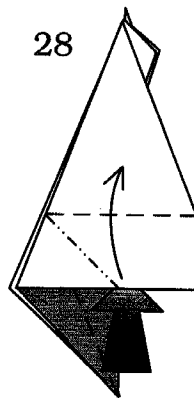
Kite-fold and unfold.



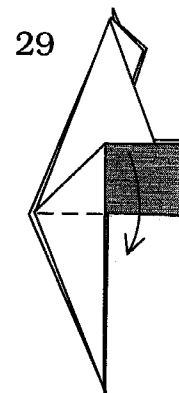
Unfold.



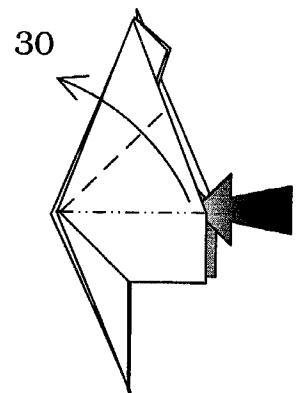
Squash-fold, repeat behind. Rotate.



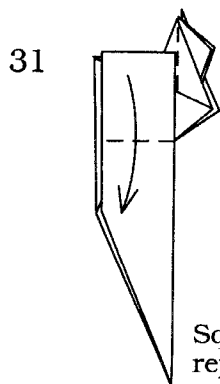
Squash-fold, repeat behind.



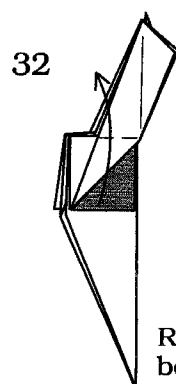
Repeat behind.



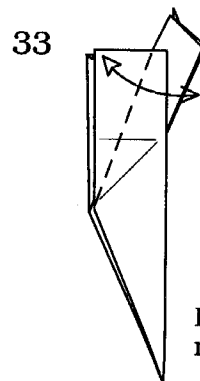
Squash-fold, repeat behind.



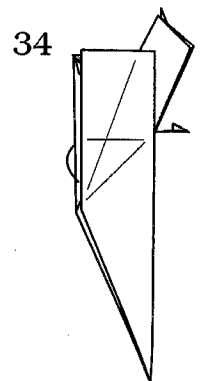
Squash-fold, repeat behind.

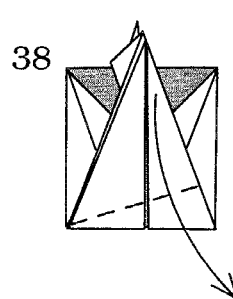
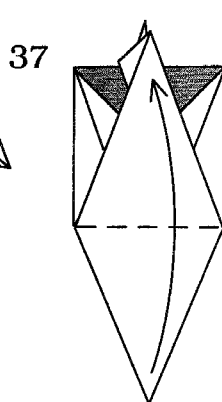
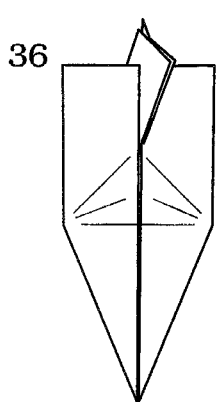
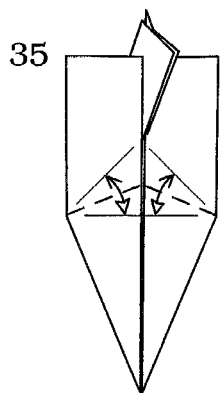


Repeat behind.

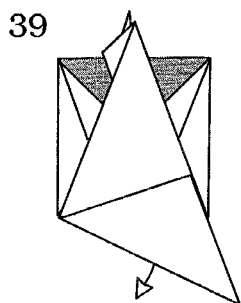


Fold and unfold, repeat behind.

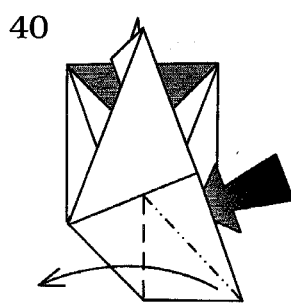




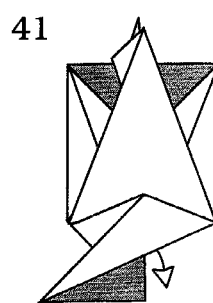
Fold and unfold.



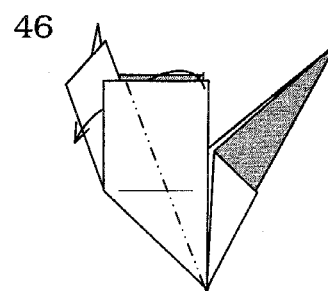
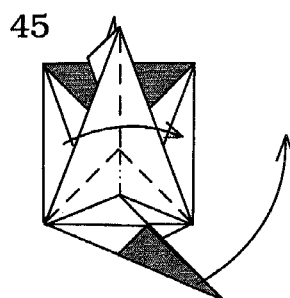
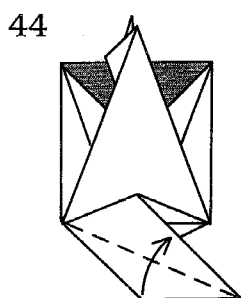
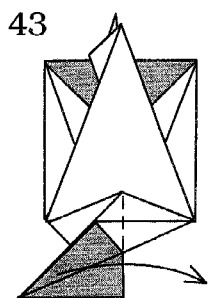
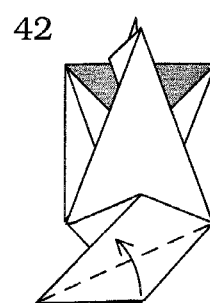
Pull out some paper.



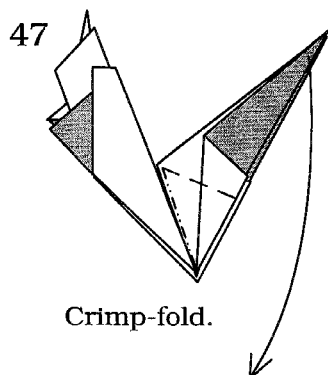
Squash-fold.



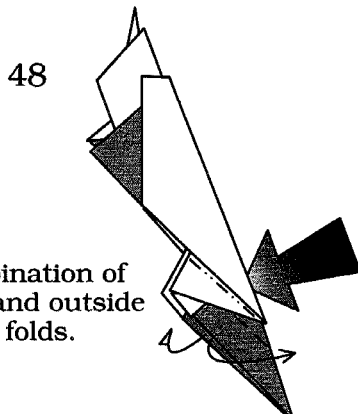
Pull out some paper.



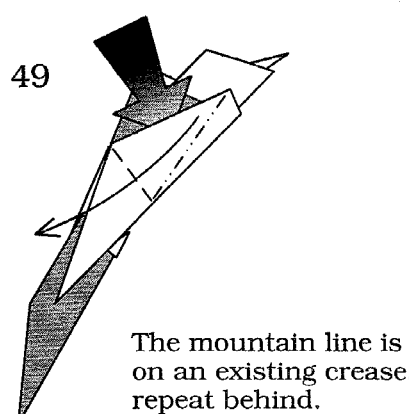
Reverse-fold,
repeat behind.



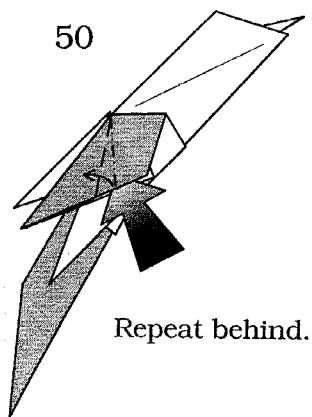
Crimp-fold.



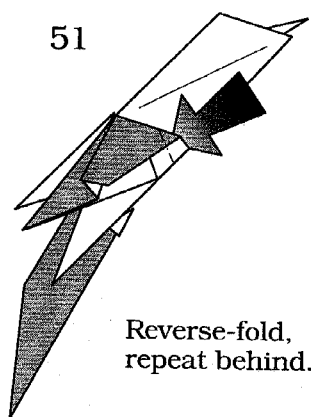
A combination of
inside and outside
reverse folds.



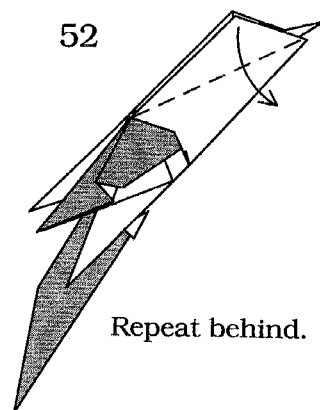
The mountain line is
on an existing crease,
repeat behind.



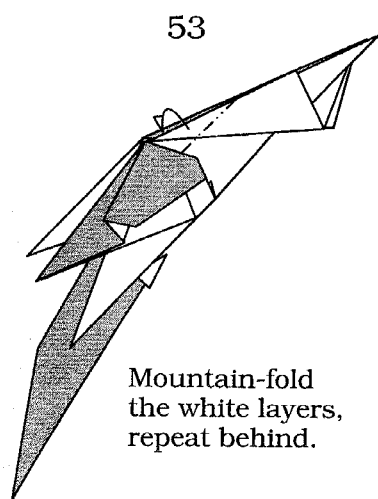
Repeat behind.



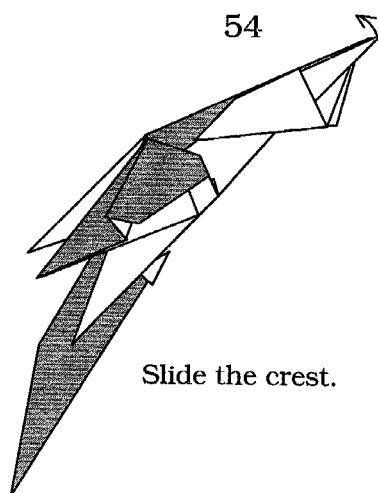
Reverse-fold,
repeat behind.



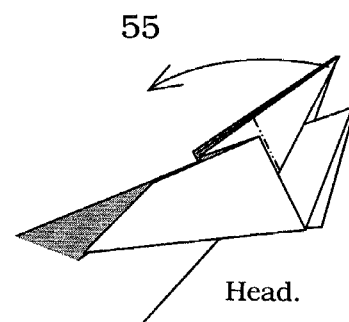
Repeat behind.



Mountain-fold
the white layers,
repeat behind.

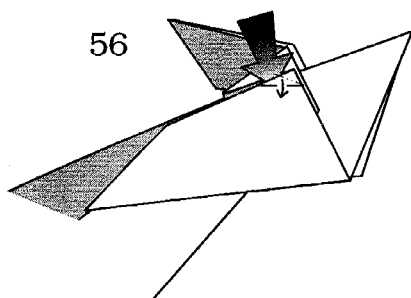


Slide the crest.

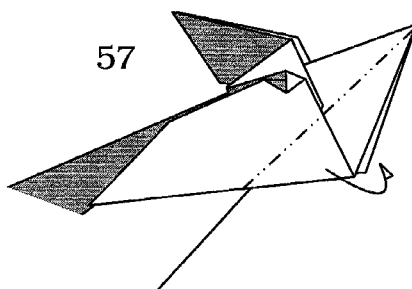


Head.

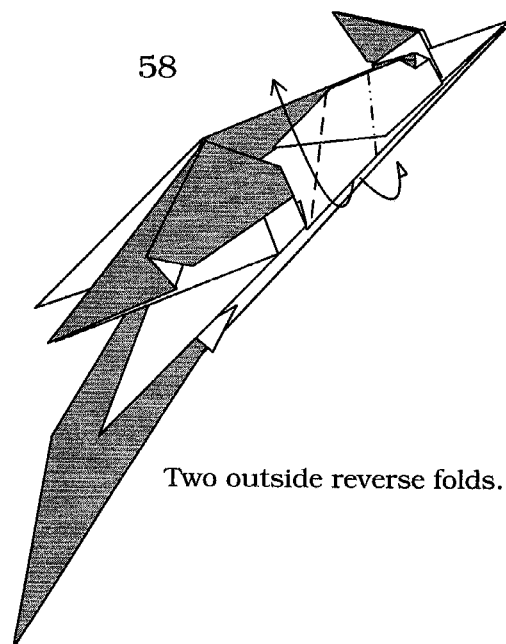
Open to form the crest.



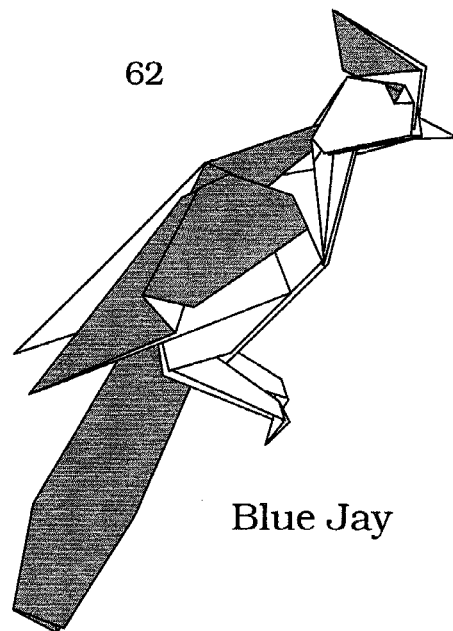
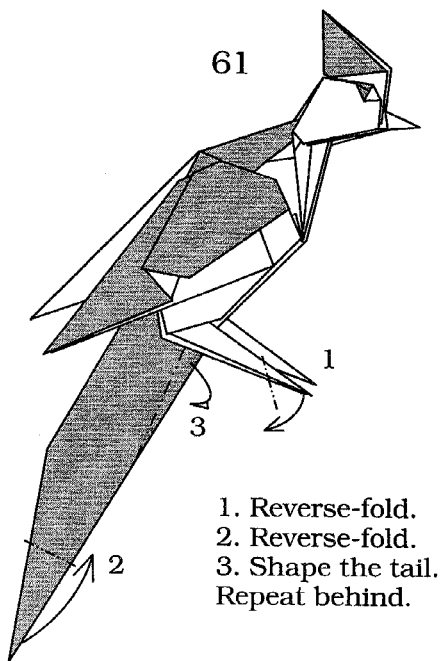
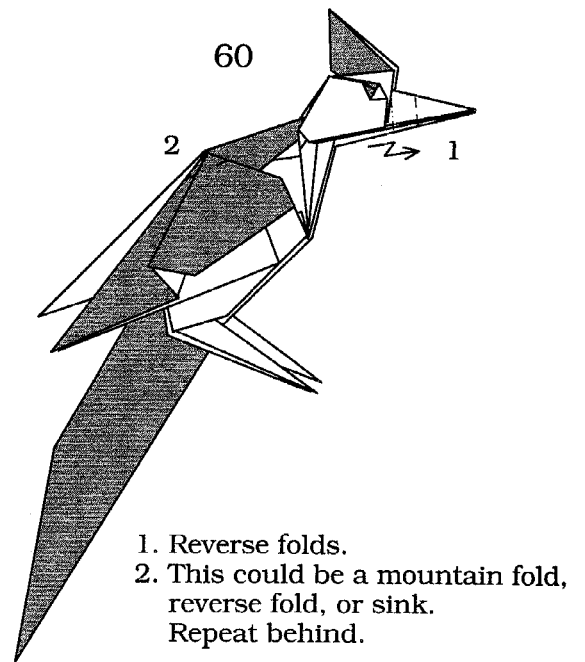
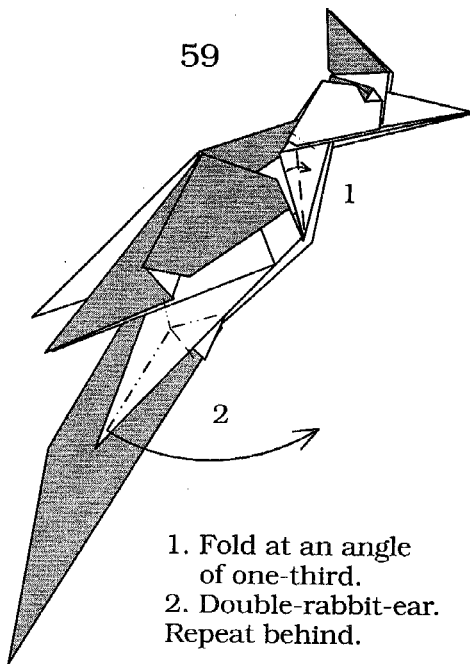
Squash-fold to form
the eye, repeat behind.



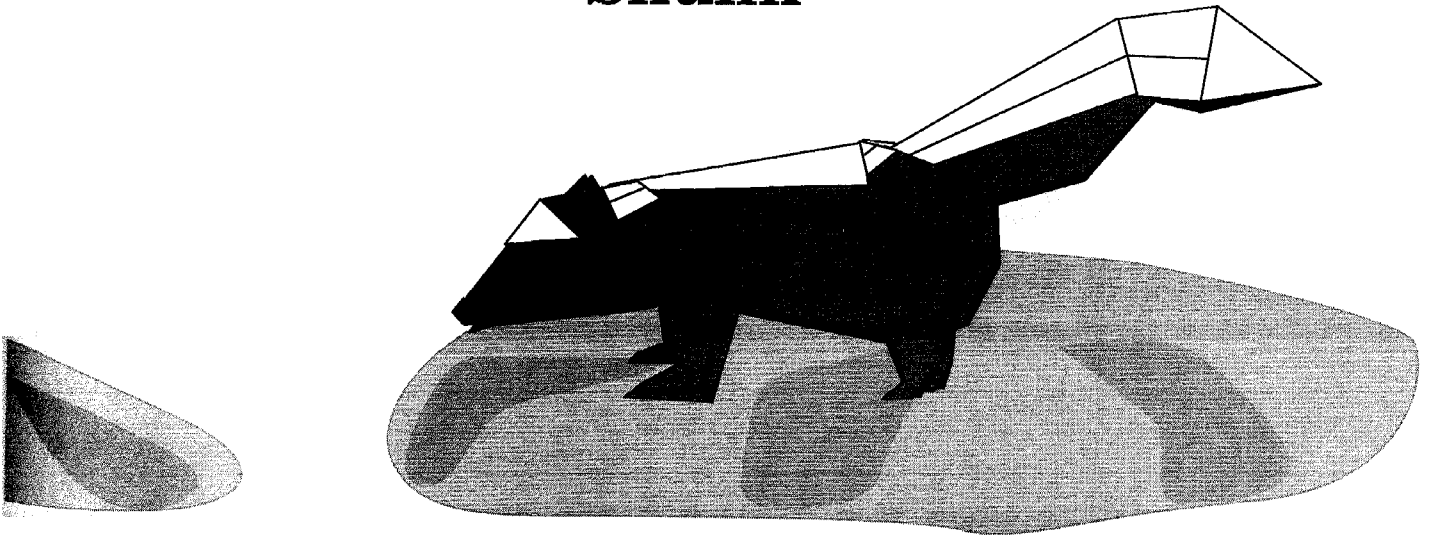
Repeat behind.



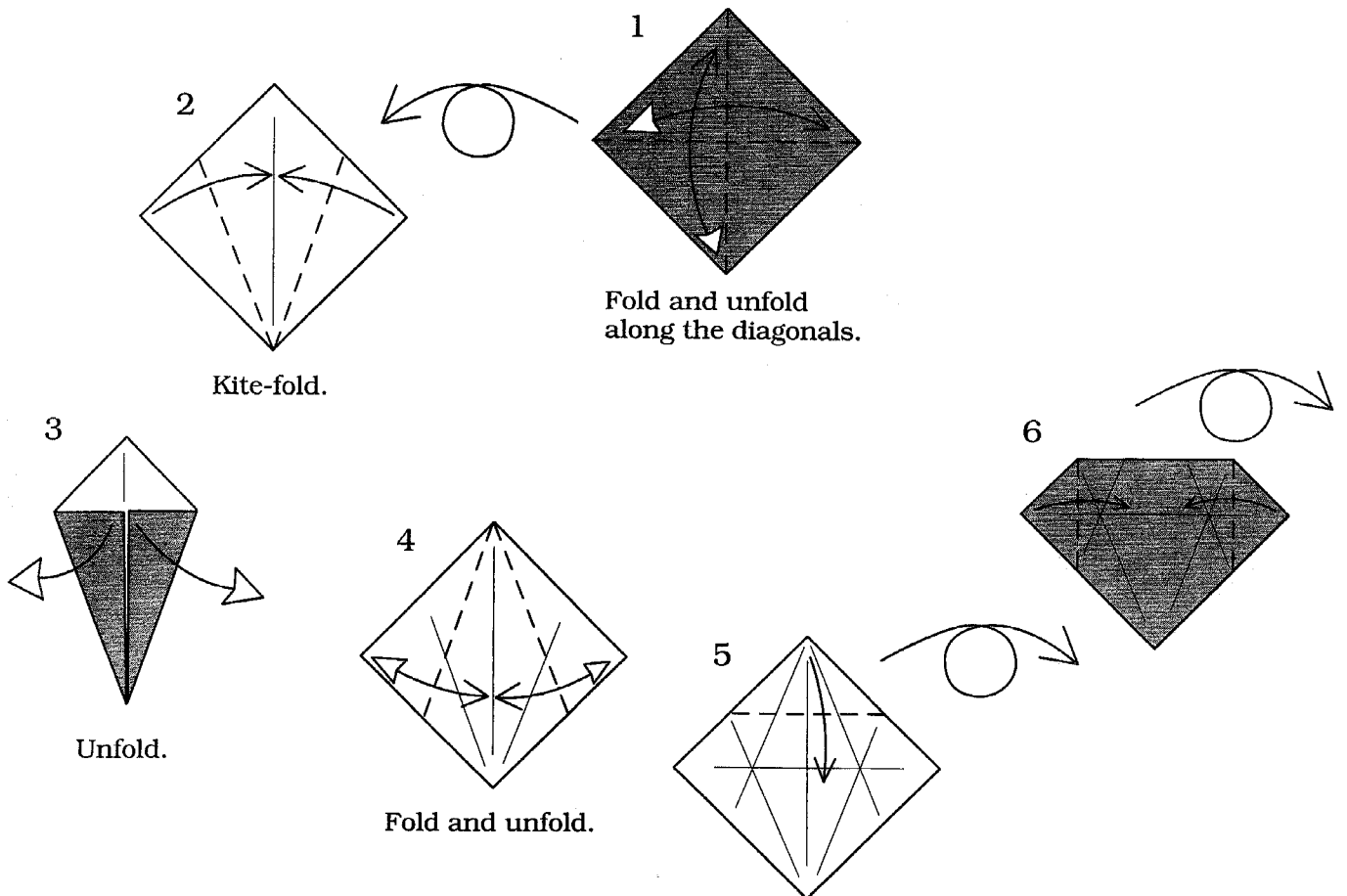
Two outside reverse folds.

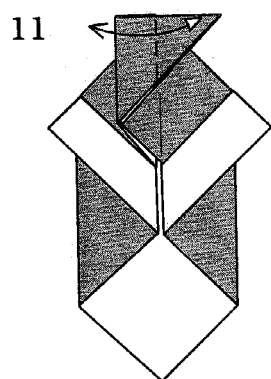
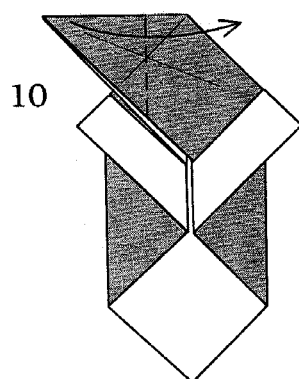
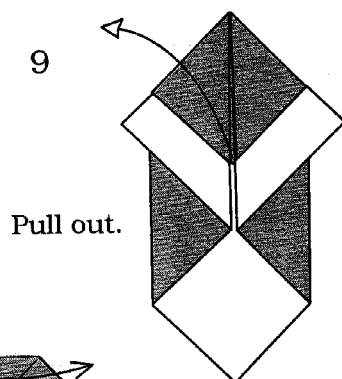
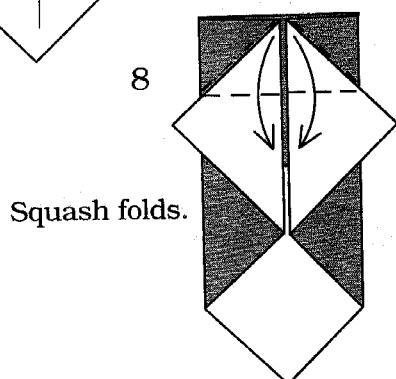
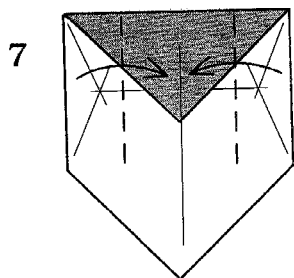


Skunk

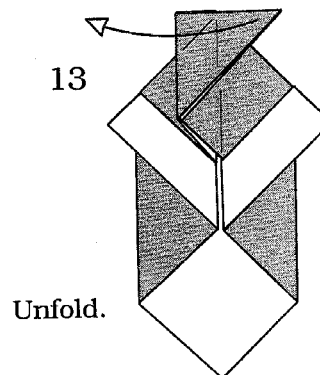
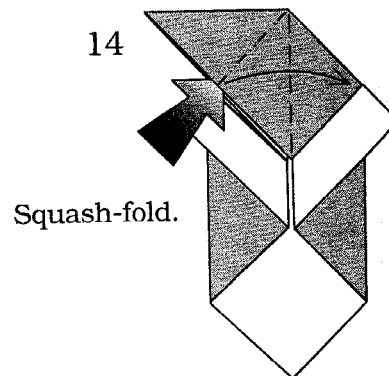
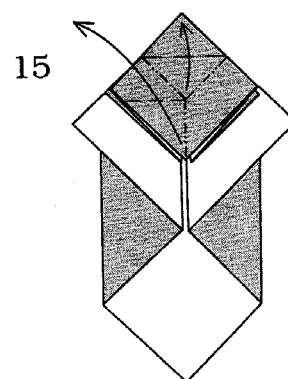
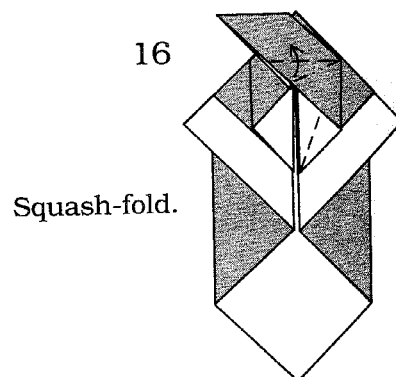
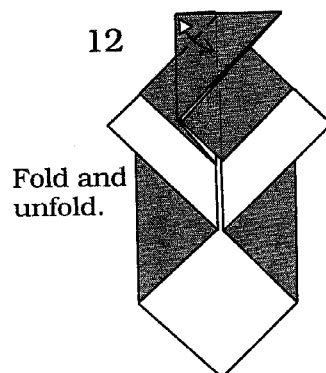


The skunk is a small weasel-like animal that lives in the forest. It is most well known for its black and white markings and the foul smelling liquid it produces when frightened or angered. The yellowish liquid, called musk, is sprayed from the skunk's tail as far as 12 feet and smells for days. The skunk does not spray without warning. If it is bothered, it stamps its front feet, growls, or hisses before spraying. There are three main types of skunks: striped, hog-nosed, and spotted. The skunk here is the well known striped skunk, which is the most common species of skunk in the United States.

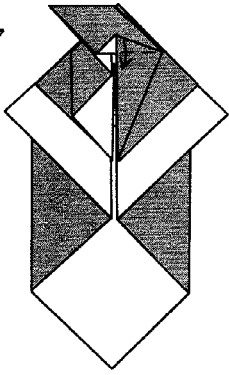




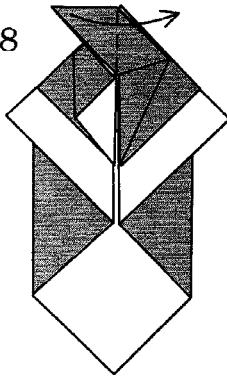
Fold and unfold.



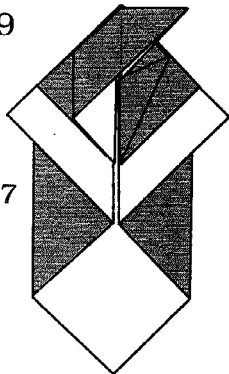
17



18

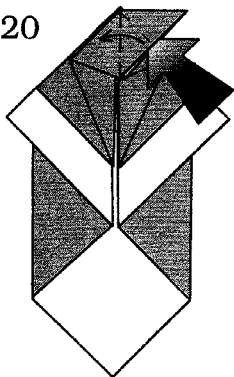


19



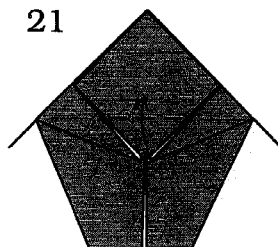
Repeat steps 16-17
on the left.

20

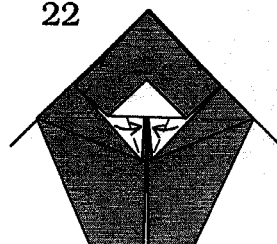


Squash-fold.

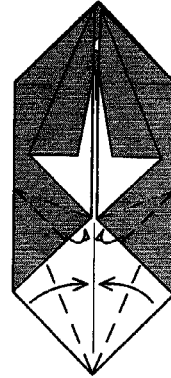
21



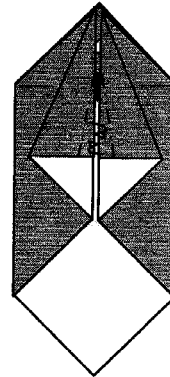
22



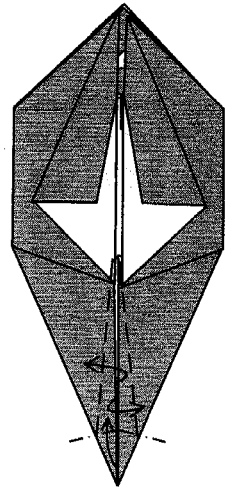
27



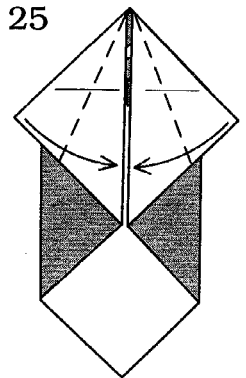
26



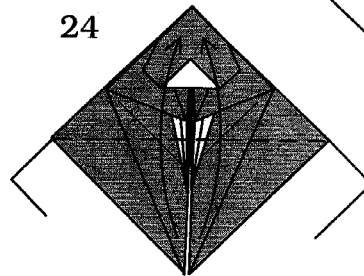
28



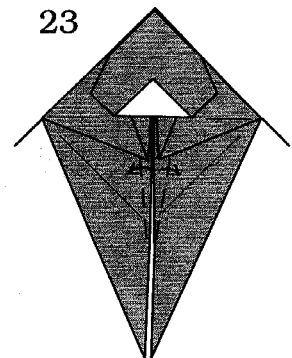
25

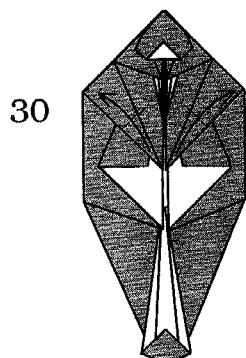
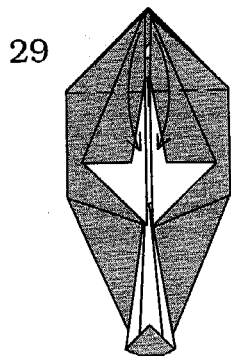


24

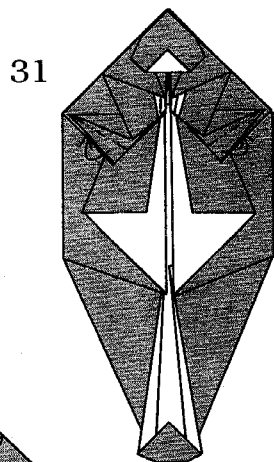


23

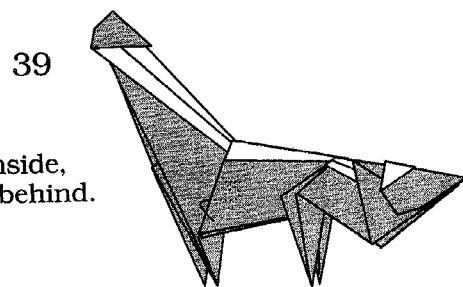
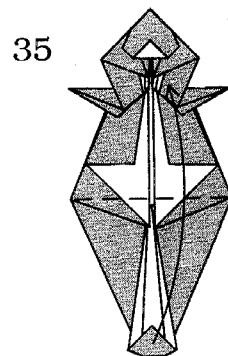
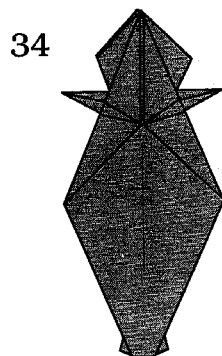
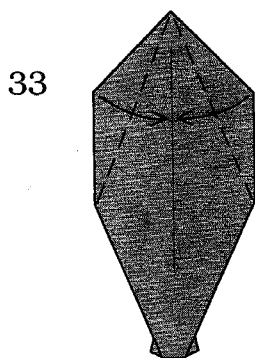
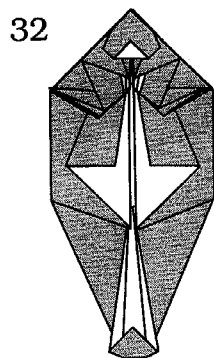




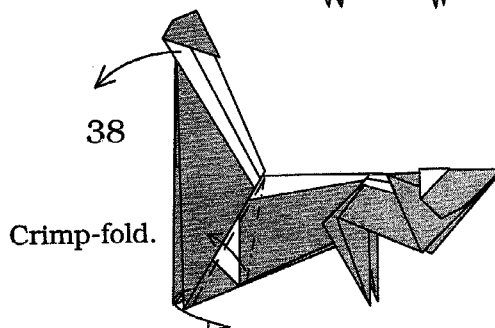
Reverse folds.



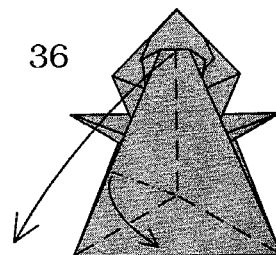
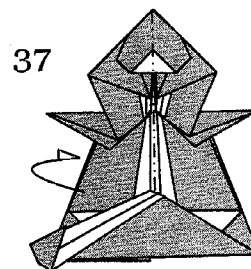
Fold at an angle of $1/3$ for these reverse folds.



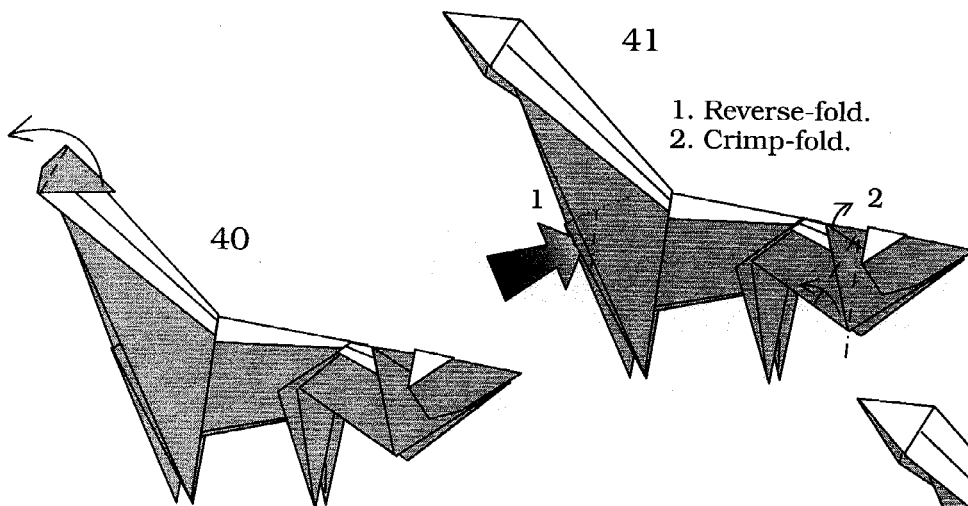
Tuck inside, repeat behind.



Crimp-fold.

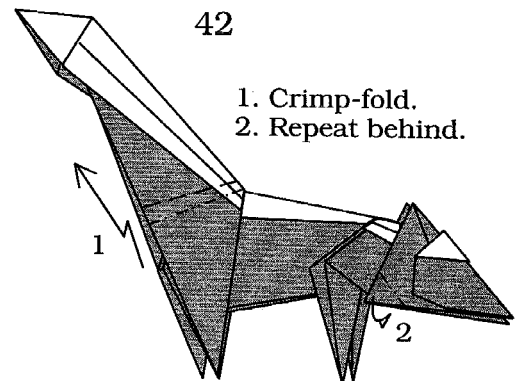


Rabbit-ear.

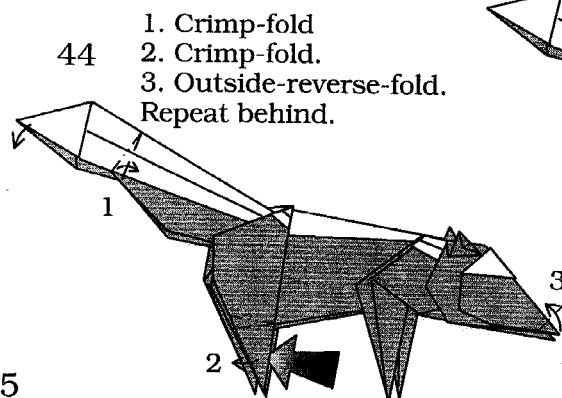


Outside-reverse-fold.

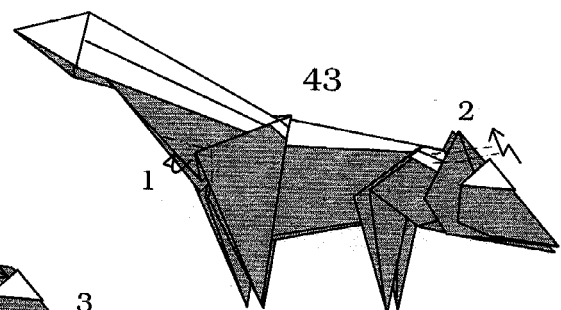
1. Reverse-fold.
2. Crimp-fold.



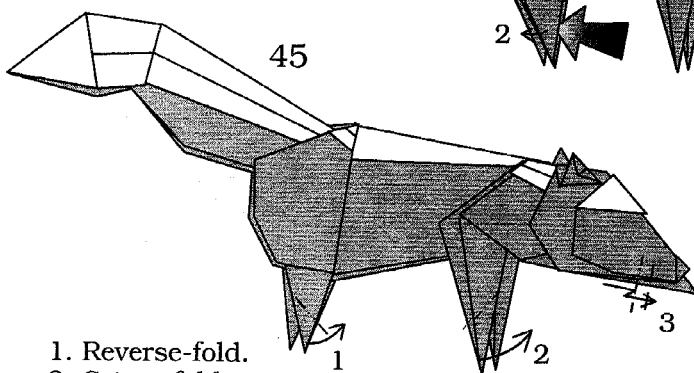
1. Crimp-fold.
2. Repeat behind.



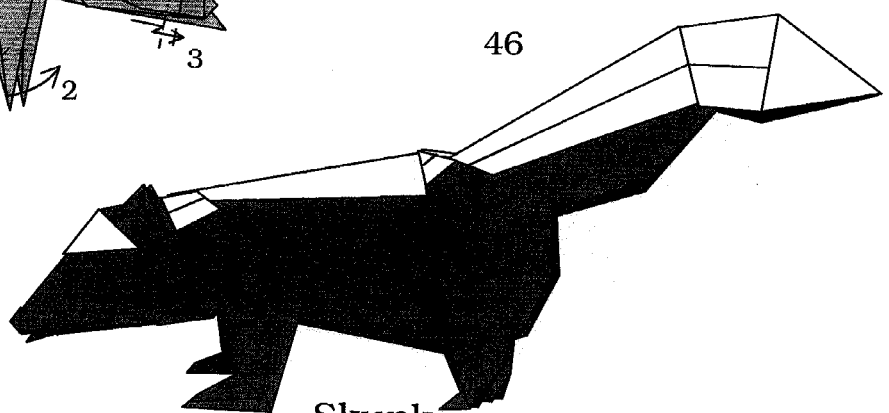
1. Crimp-fold
 2. Crimp-fold.
 3. Outside-reverse-fold.
- Repeat behind.



1. Shape the tail.
 2. Shape the ear.
- Repeat behind.

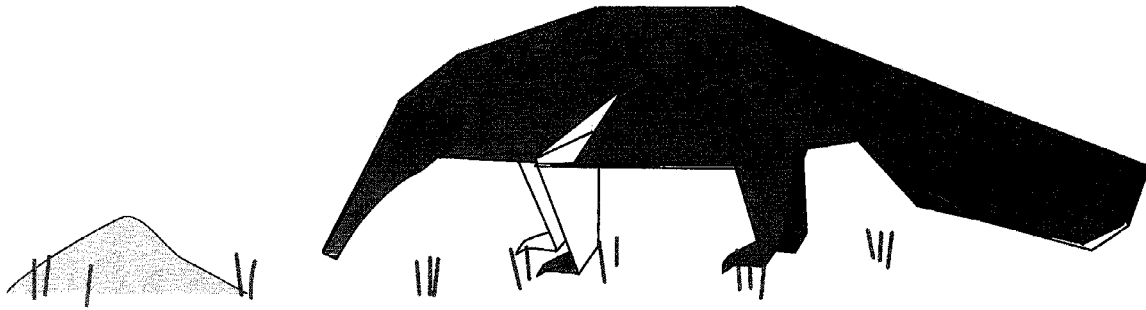


1. Reverse-fold.
 2. Crimp-fold.
 3. Crimp-fold.
- Repeat behind.



Skunk

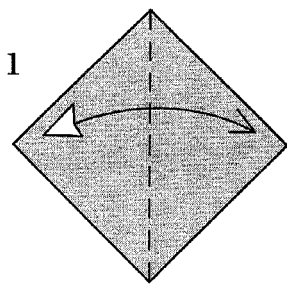
Anteater



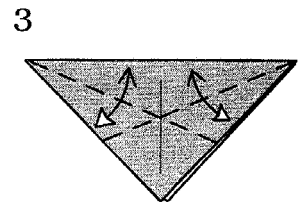
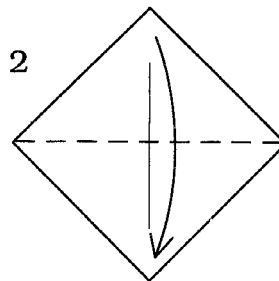
Ode to the Anteater

Whatever one says, it's impossible to kiss
 An anteater so short and squat;
 For there's this terribly long proboscis
 That this eater of ants has got.
 He sticks his honker down in a hole,
 And then with a deadly "slurp",
 All of the ants are sucked from their home
 And become nothing but . . . BUUURRRRP!

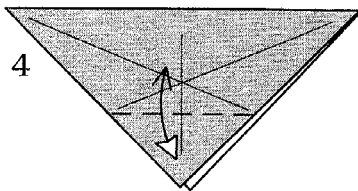
Tim Getman



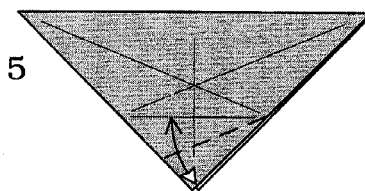
Fold and unfold.



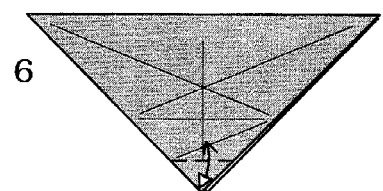
Fold and unfold, repeat behind.



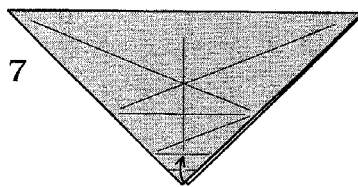
Fold up and unfold creasing lightly.



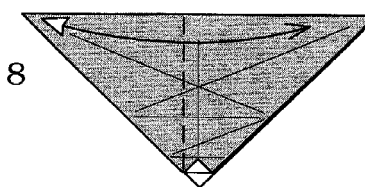
Fold up and unfold creasing lightly.



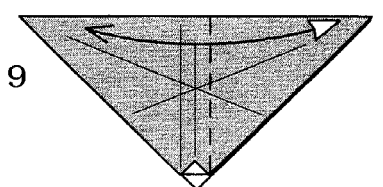
Fold up and unfold creasing lightly.



Fold up almost to the line.

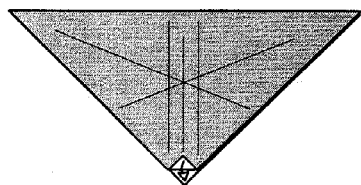


Fold and unfold.



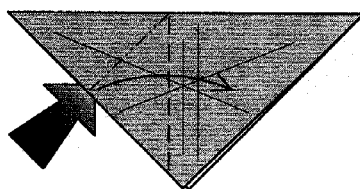
Fold and unfold.

10



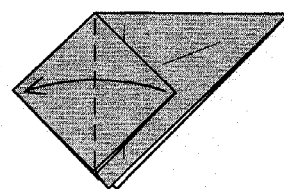
Unfold.

11

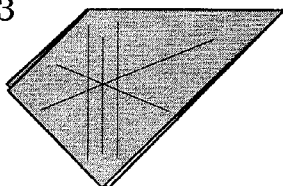


Squash-fold.

12

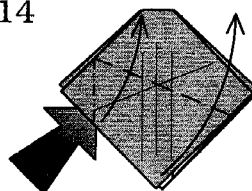


13



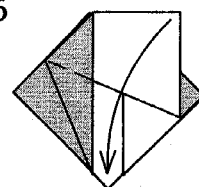
Repeat steps 11-12 on the right.

14

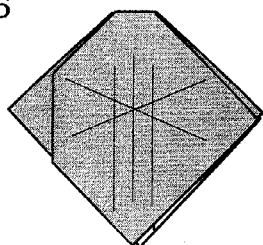


Squash-fold.

15

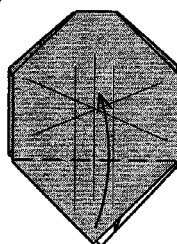


16



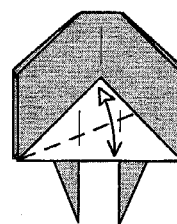
Repeat steps 14-15 on the right and behind.

17



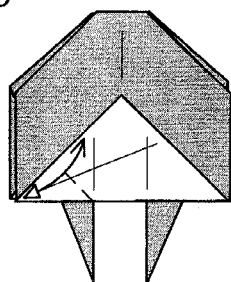
Repeat behind.

18



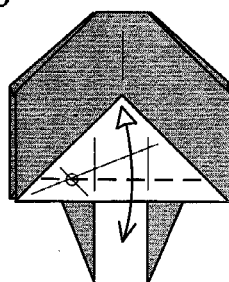
Fold down and unfold, crease lightly.

19



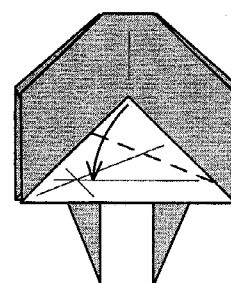
Fold up and unfold, crease lightly.

20



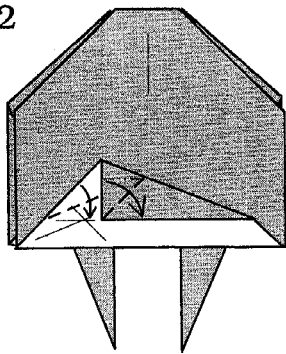
Fold down and unfold, crease lightly.

21



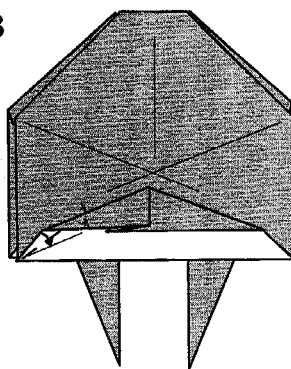
Fold down to the line.

22



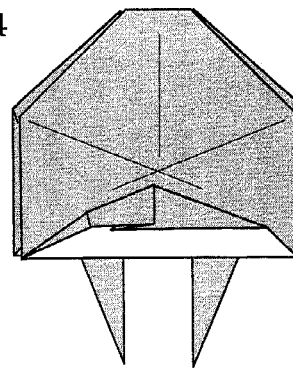
Squash-fold.

23



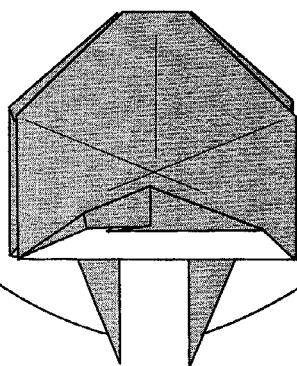
Fold to the crease line.

24



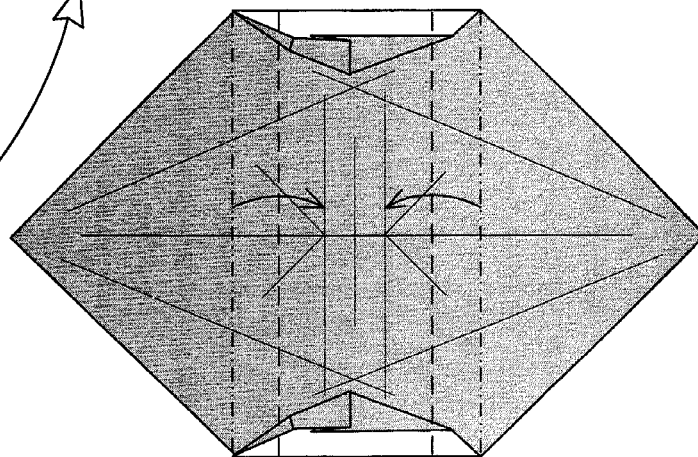
Repeat steps 18–23 behind in its mirror image.

25

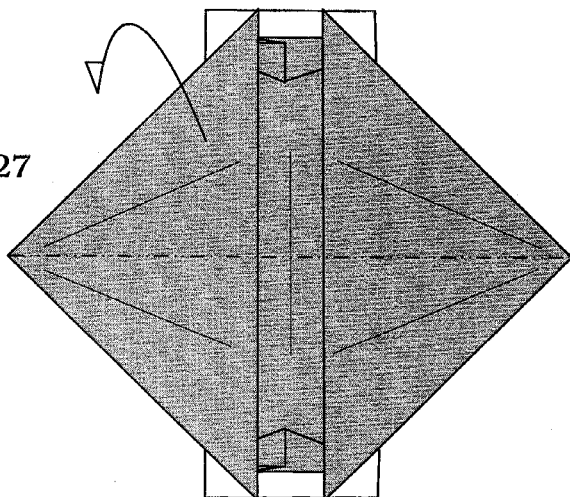


Unfold.

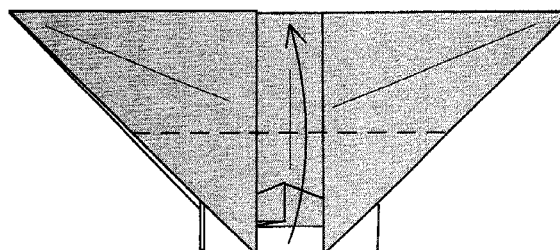
26



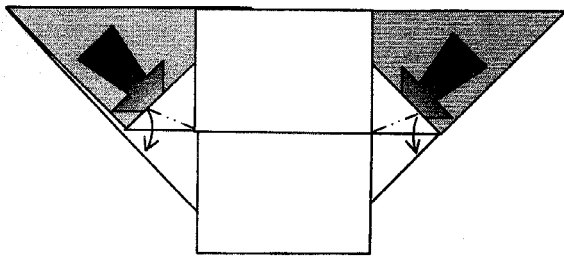
27



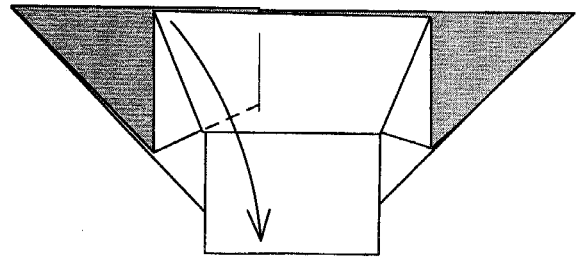
28



29

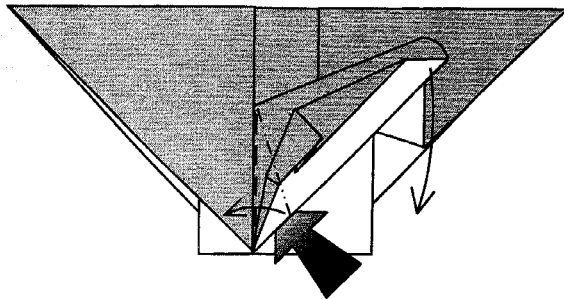


30



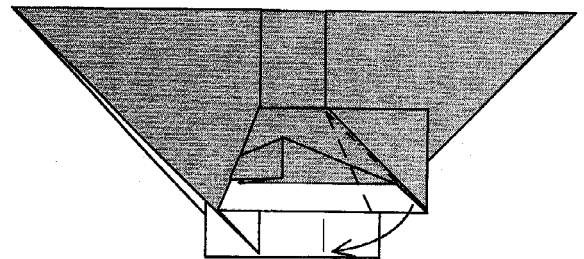
Only crease on the left side.

31

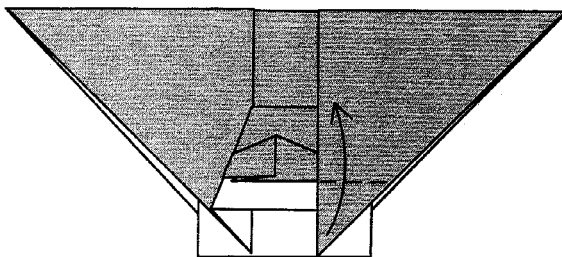


Squash-fold.

32

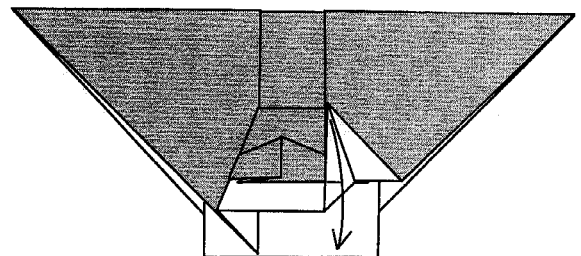


33

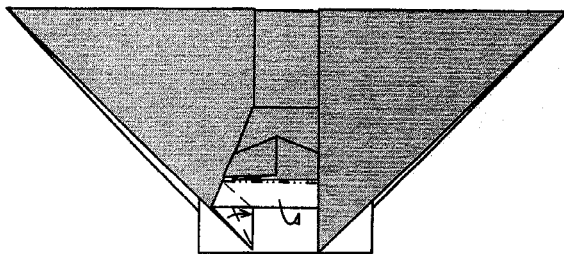


Crease lightly.

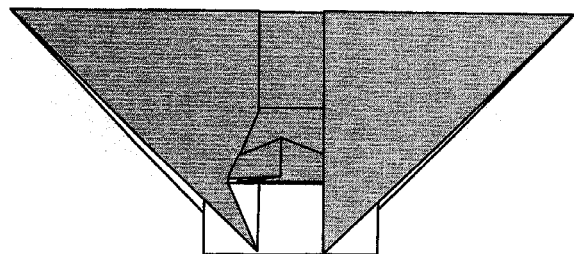
34



35

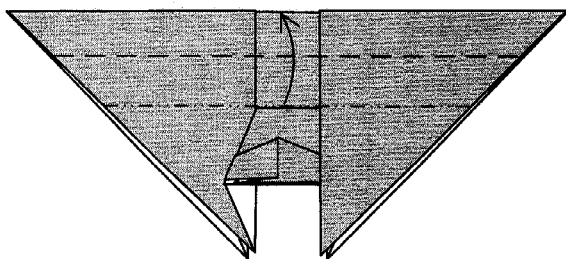


36



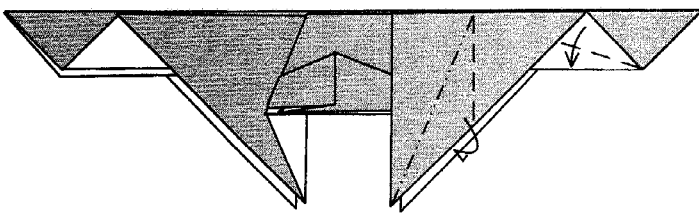
Repeat steps 28–35 behind.

37



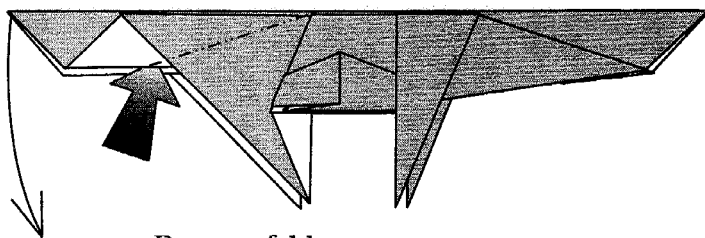
Repeat behind.

38



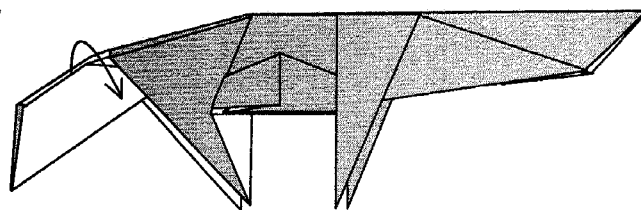
Repeat behind.

39



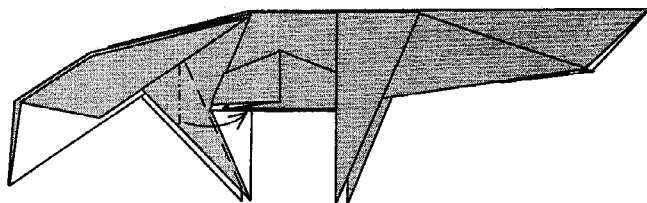
Reverse-fold.

40



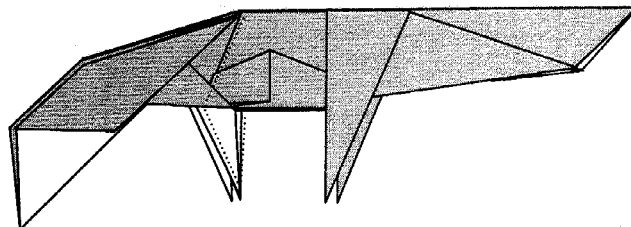
Fold inside-out, repeat behind.

41



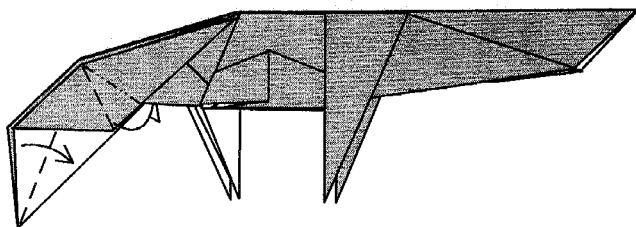
Repeat behind.

42



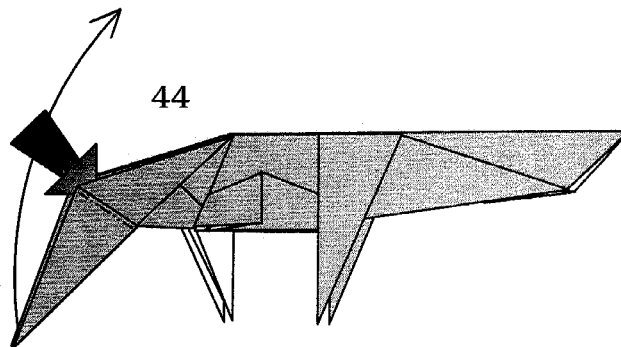
Place the lower layer on top. Repeat behind.

43

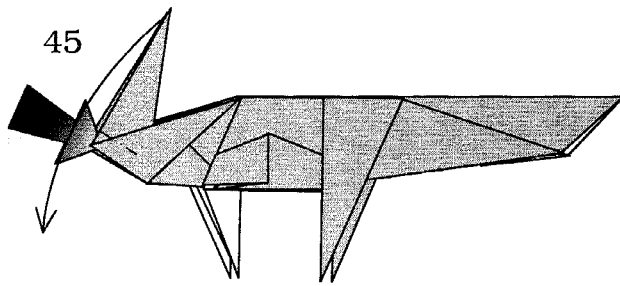


Tuck inside, repeat behind.

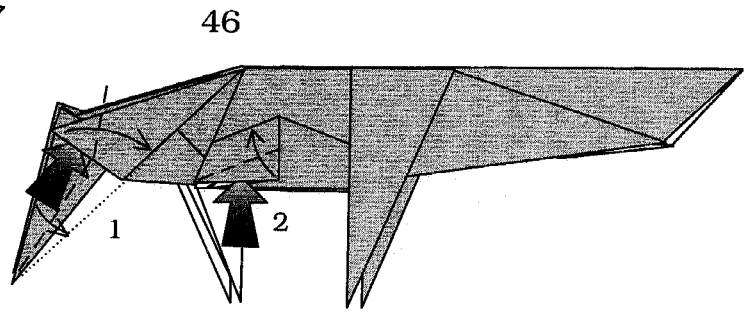
44



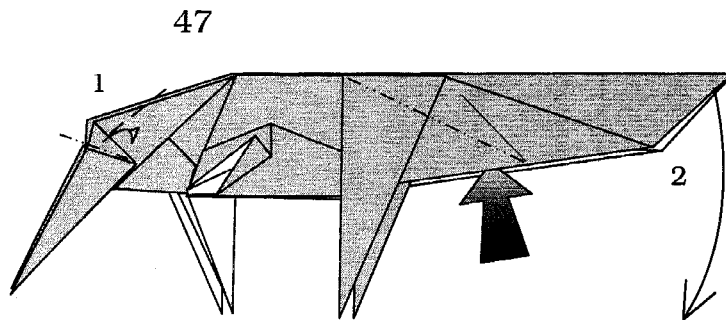
Reverse-fold.



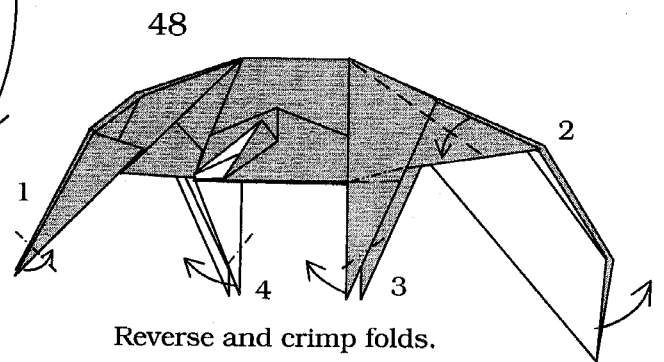
Reverse-fold.



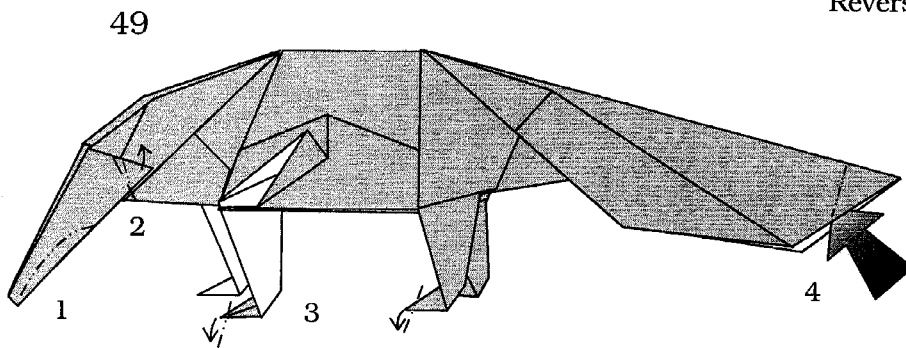
1. Squash-fold to the dotted line.
2. Squash-fold.
Repeat behind.



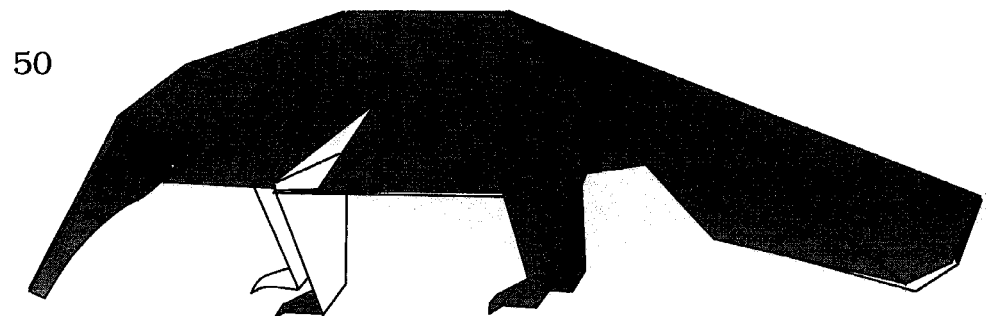
1. Repeat behind.
2. Reverse-fold.



Reverse and crimp folds.

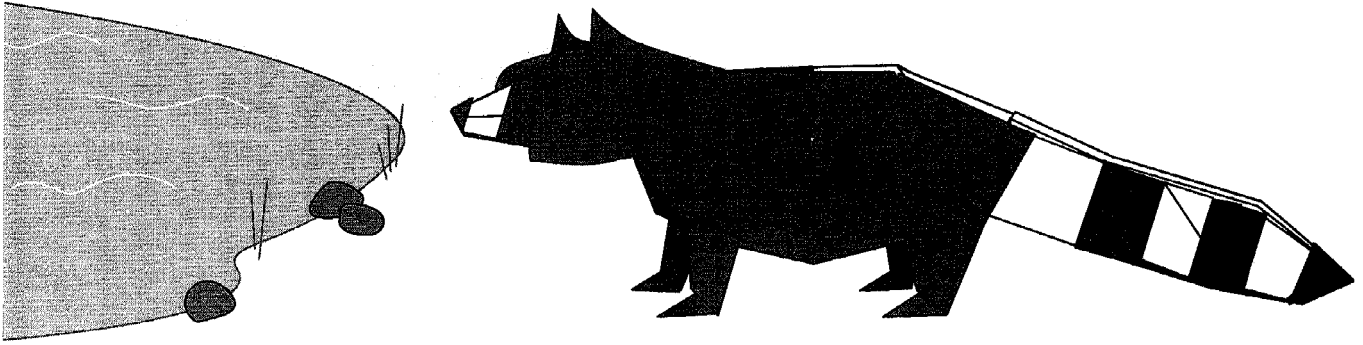


Repeat behind.



Anteater

Raccoon

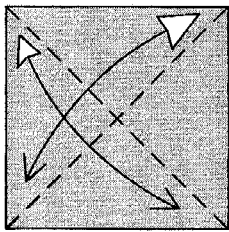


A raccoon is a furry animal with a bushy tail and a band of black hair around its eyes which resembles a mask. An adult raccoon measures around three feet in length and can weigh from twelve to twenty-five pounds.

Raccoons enjoy eating crabs, frogs, fish, bird's eggs, acorns, fruits, and a variety of other foods. A raccoon finds this food on its home range. A home range is the name given to the habitat, or living area, which a raccoon occupies. Usually these home ranges are about 200 acres, and the raccoon is able to do whatever is necessary to survive in this area.

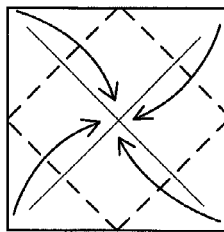
Raccoons are also known for their mischief. Raccoons can be a serious nuisance and are able to scratch through almost anything with their feet. Oddly enough, each one of their feet resembles a human hand, and raccoons are even able to manipulate their food with ease. Ironically, though, raccoons can be enjoyed as pets. They are said to be smarter than cats and easily trained, but unfortunately, by the age of one, they become very short tempered and begin to scratch and bite.

1



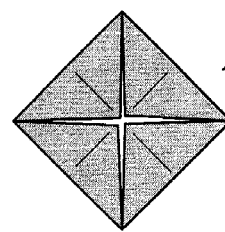
Fold and unfold along the diagonals.

2

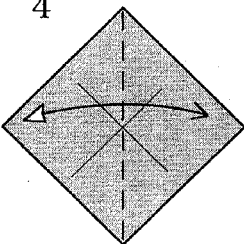


Fold the corners to the center.

3

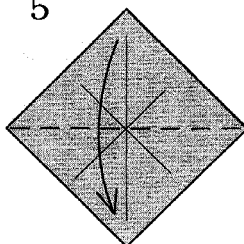


4

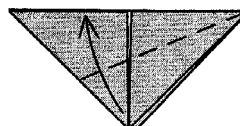


Fold and unfold.

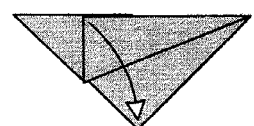
5



6

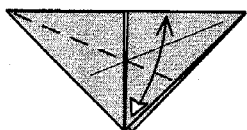


7



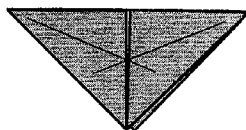
Unfold.

8



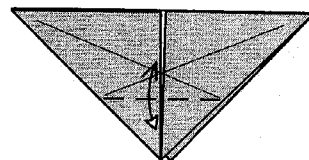
Fold and unfold.

9



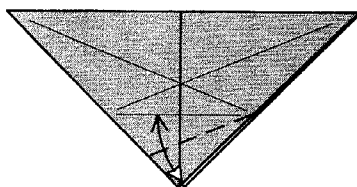
Repeat steps 6-8 behind.

10



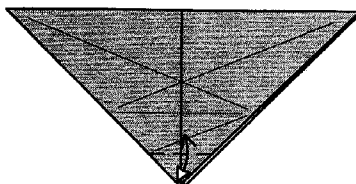
Fold up and unfold creasing lightly.

11



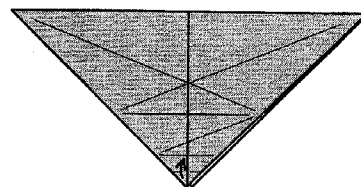
Fold up and unfold creasing lightly.

12



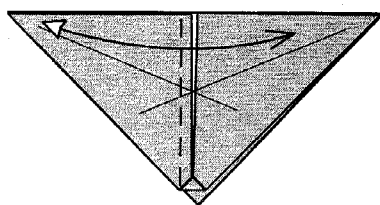
Fold up and unfold creasing lightly.

13



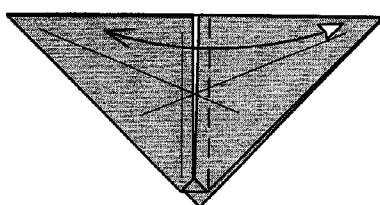
Fold up almost to the line.

14



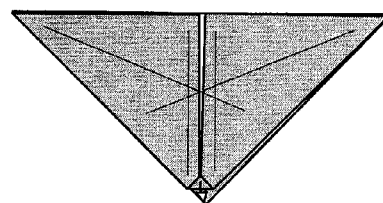
Fold and unfold.

15



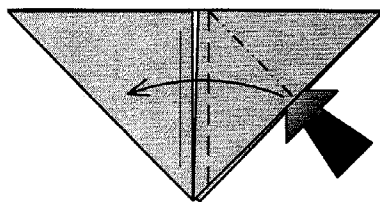
Fold and unfold.

16



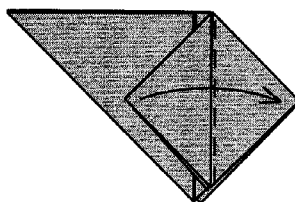
Unfold at the bottom.

17

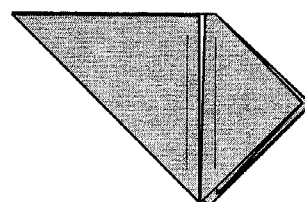


Squash-fold.

18

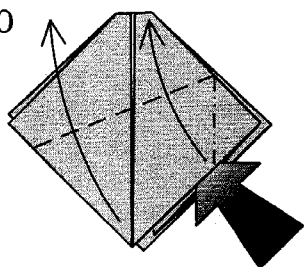


19



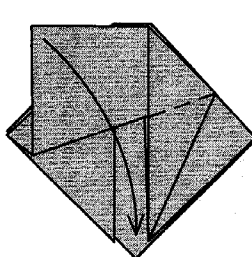
Repeat steps 17-18 on the left.

20

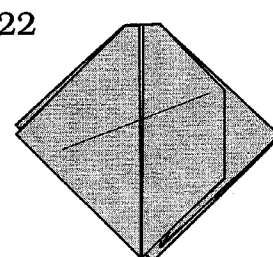


Squash-fold.

21

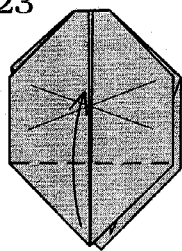


22



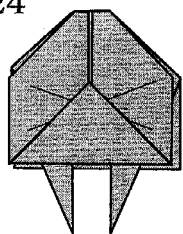
Repeat steps 20-21 on the left and behind.

23



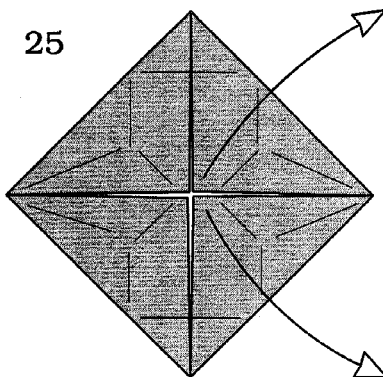
Fold up, repeat
behind.

24



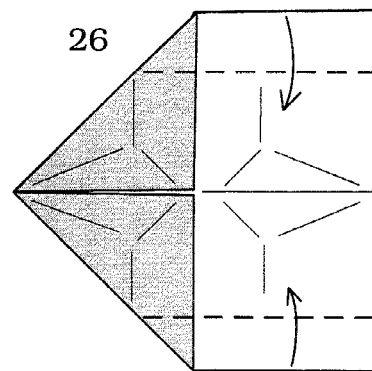
Unfold almost
everything.

25



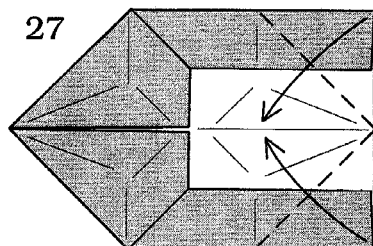
Continue unfolding.

26

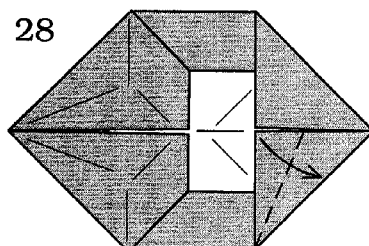


Fold along the creases.

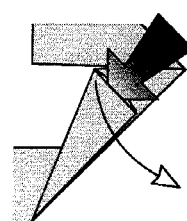
27



28

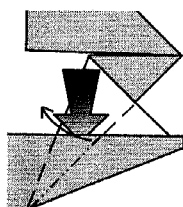


29



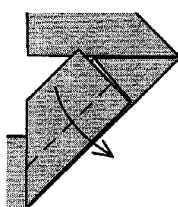
Pull out the corner.

30

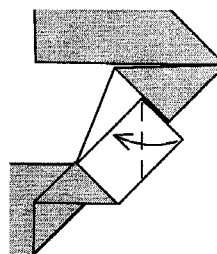


Squash-fold.

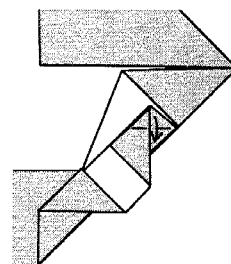
31



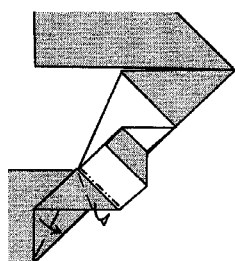
32



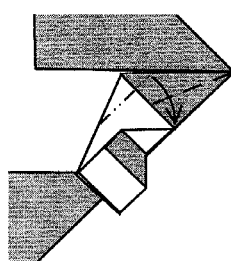
33



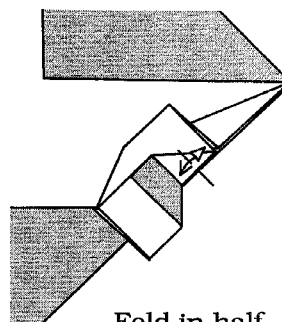
34



35

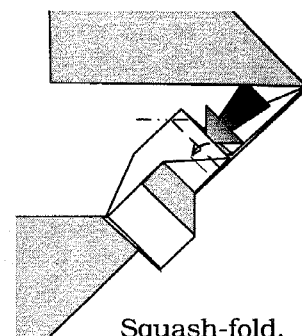


36



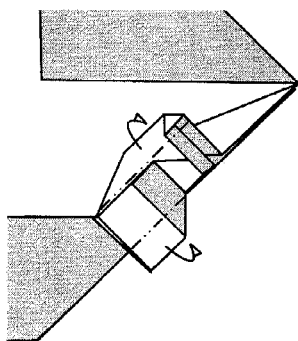
Fold in half
and unfold.

37

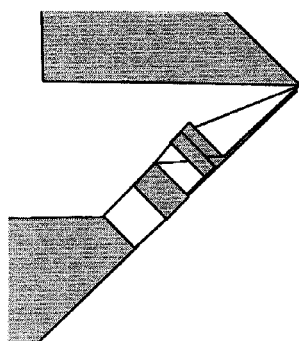


Squash-fold.

38

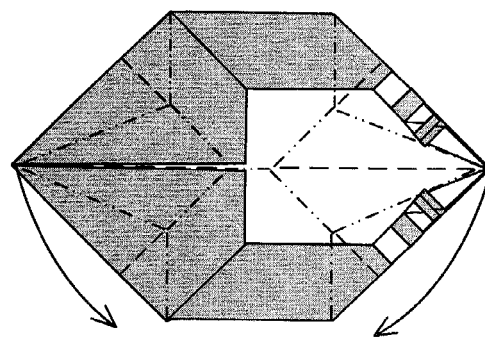


39



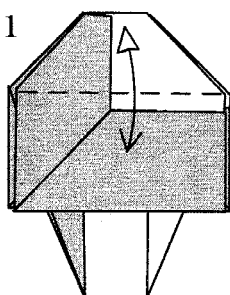
Repeat steps 28-38.

40



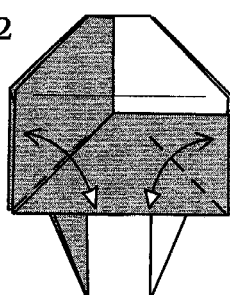
Collapse along the creases.

41



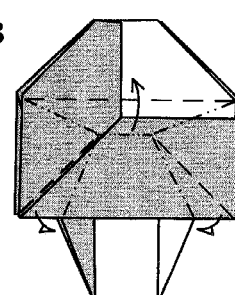
Fold and unfold.

42

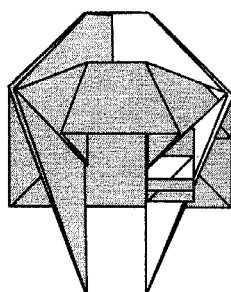


Fold and unfold.

43

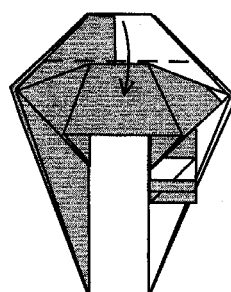


44

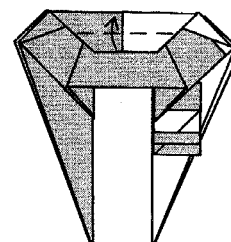


Repeat steps 41-43 behind.

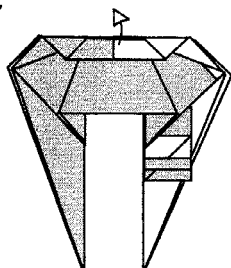
45



46

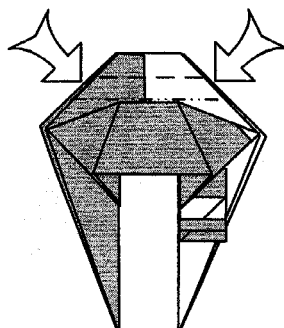


47



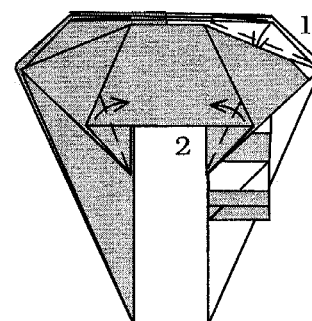
Unfold.

48

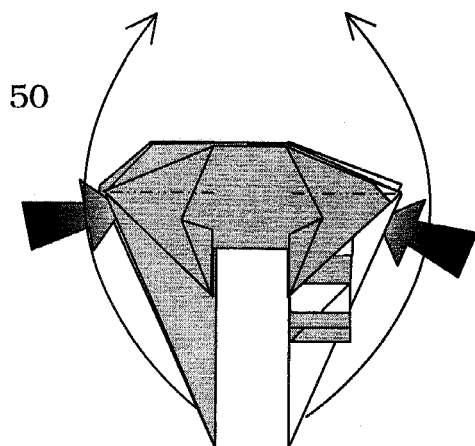


Sink down and up.

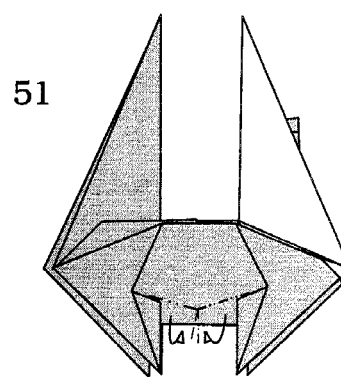
49



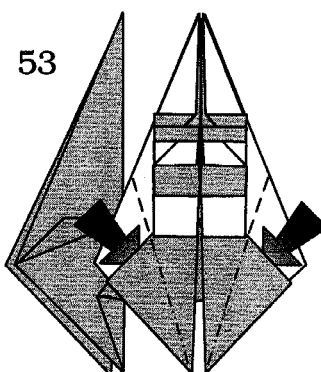
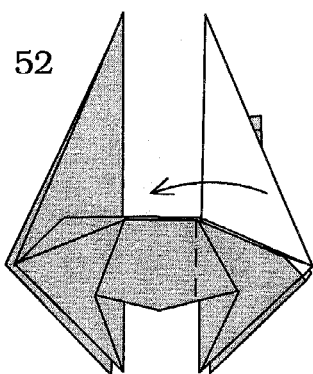
Tuck inside at 1.
Repeat behind.



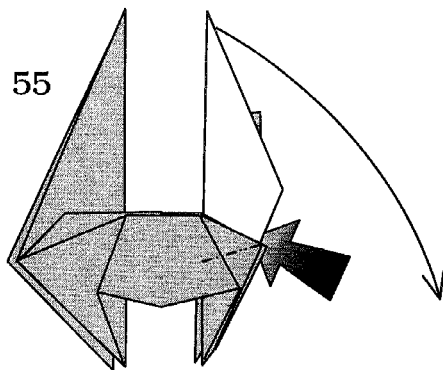
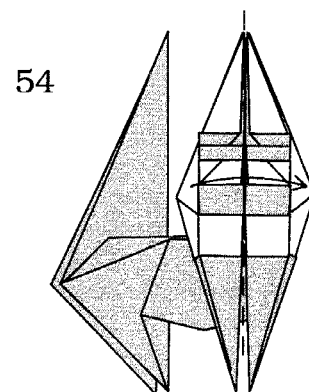
Reverse folds.



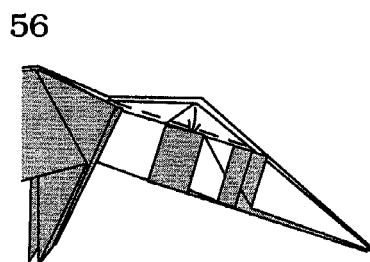
Repeat behind.



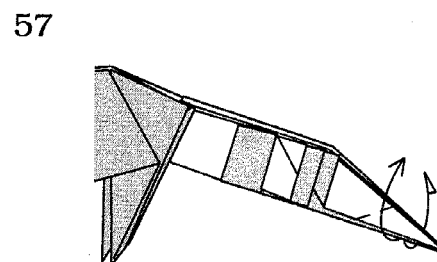
Reverse folds.



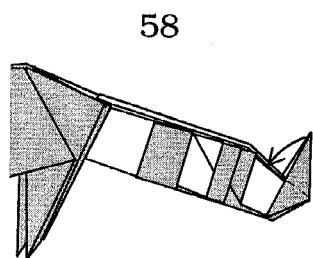
Reverse-fold.



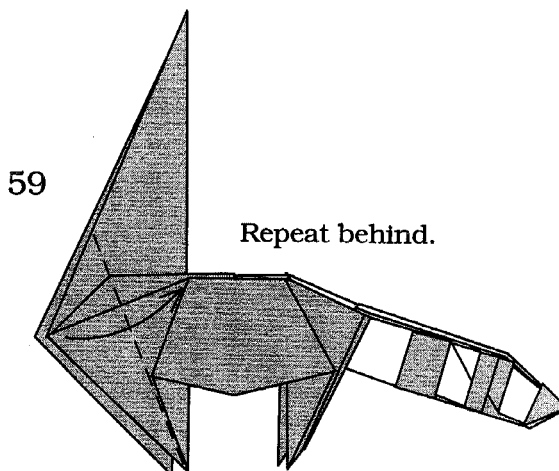
Tuck inside, repeat behind.



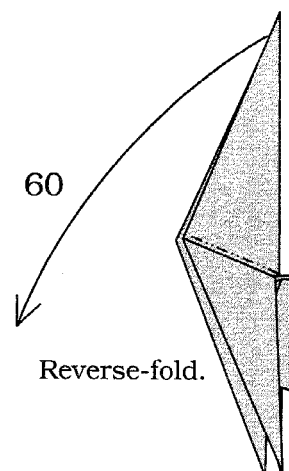
Outside-reverse-fold.



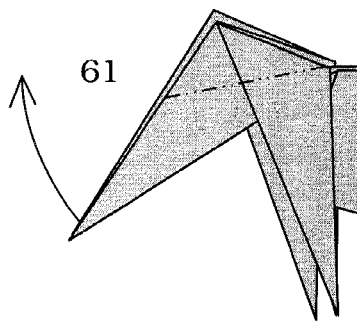
Reverse-fold, tuck inside.



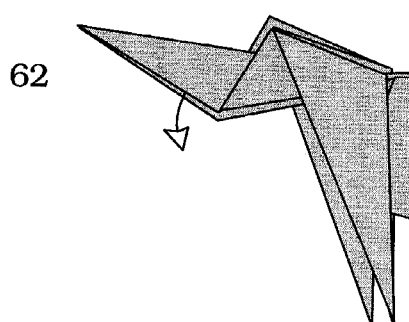
Repeat behind.



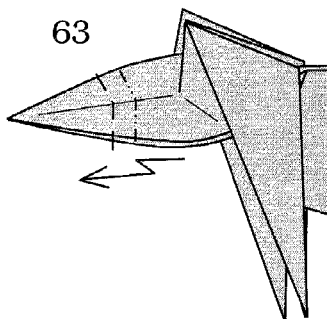
Reverse-fold.



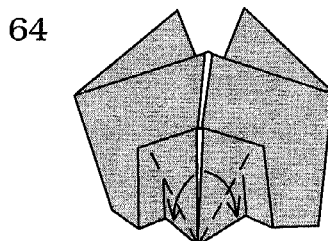
Reverse-fold.



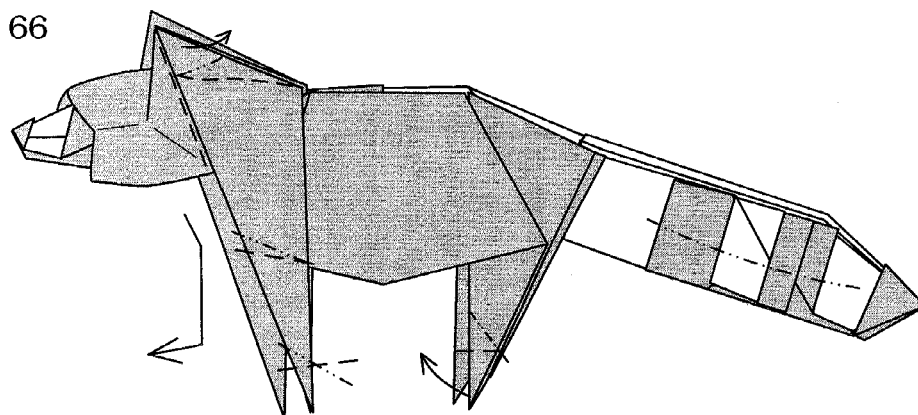
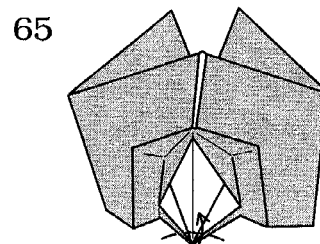
Pull out, repeat behind.



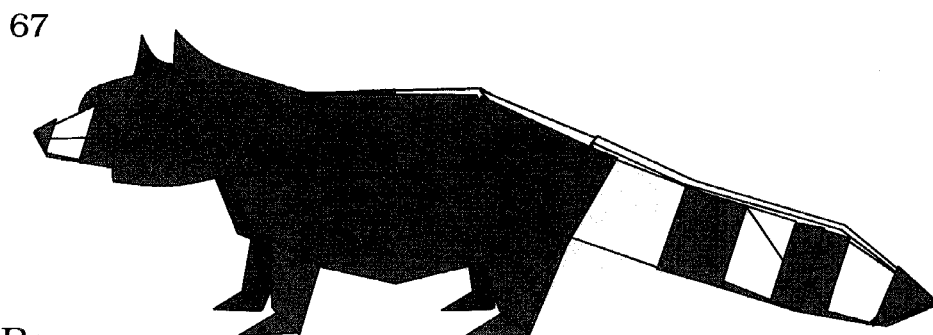
The head is three-dimensional.
Reverse folds.



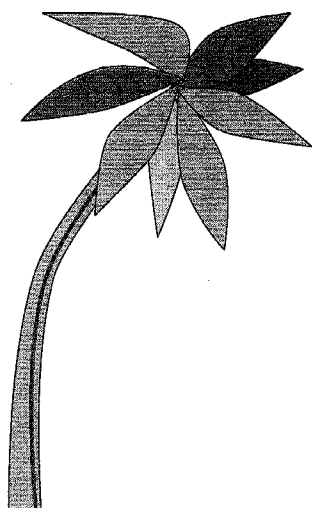
Front view.



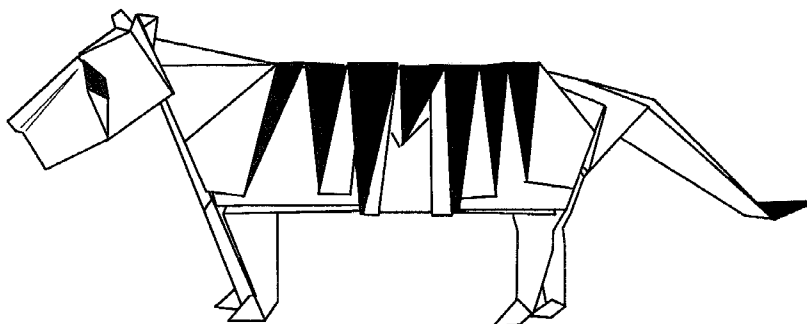
Shape the ears, legs, and tail. Repeat behind.



Raccoon



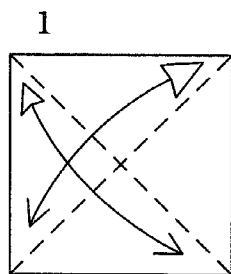
Tiger



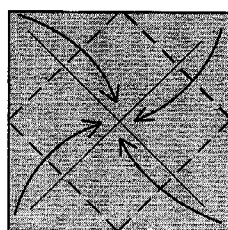
The tiger is the largest member of the cat family. Its strength, beauty, and ferocity are unrivalled among cats. Tigers may grow to be in excess of 10 feet long and 3 feet tall. Full grown males may weigh over 600 pounds. The largest sub-species is the Siberian tiger, found in the snowy reaches of Siberia. Tigers' coats, striped with distinctive black slashes on orange and white, are among the most stunning coats of the cat family.

Tigers are solitary hunters. They usually hunt at night, using excellent hearing and vision. Their prey consists mainly of larger animals—deer, antelope, wild oxen, and boar. Although most cats dislike water, tigers often take to water on hot days. Tigers have ranges extending over 250 square miles.

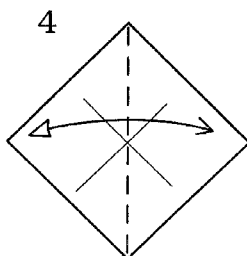
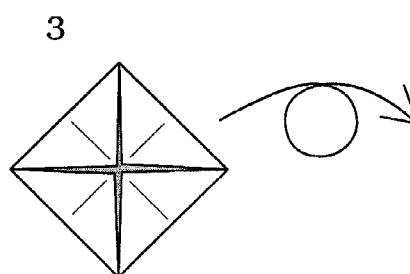
Once found throughout Asia, tigers are now only in selected areas of India, Russia, China, and Indonesia. Tiger numbers have greatly dwindled since 1900, when 40,000 were found in India alone. Today, only 4,000 remain in India. Tigers can be seen in most zoos.



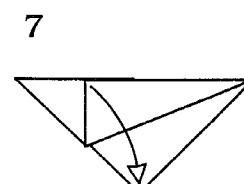
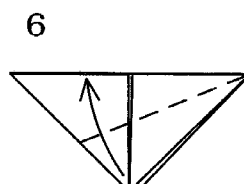
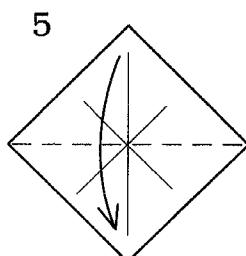
Fold and unfold along the diagonals.



Fold the corners to the center.

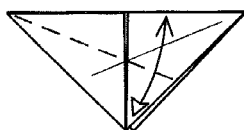


Fold and unfold.



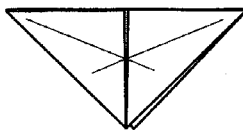
Unfold.

8



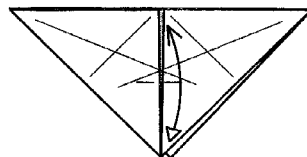
Fold and unfold.

9



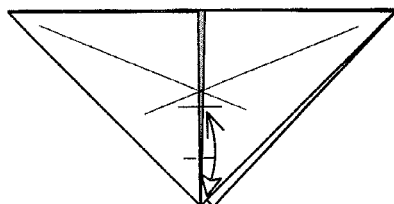
Repeat steps 6-8 behind.

10



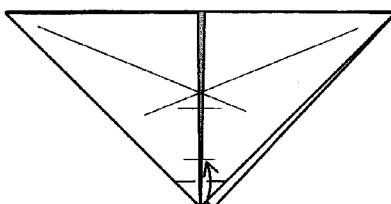
Fold up to the top creasing only in the center and unfold.

11

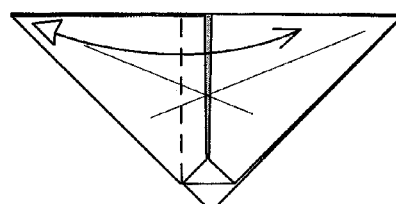


Fold up only in the center and unfold.

12

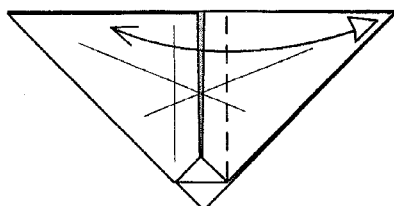


13



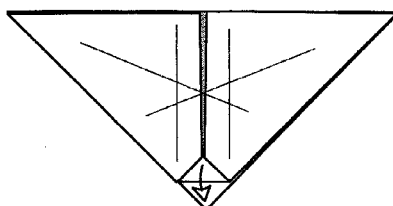
Fold and unfold.

14



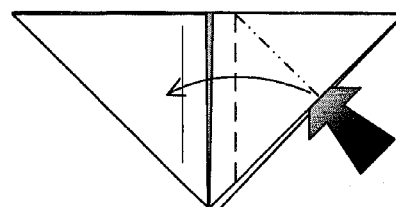
Fold and unfold.

15



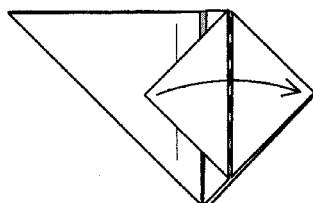
Unfold at the bottom.

16

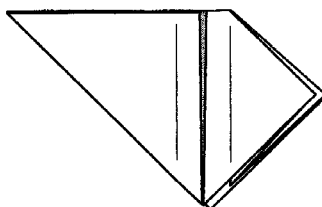


Squash-fold.

17

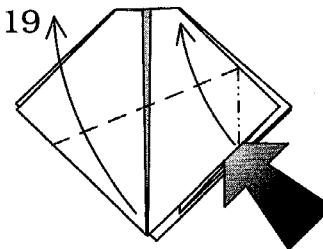


18



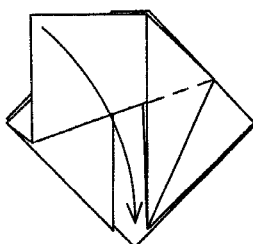
Repeat steps 16-17 on the left.

19

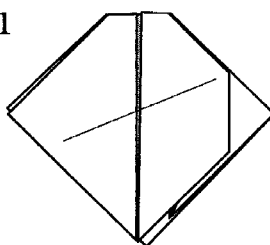


Squash-fold.

20

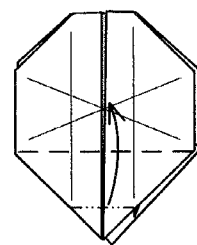


21



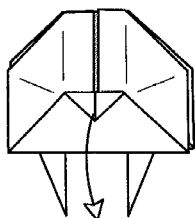
Repeat steps 19-20 on the left and behind.

22



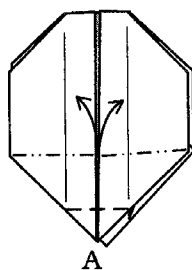
Repeat behind.

23



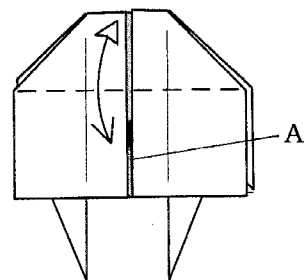
Unfold, repeat behind.

24



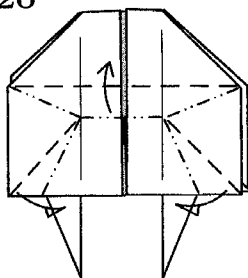
Fold inside with reverse folds, repeat behind.

25

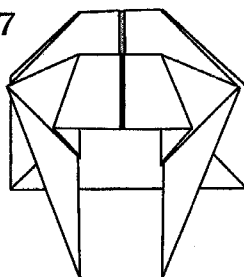


Fold and unfold.

26

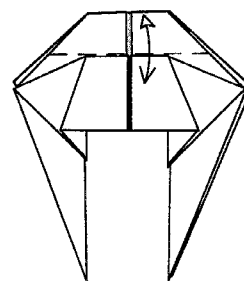


27



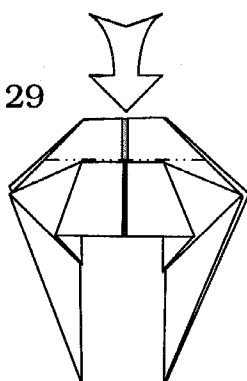
Repeat steps 25–26 behind.

28



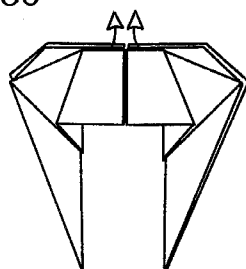
Fold and unfold.

29



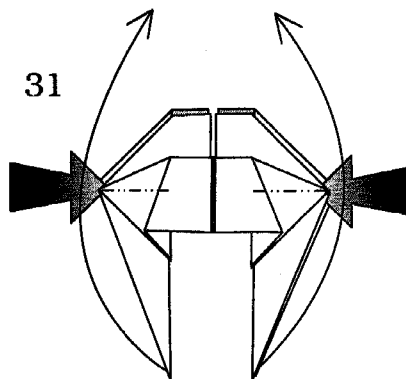
Sink.

30



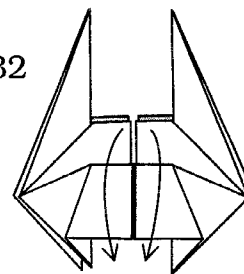
Pull out the four corners.

31



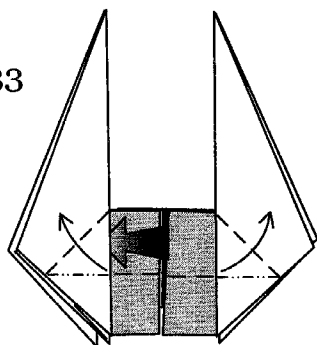
Reverse folds.

32



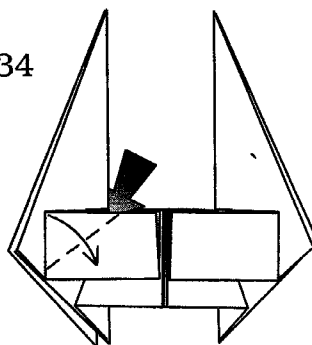
Unlock, repeat behind.

33



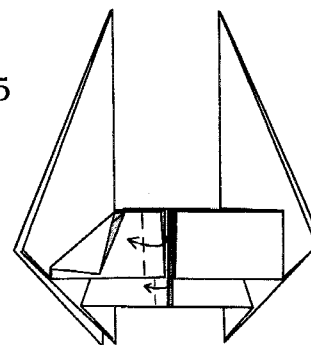
Squash folds, repeat behind.

34



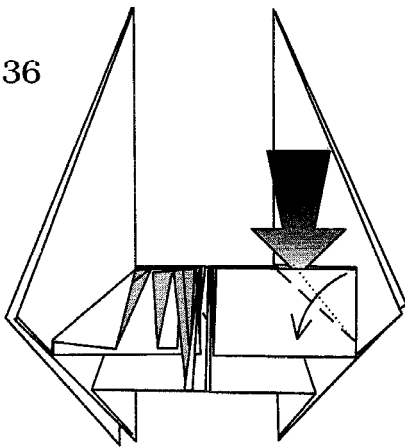
Squash-fold to form a stripe. Repeat behind.

35



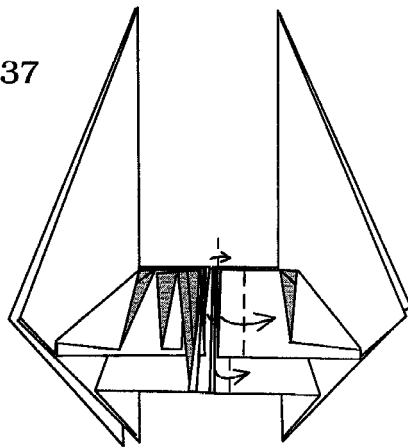
Fold four layers to make two stripes. Repeat behind.

36



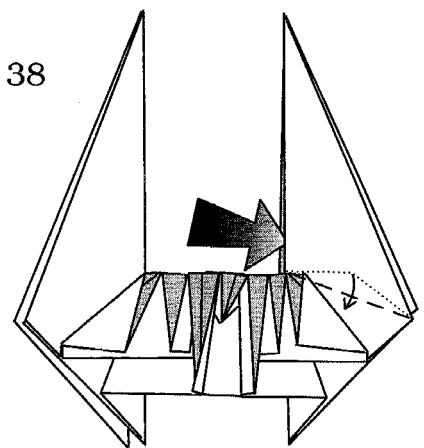
Squash-fold, repeat behind.

37



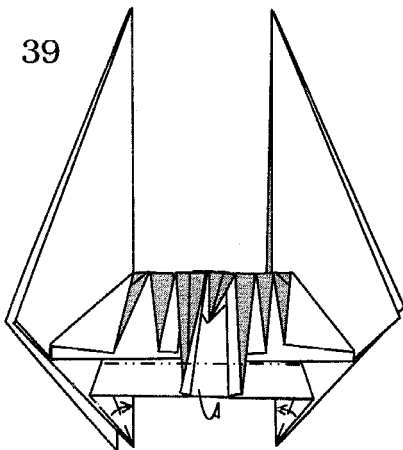
Fold five layers to form three stripes. Repeat behind.

38



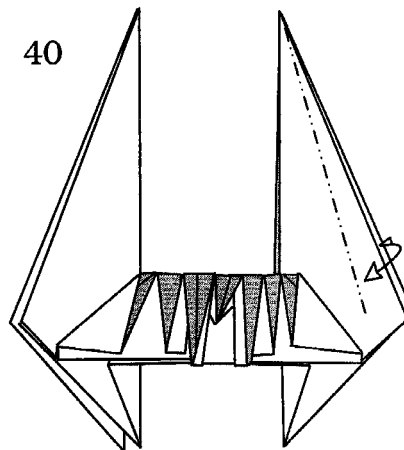
Tuck inside, repeat behind.

39



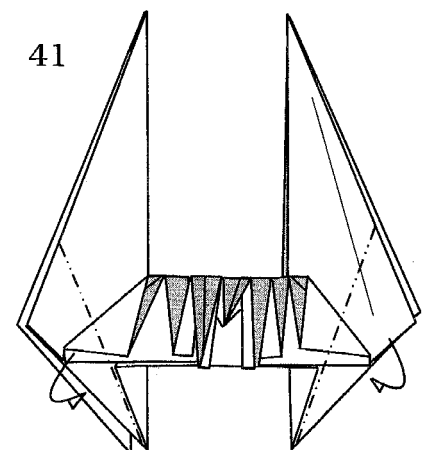
Repeat behind.

40



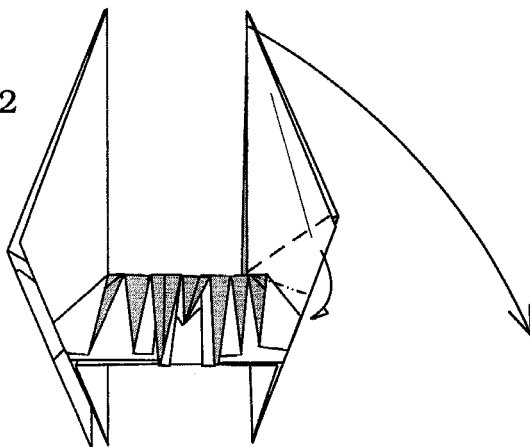
Fold behind at an angle of one-third. Unfold and repeat behind.

41



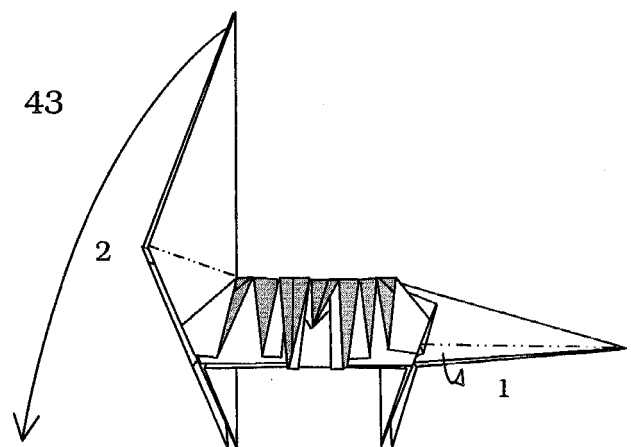
Repeat behind.

42

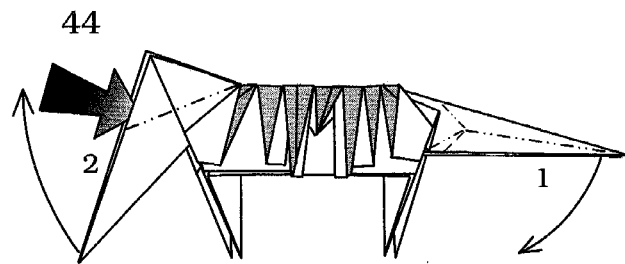


Crimp-fold.

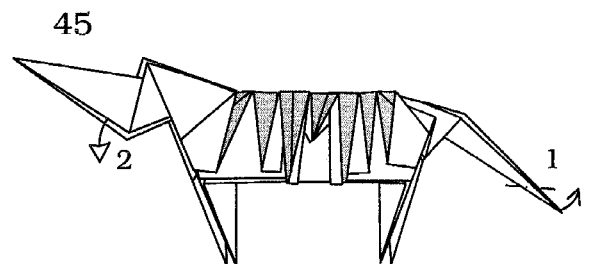
43



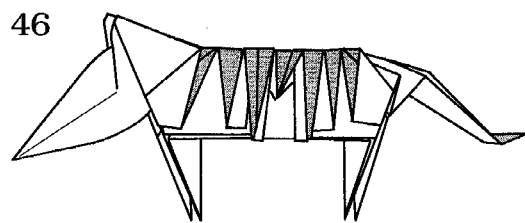
1. Repeat behind.
2. Reverse-fold.



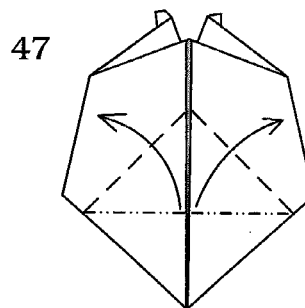
1. Double-rabbit-ear.
2. Reverse-fold.



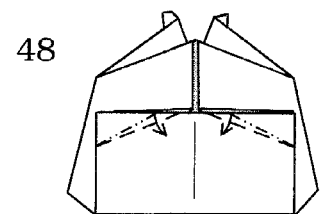
1. Reverse-fold.
2. Pull out paper, repeat behind.



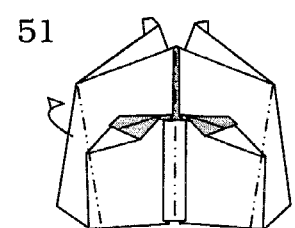
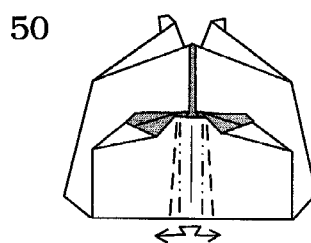
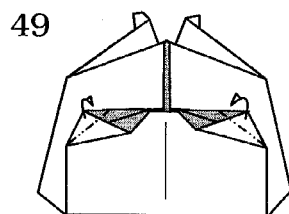
Front view of head.



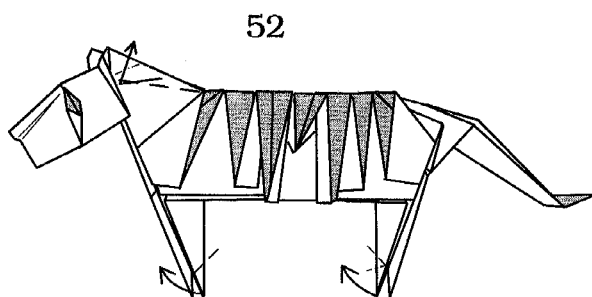
Open.



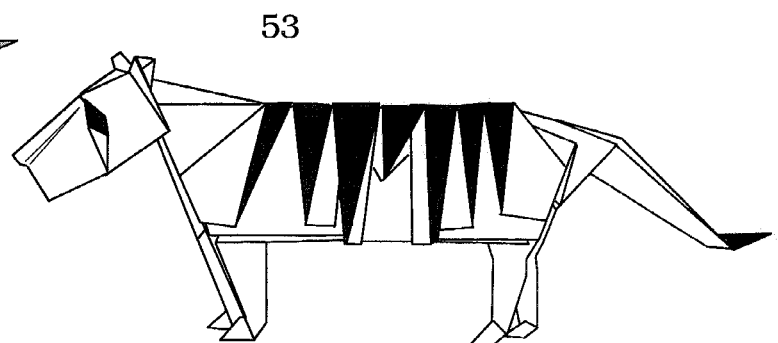
Squash folds.



Fold the head in half. It will be three-dimensional.

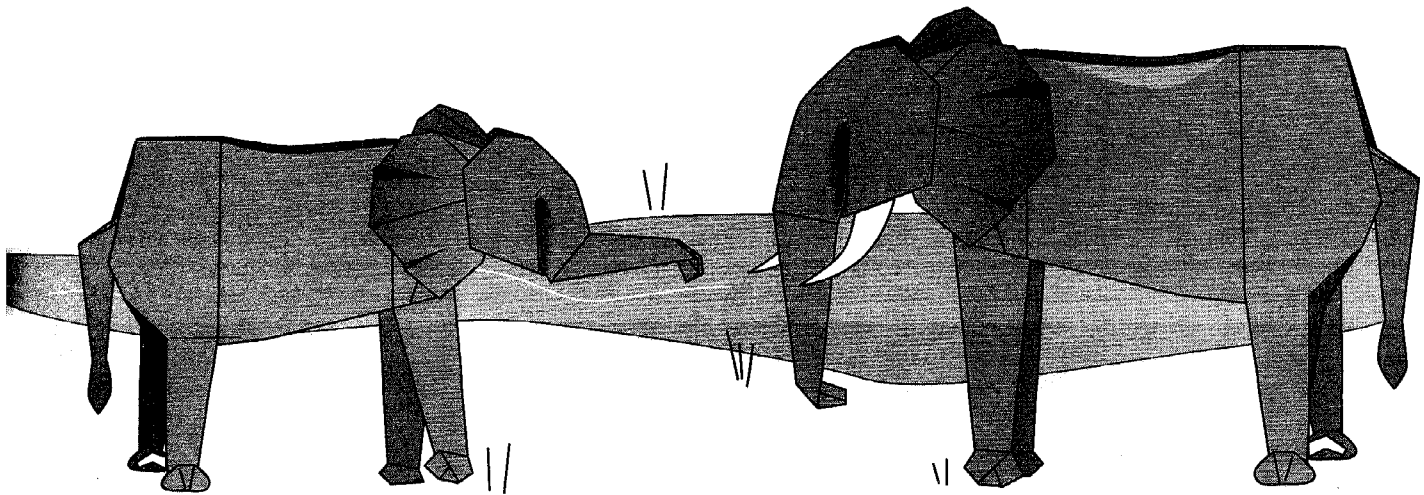


Shape the ears and feet. Repeat behind.



Tiger

Elephant

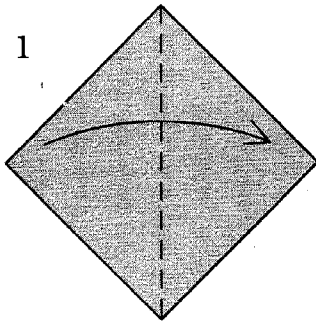


*Zō-San, Zō-San
Ohana ga nagai no ne?
Sō yo, Kāsan mo
Nagai no yo.*

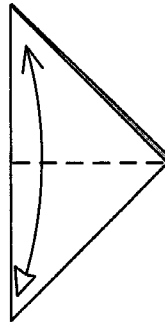
Elephant, elephant,
Why is your nose so long?
True, my mother's nose is also
Really long!

—Japanese Children's Song

1

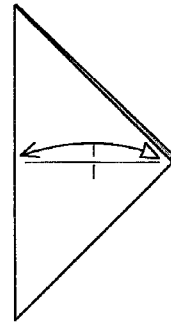


2



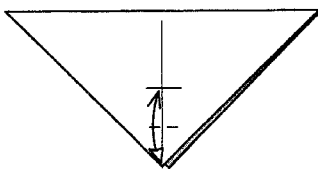
Fold up and unfold.

3



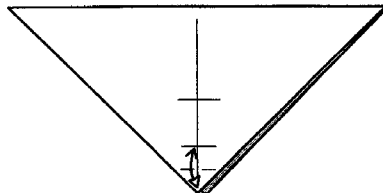
Fold one layer and unfold, creasing only at the center. Rotate.

4



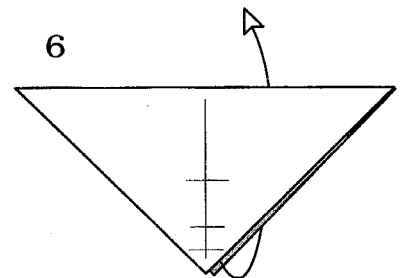
Fold up and unfold, creasing only at the center.

5

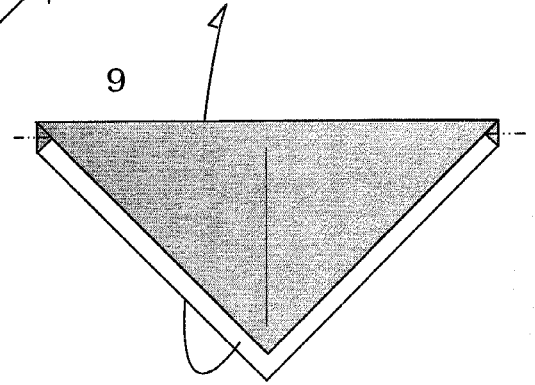
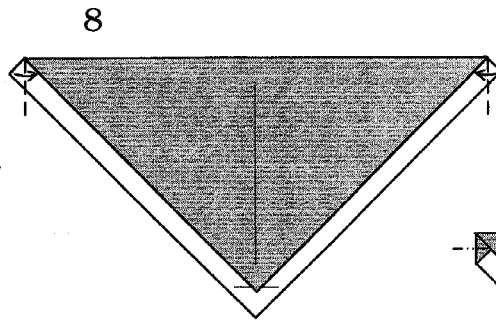
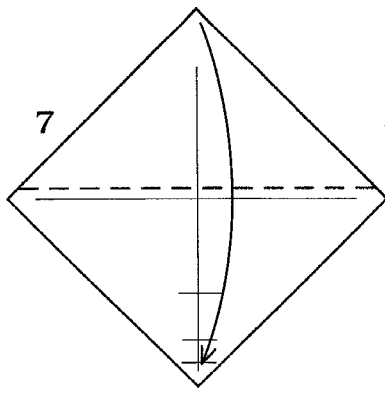


Fold up and unfold, creasing only at the center.

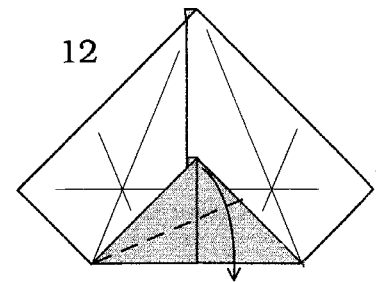
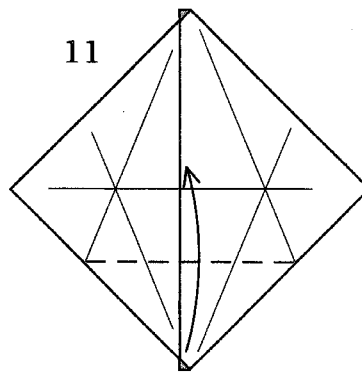
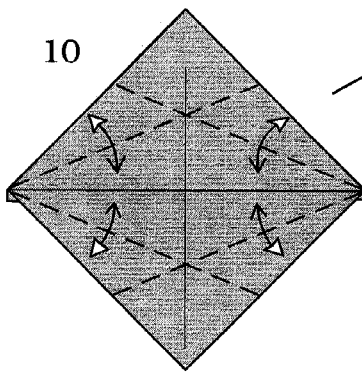
6



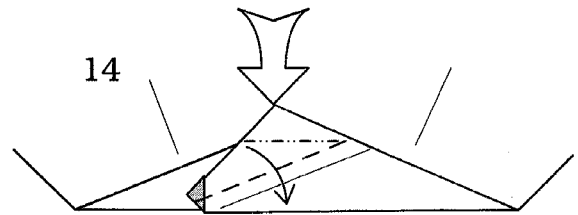
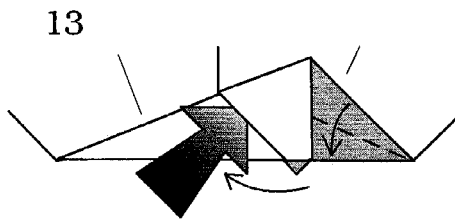
Unfold.



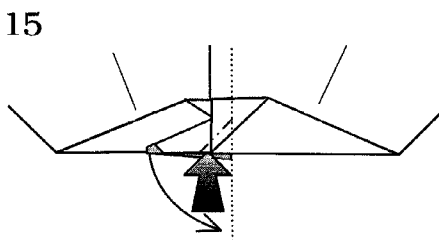
Fold a little below the line.



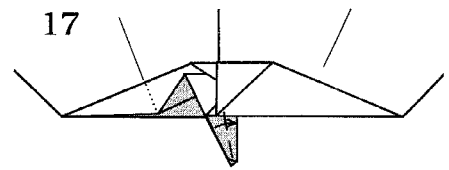
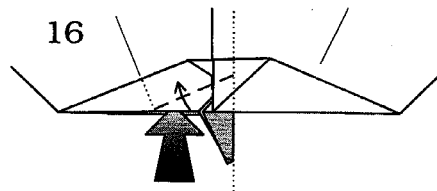
Kite folds, unfold.
Turn over and rotate.



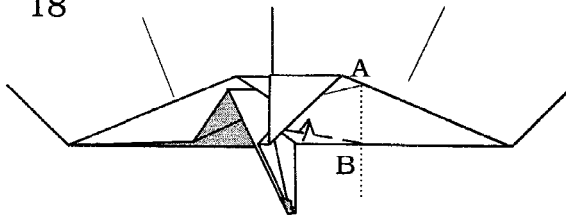
Spread-squash-fold.



Place your finger inside
the colored layer for
this reverse fold.

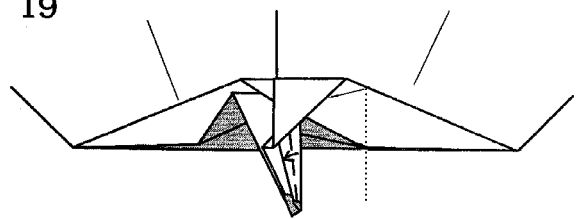


18

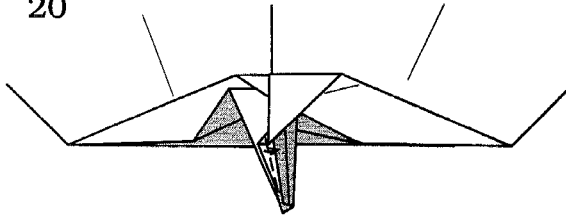


Use A as a guide for B.

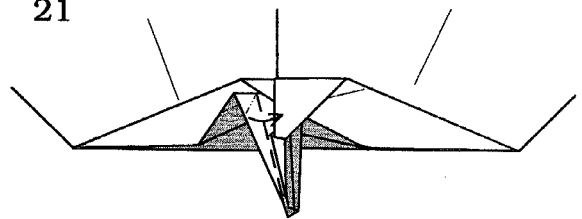
19



20

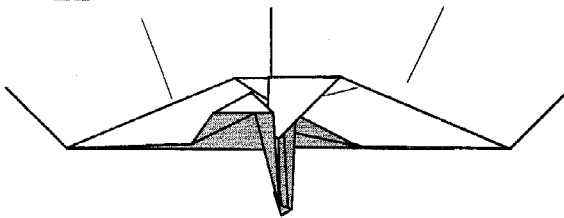


21

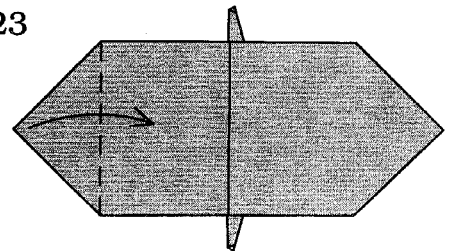


Squash-fold.

22

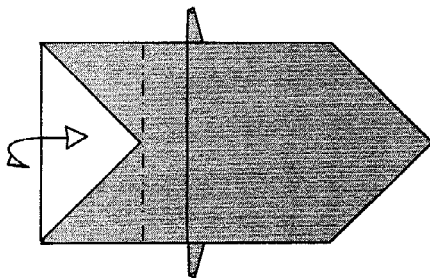


23



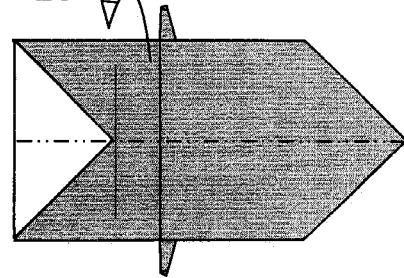
Repeat steps 10-21 to form the other front leg.

24

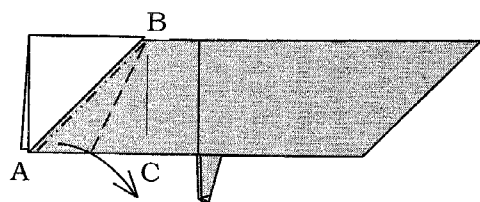


Fold behind and unfold, crease lightly.

25

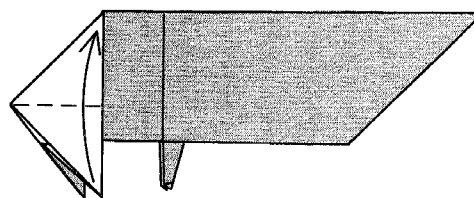


26



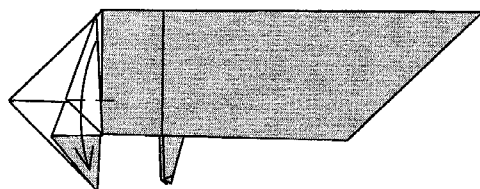
Fold line A-B to line B-C, repeat behind.

27

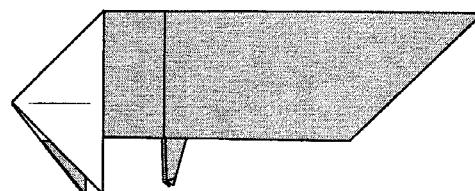


Squash-fold.

28

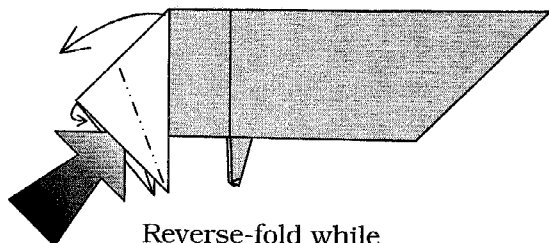


29



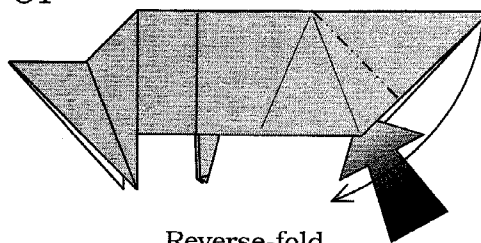
Repeat steps 27-28 behind.

30



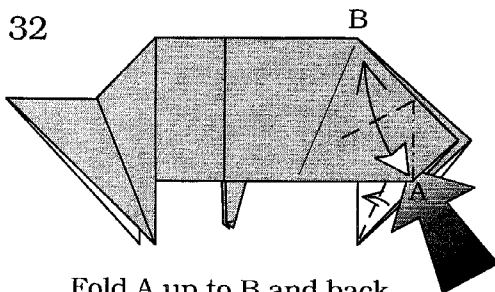
Reverse-fold while folding the corner out.

31



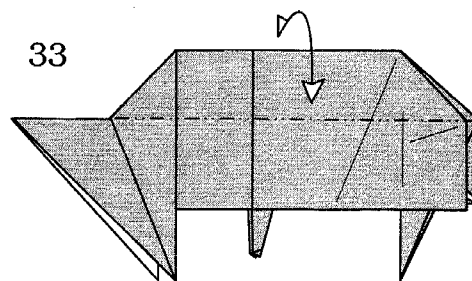
Reverse-fold.

32



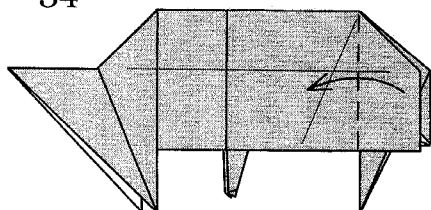
Fold A up to B and back down. Repeat behind.

33

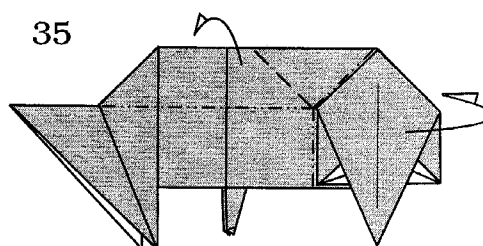


Fold behind and unfold.

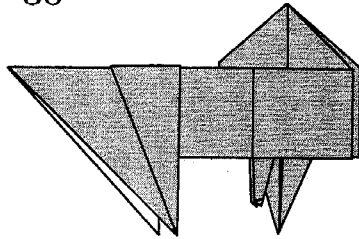
34



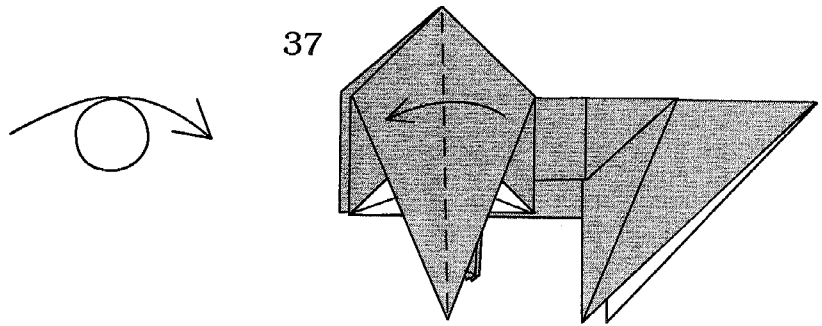
35



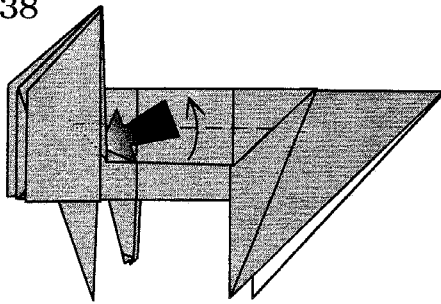
36



37

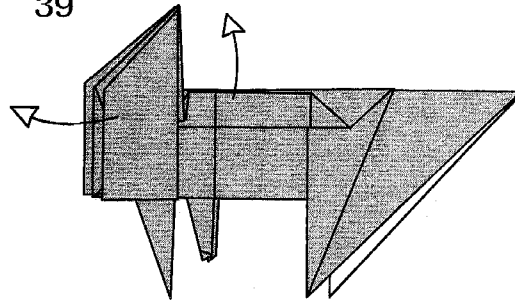


38



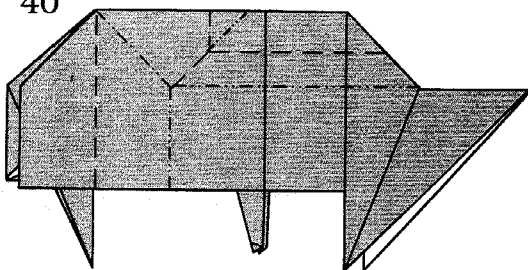
Reverse-fold.

39



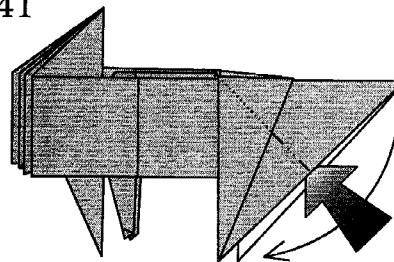
Unfold.

40



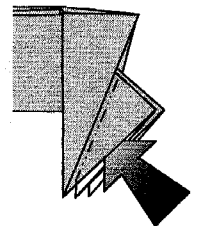
Collapse along the creases.

41



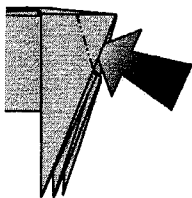
Reverse-fold.

42



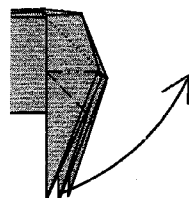
Reverse-fold,
repeat behind.

43



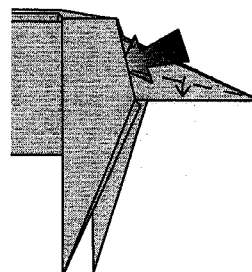
Reverse-fold.

44



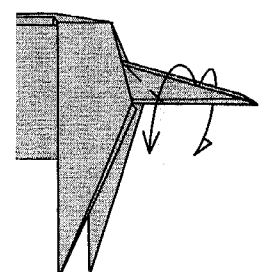
Crimp-fold.

45



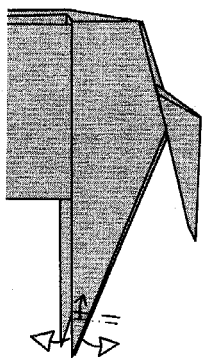
Reverse-fold,
repeat behind.

46



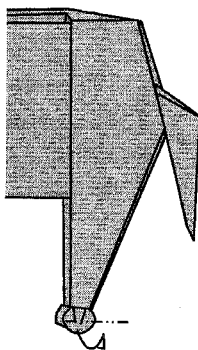
Outside-reverse-fold.

47



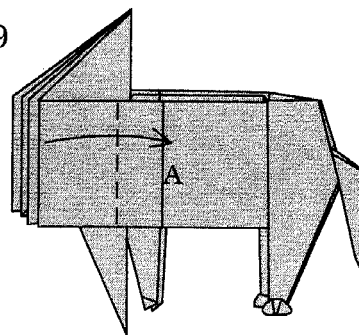
Separate the bottom layers, repeat behind.

48



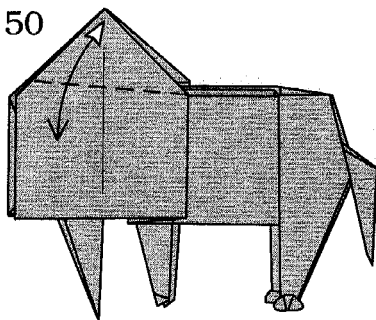
Repeat behind.

49



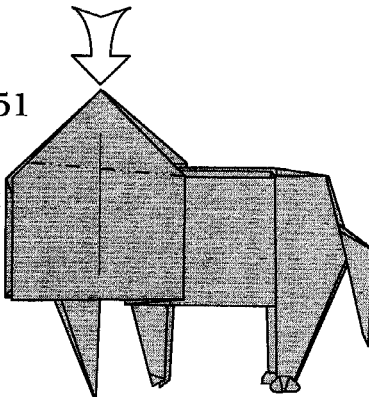
Fold just beyond line A, repeat behind.

50



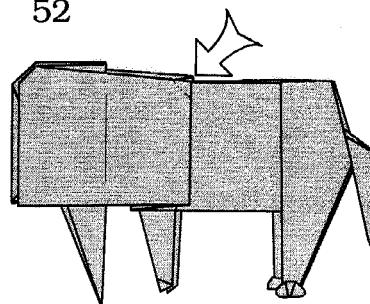
Fold down and unfold.

51



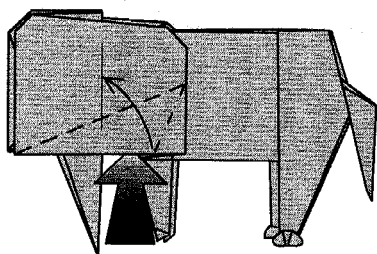
Sink.

52



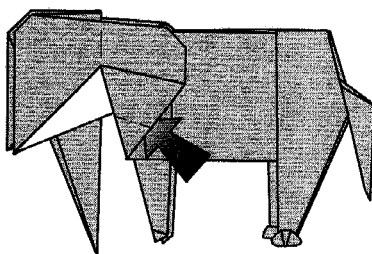
Sink, repeat behind.

53



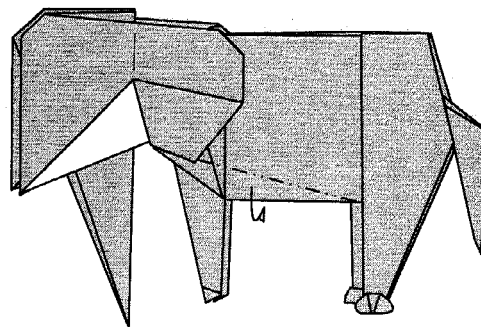
Squash-fold, repeat behind.

54



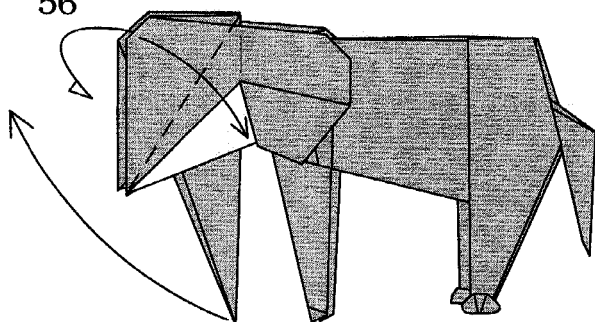
Reverse-fold, repeat behind.

55

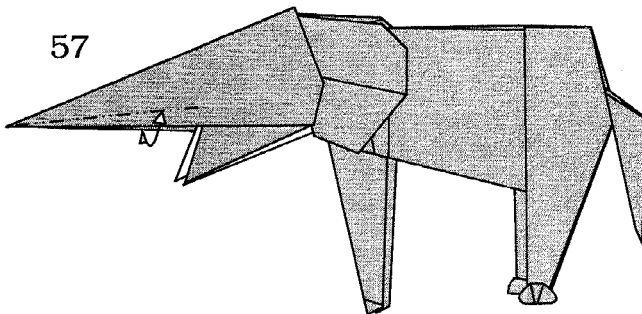


Repeat behind.

56

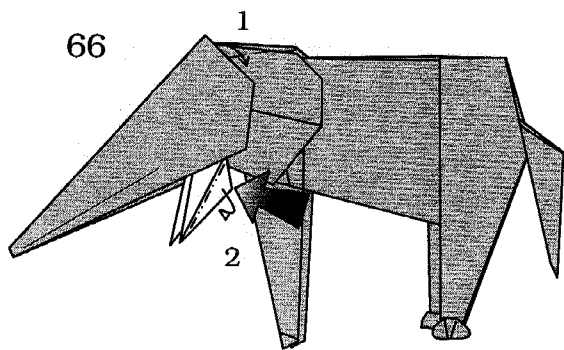


57



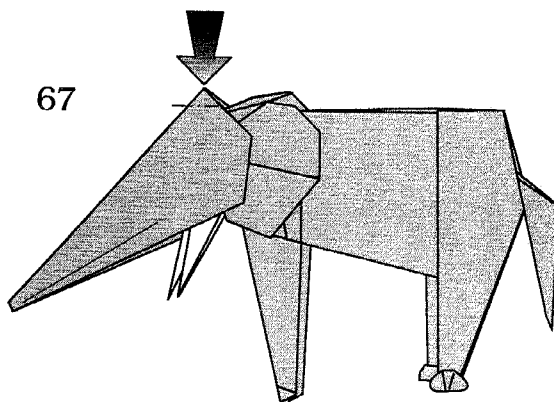
Fold behind at an angle of one-third, unfold and repeat behind.

66



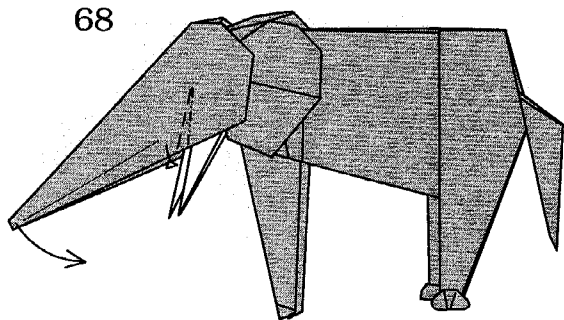
Shape the tusk and ear.
Repeat behind.

67



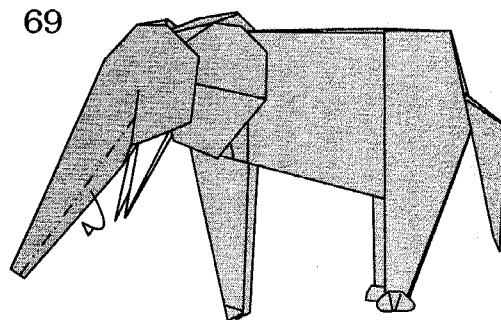
Reverse-fold.

68



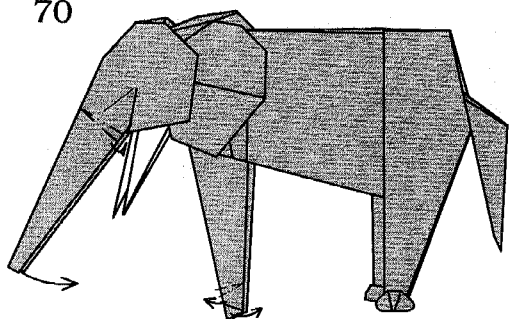
Crimp-fold.

69



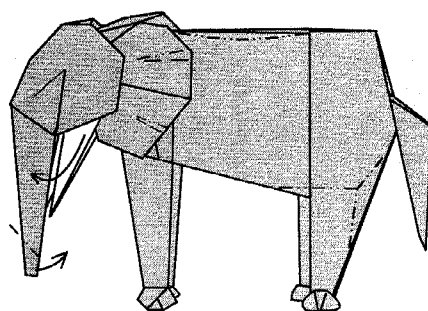
Fold at an angle of one-third along
the existing line. Repeat behind.

70



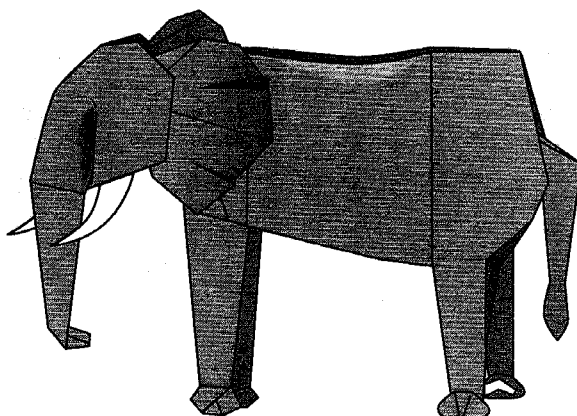
Crimp-fold the trunk. Shape
the toes, repeat behind.

71

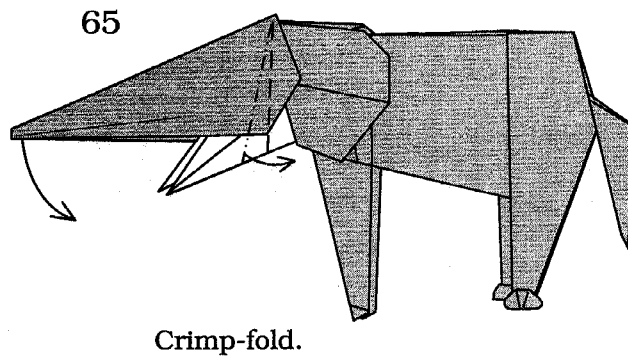
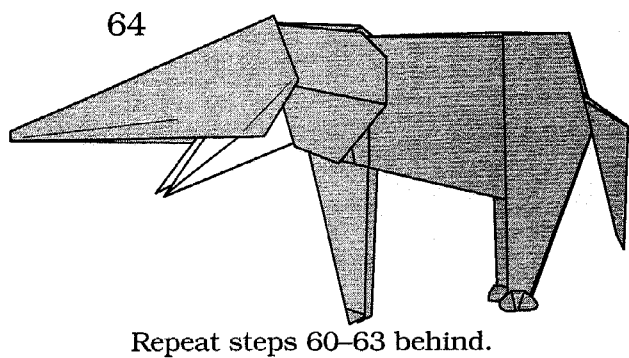
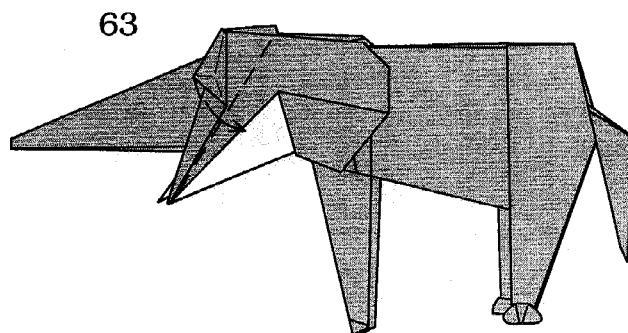
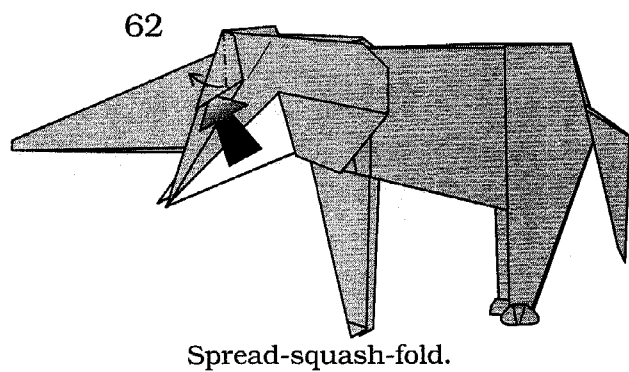
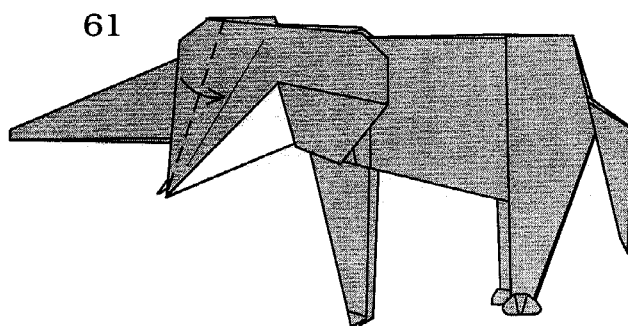
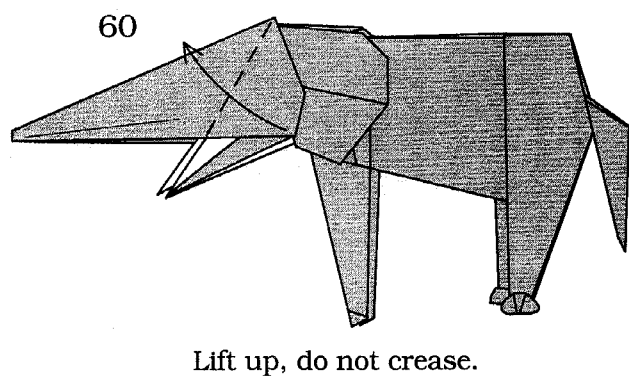
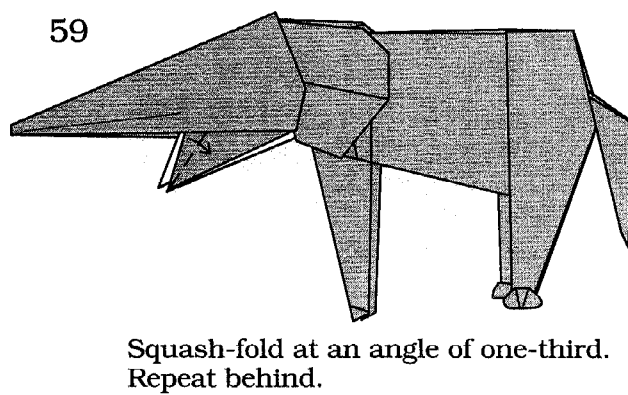
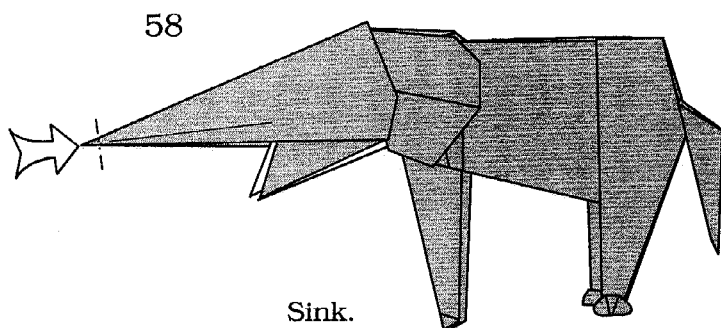


Curl the tusks up. Shape the trunk.
ears, legs, and back. Repeat behind.

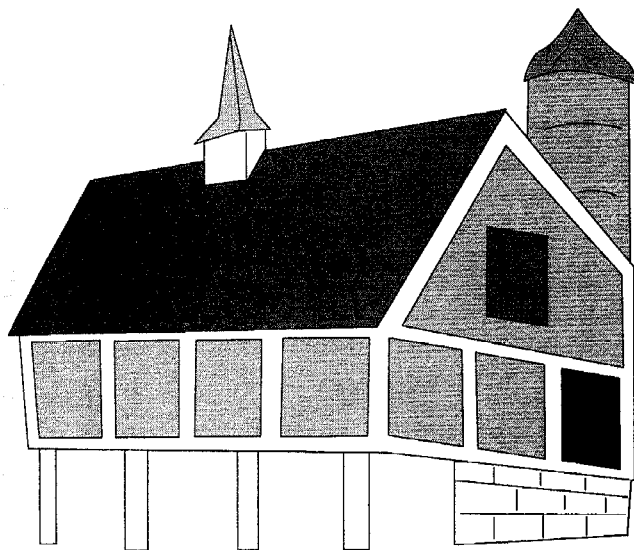
72



Elephant

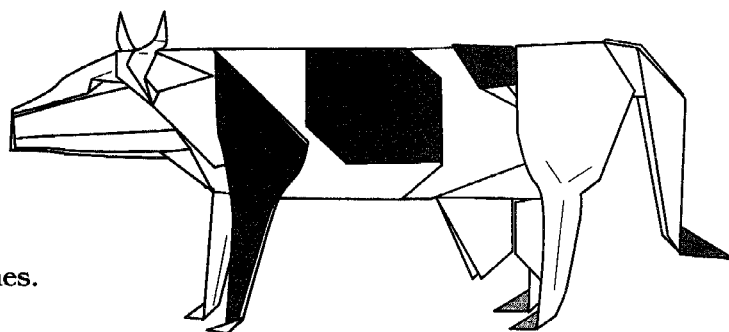


Holstein Cow

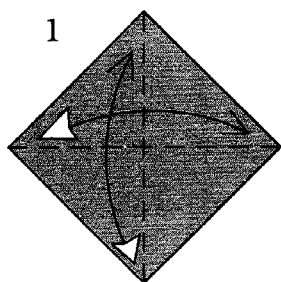


Ode to a Holstein Cow

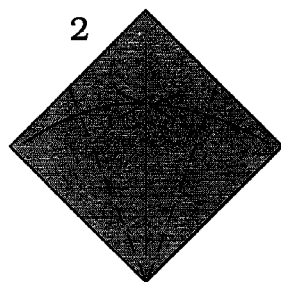
I think bovines are very fine:
They dot the hills in northern climes.
Most often of the genus Bos,
Extremely gentle, rarely cross,
They consume large quantities of grass,
And pollute the air with methane gas.
There are many species that we can list:
From Jerseys and Guernseys to Brown Swiss.
Yet Holsteins are a breed apart—
Black and white, origami art.



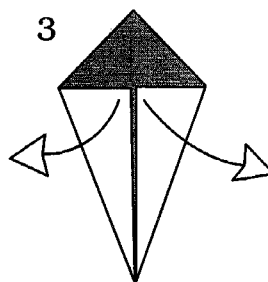
Jeremiah Helm



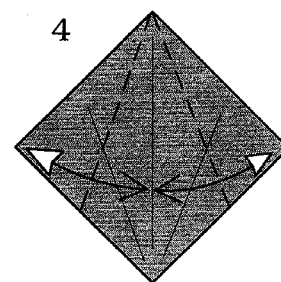
Fold and unfold.



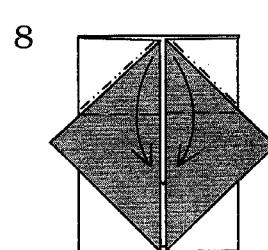
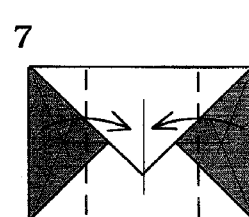
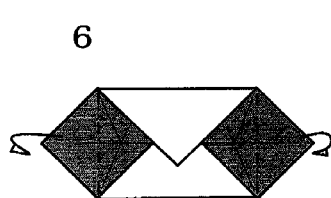
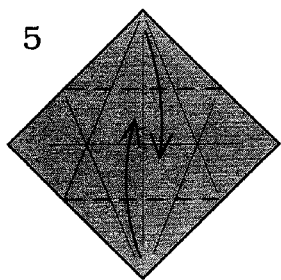
Kite-fold.



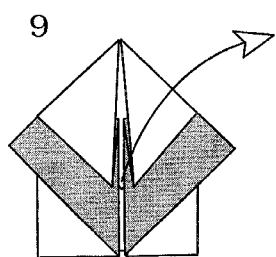
Unfold.



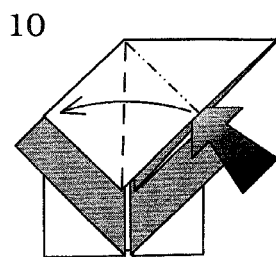
Fold and unfold.



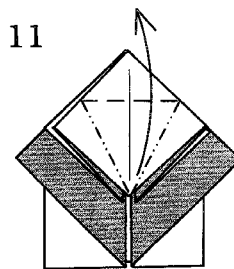
Squash folds.



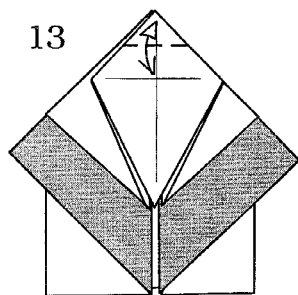
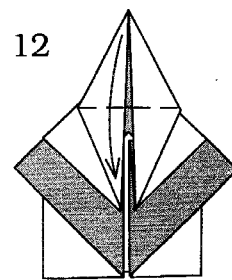
Pull out the inside paper.



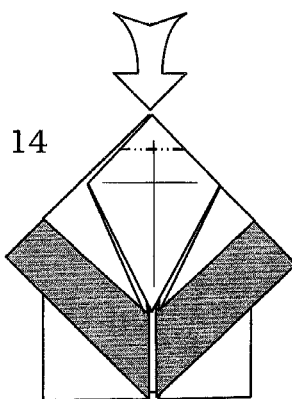
Squash-fold.



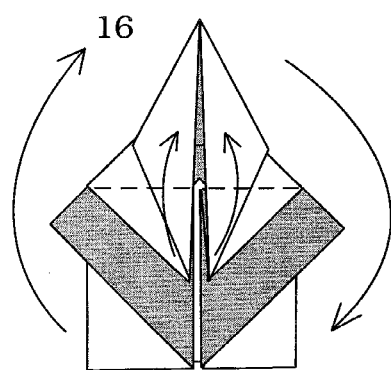
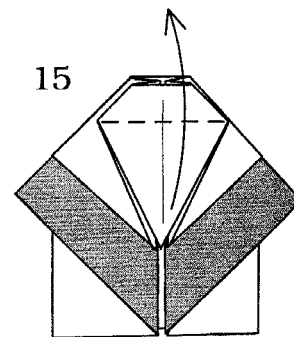
Petal-fold.



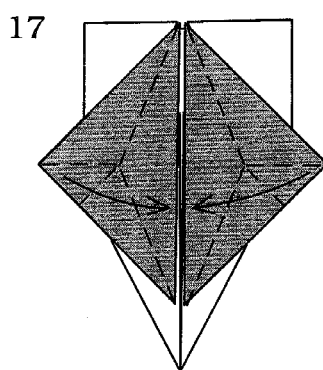
Fold and unfold.



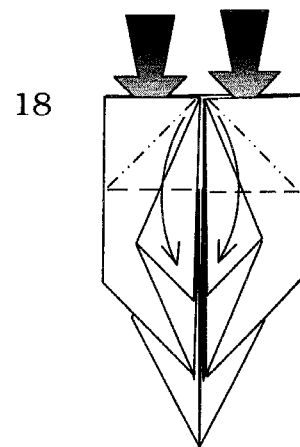
Sink.



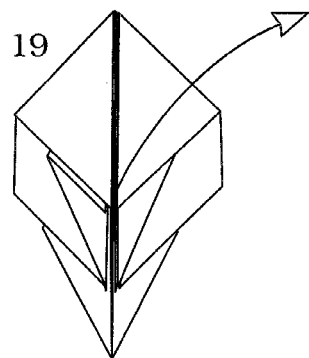
Rotate.



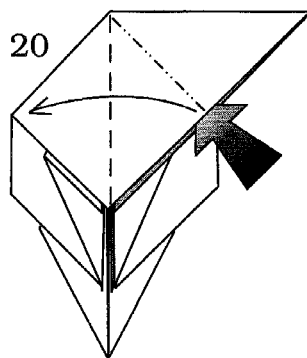
Rabbit ears.



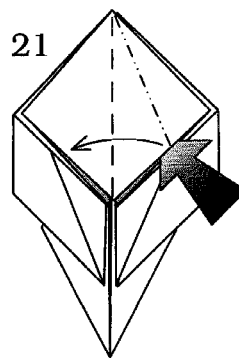
Reverse folds.



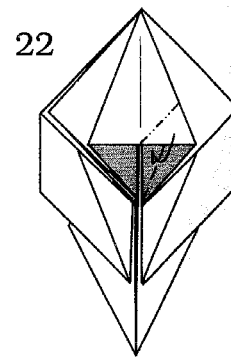
Pull out the inside paper.

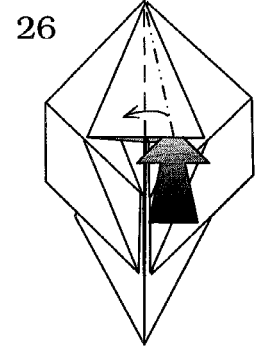
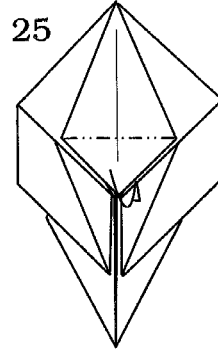
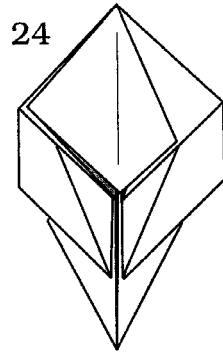
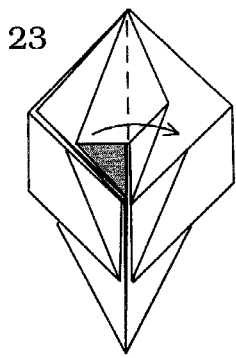


Squash-fold.



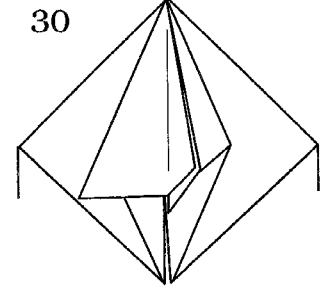
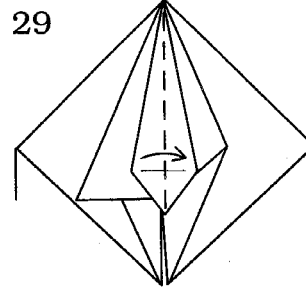
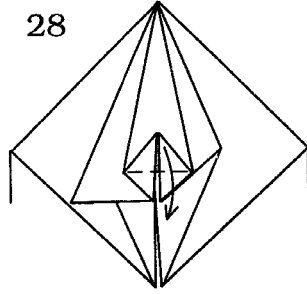
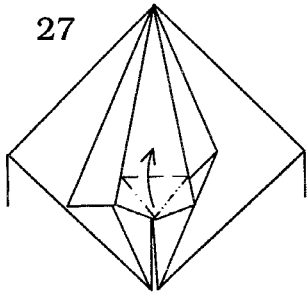
Squash-fold.





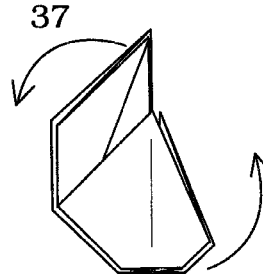
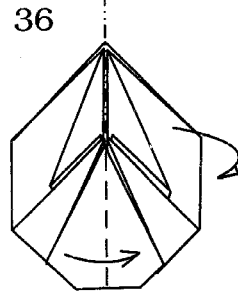
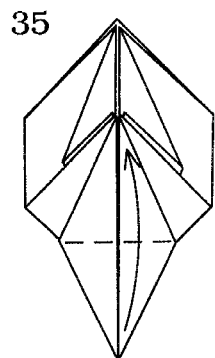
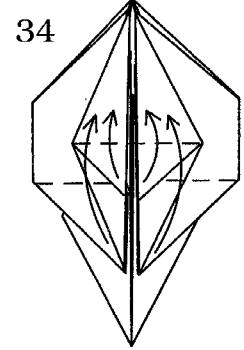
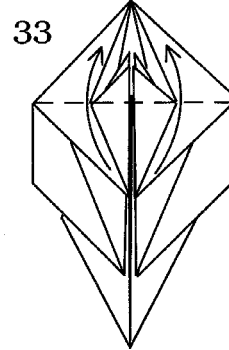
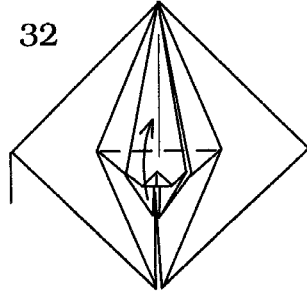
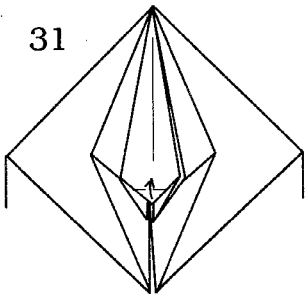
Repeat steps
21-23 on the left.

Squash-fold.

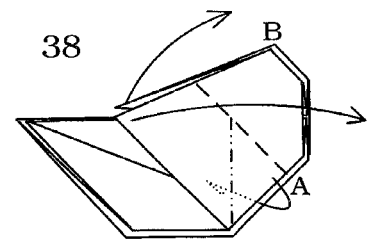


Petal-fold.

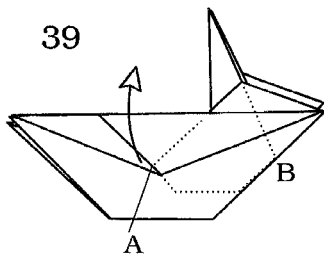
Repeat steps
26-29 on the left.



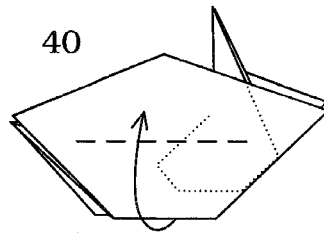
Rotate.



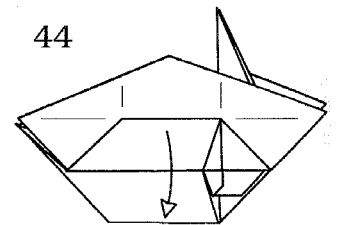
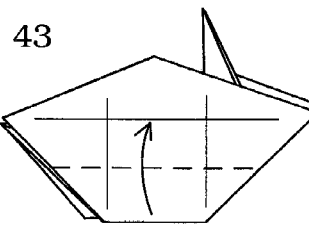
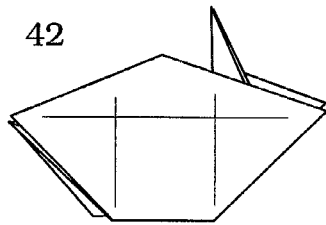
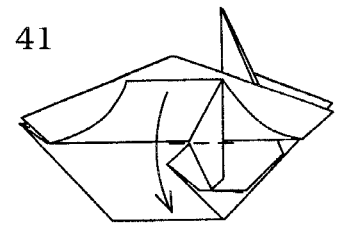
Fold A inside and to
the left, repeat behind
at the same time.



Repeat behind.

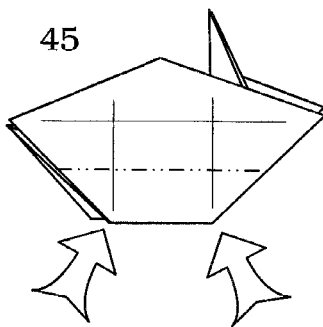


Lift up to squash-fold the udder. Do not crease the top layer.

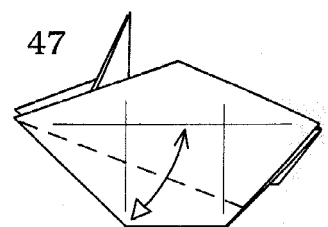
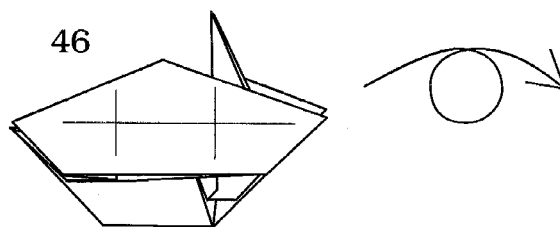


Repeat steps 40–41 behind.

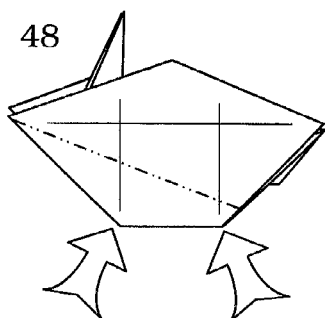
The folding is no longer symmetric. Be sure to orient your model along with the diagrams.



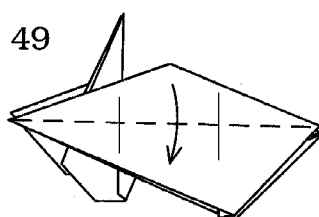
Sink triangularly.



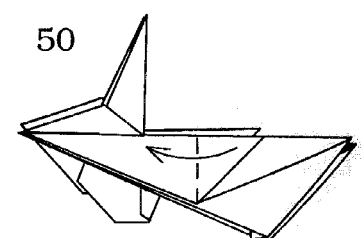
Fold and unfold.



Sink.

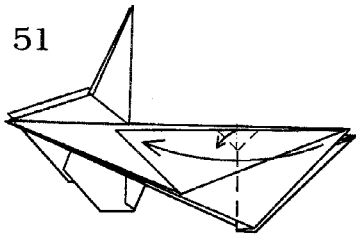


Repeat behind.

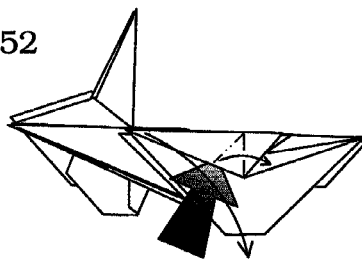


Repeat behind.

51

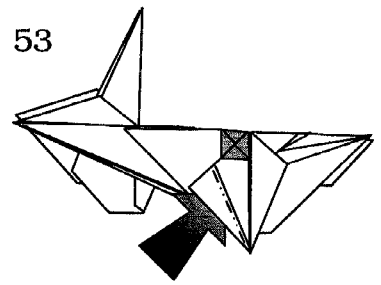


52



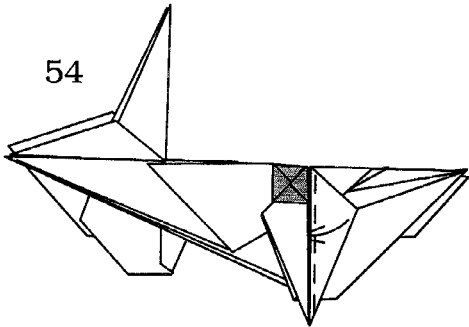
Squash-fold.

53



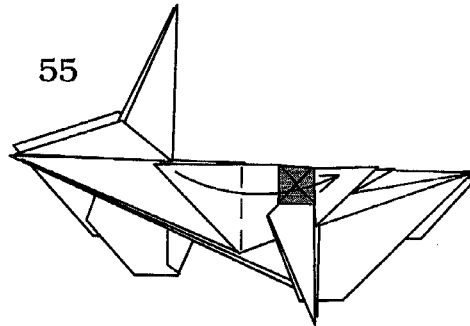
Reverse-fold.

54

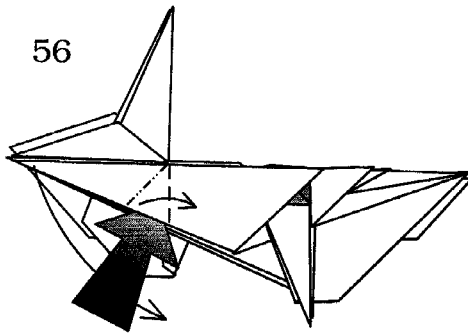


Tuck inside.

55

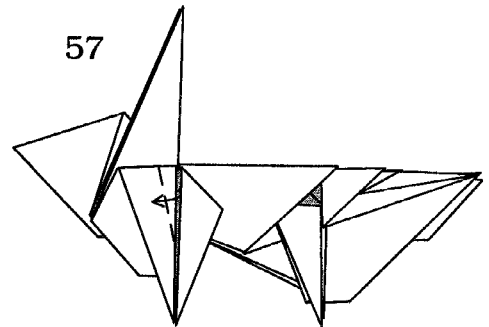


56



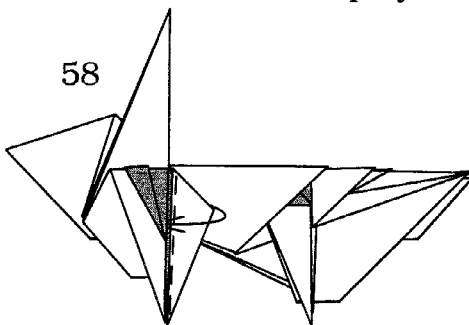
Place your finger under the top layer for this squash fold.

57



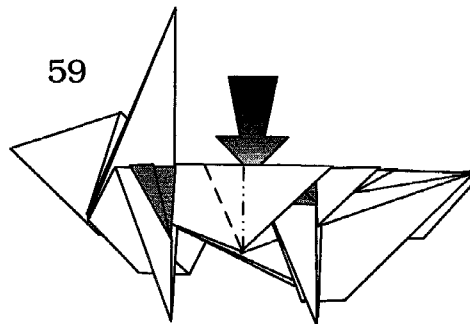
Open the model at the tail for this fold.

58



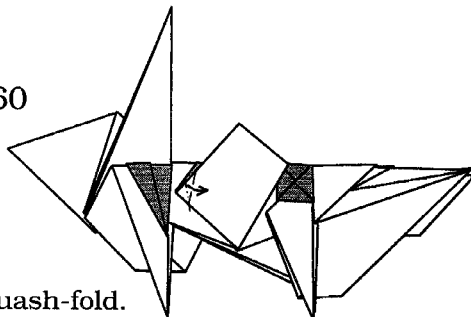
Tuck inside.

59



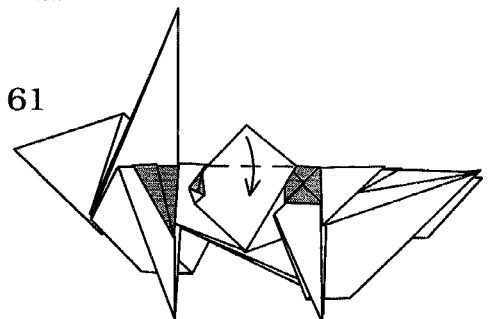
Squash-fold.

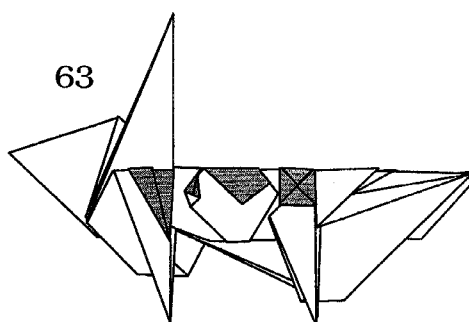
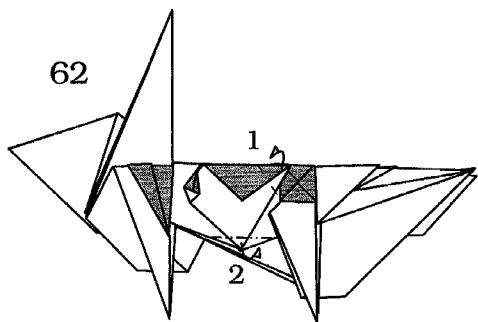
60



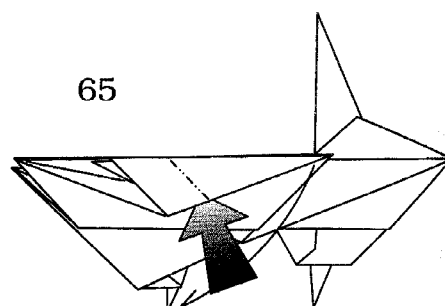
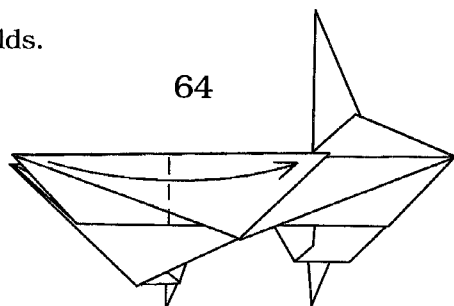
Squash-fold.

61

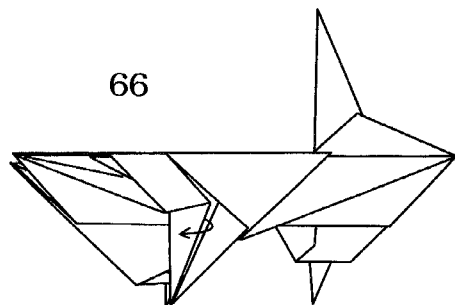




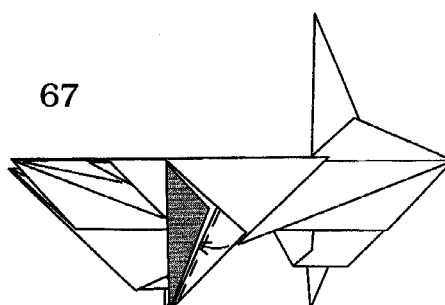
Mountain folds.



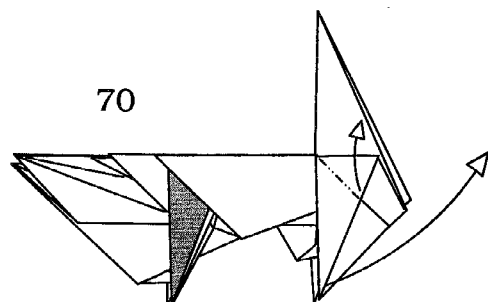
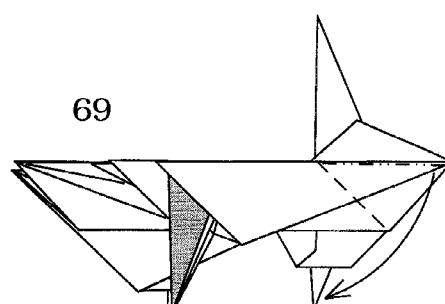
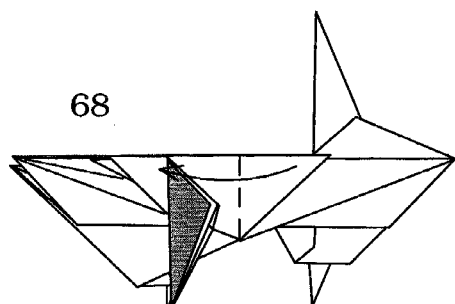
Reverse-fold.



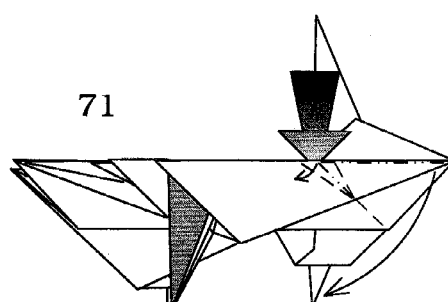
Fold the paper inside-out.



Tuck inside.

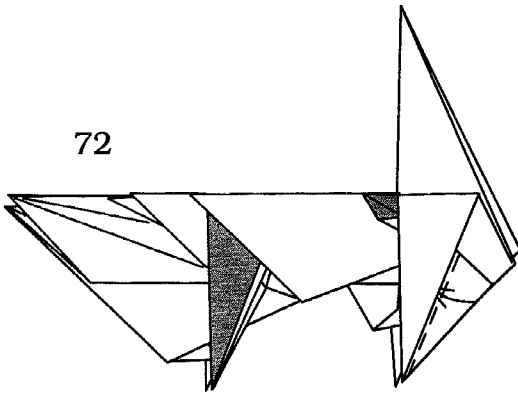


Unfold.



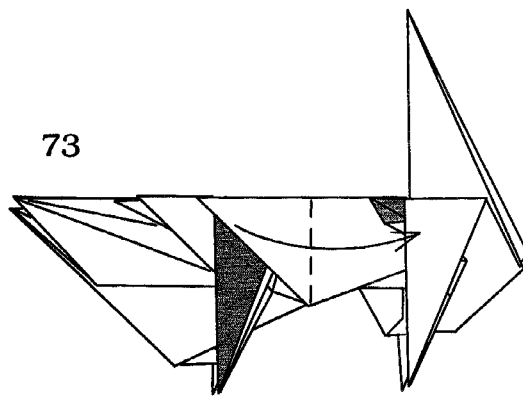
Form a spot.

72

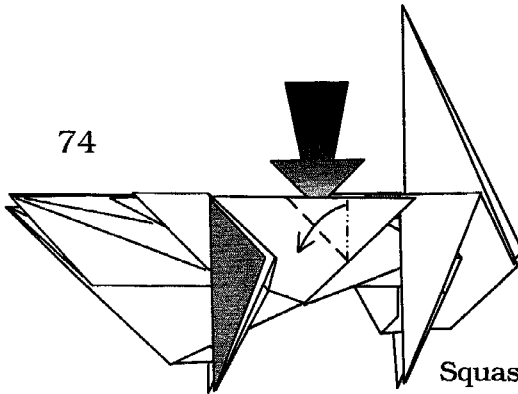


Tuck inside.

73

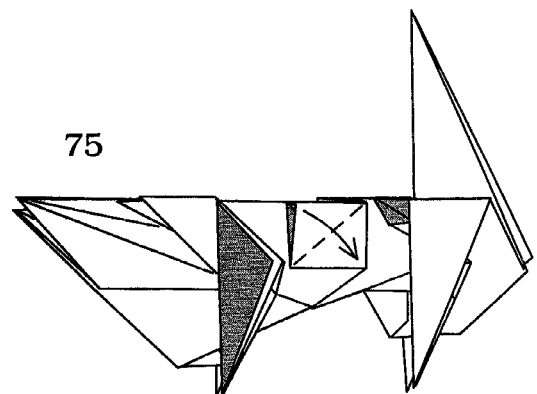


74

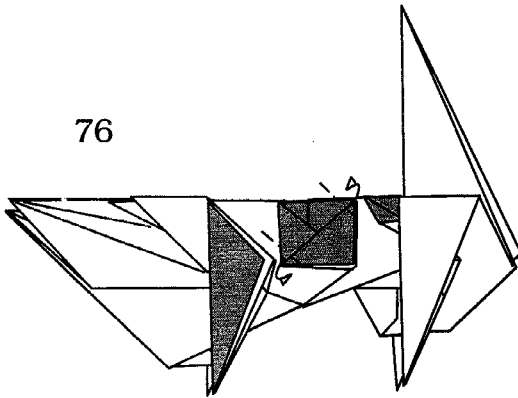


Squash-fold.

75

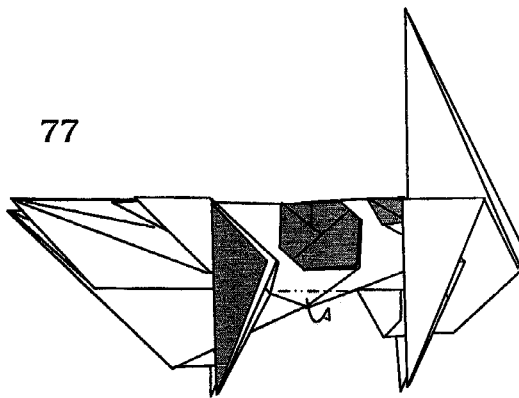


76

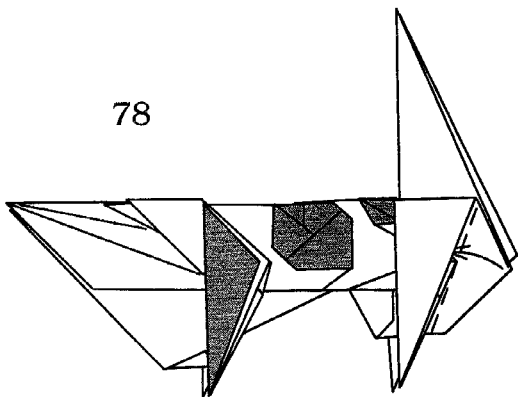


Mountain folds.

77

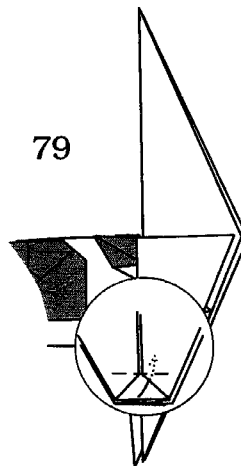


78



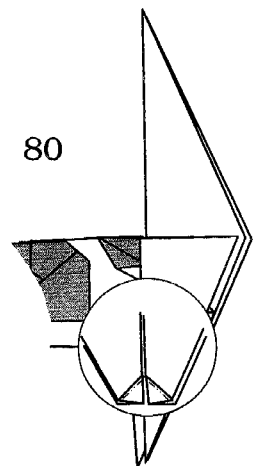
Fold behind the leg, not into it. Repeat behind.

79

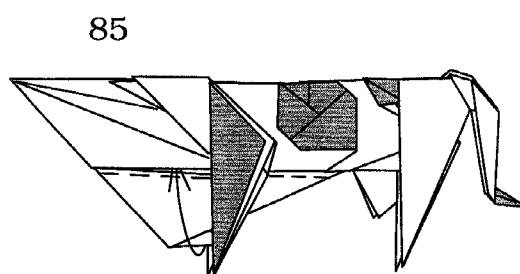
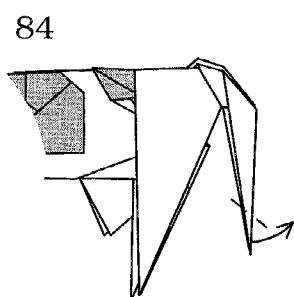
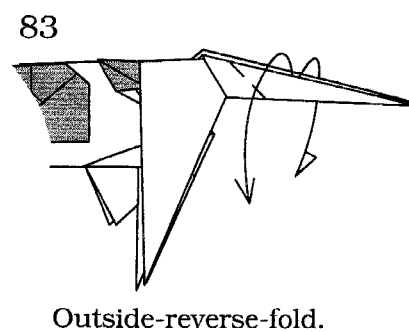
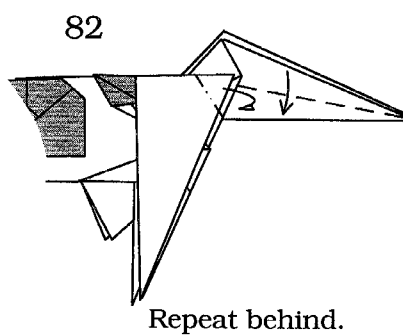
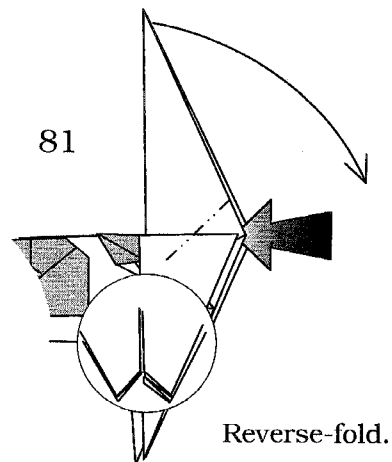


Reverse-fold, repeat behind.

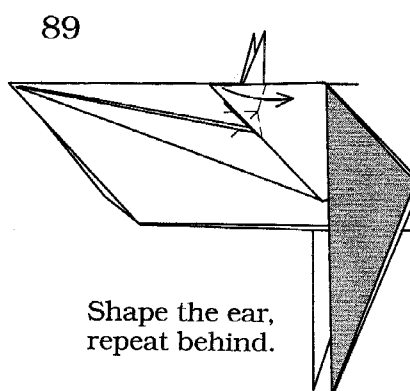
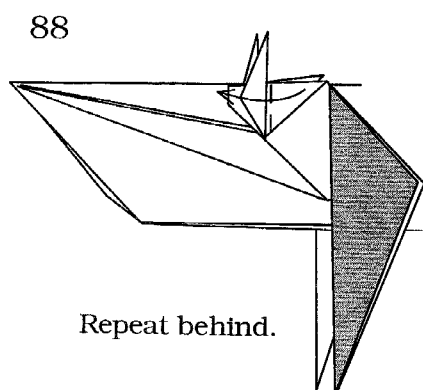
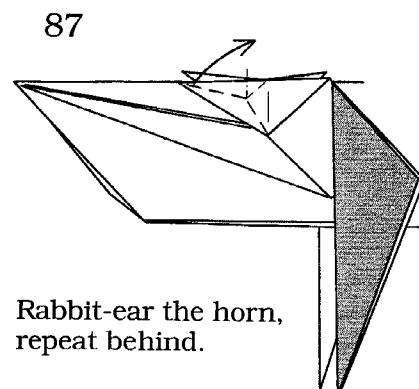
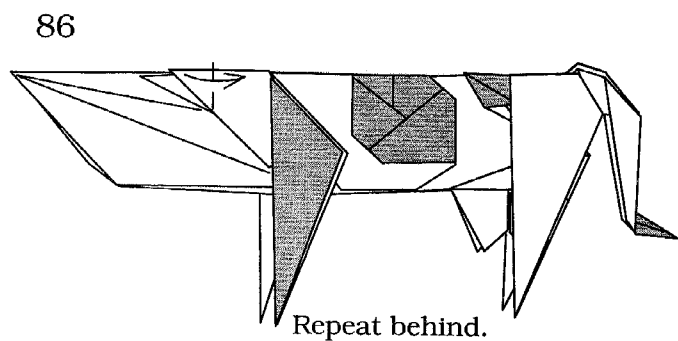
80

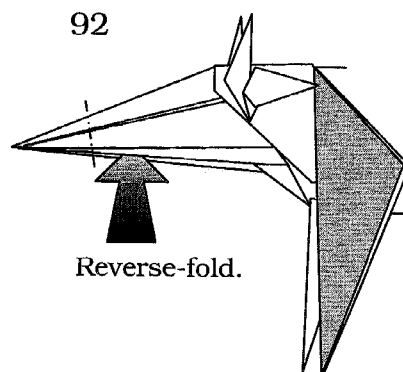
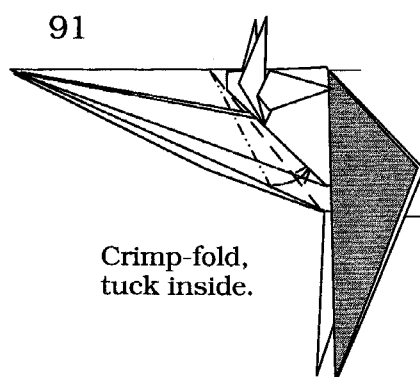
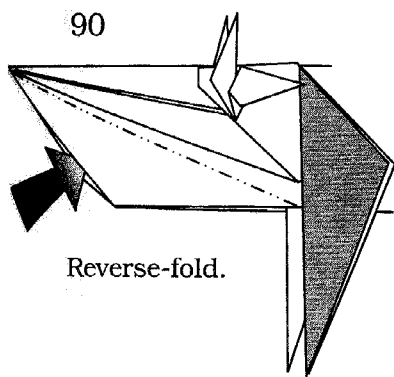


Reverse folds.

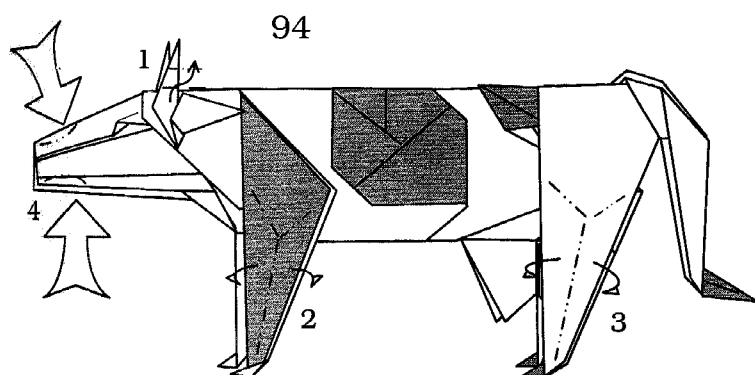
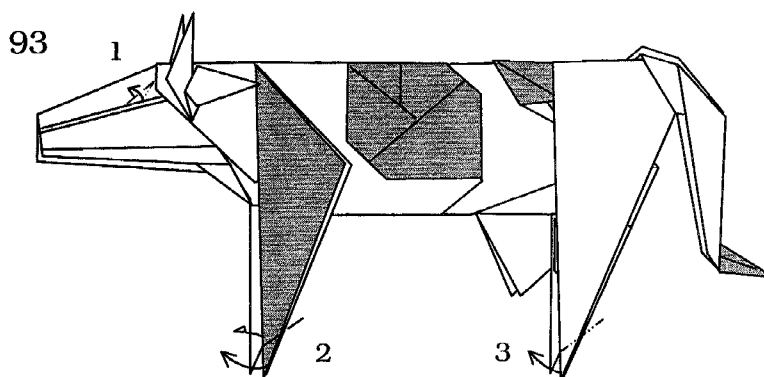


Tuck inside to lock the body.

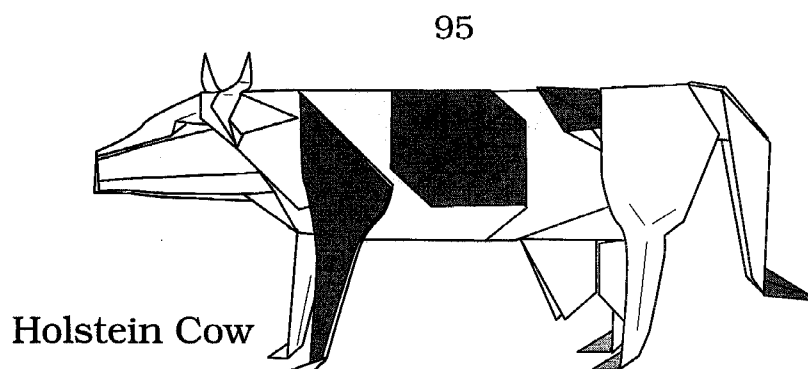


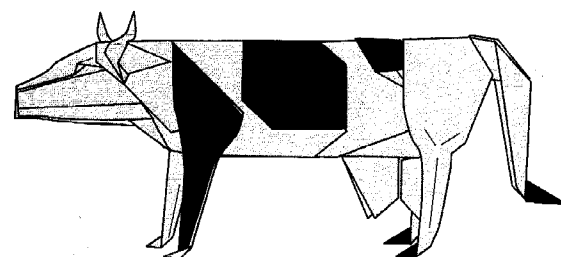
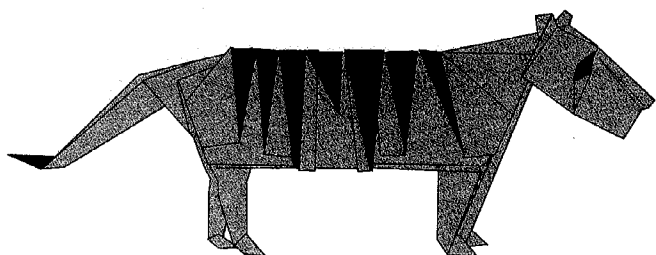


1. Shape the eyes, if possible.
2. Outside-reverse-fold only one leg.
3. Inside-reverse-fold the remaining three legs.



1. Shape the horns.
 - 2 & 3. Thin the legs.
 4. Shape the head.
- Repeat behind.





Origami Inside-Out

John Montroll

Most traditional origami concentrates only on form. Now John Montroll, a world renowned master of origami, has added new realism to his folding by integrating color patterns into this exciting collection of 25 new projects.

Each creation in this book is crafted from a single sheet of standard origami paper, white on one side and colored on the other. The papers are twisted, folded, bent almost magically to make animals and objects accurate not only in shape but also in pattern. Mr. Montroll's raccoon wears a handsome mask, the ferocious tiger has a full set of stripes, and the technicolor Martians would grace a science-fiction movie. Besides animal projects, there are directions for elegant, multicolored geometric shapes and for a full-sized chess board, accompanied, of course, by a complete set of pieces.

The instructions for each project include dozens of step-by-step, computer generated illustrations. With this book and a few packets of paper, everyone from beginner to expert can create beautiful works of origami art.

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