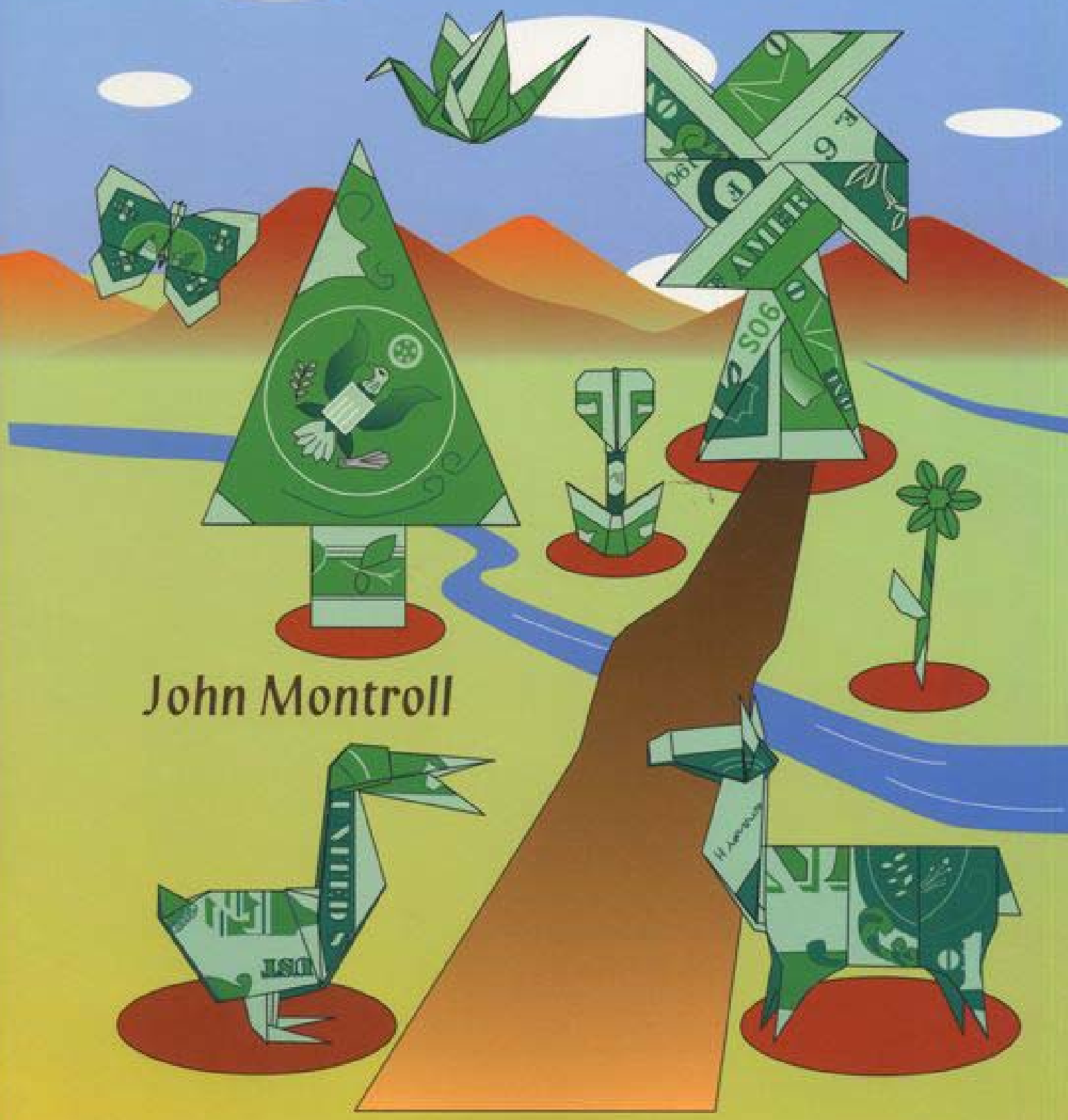


Dollar Bill Origami



John Montroll

Dollar Bill Origami

Over 100 Projects to Make with a Dollar Bill

By Robert Lang

Illustrations by Robert Lang

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2008

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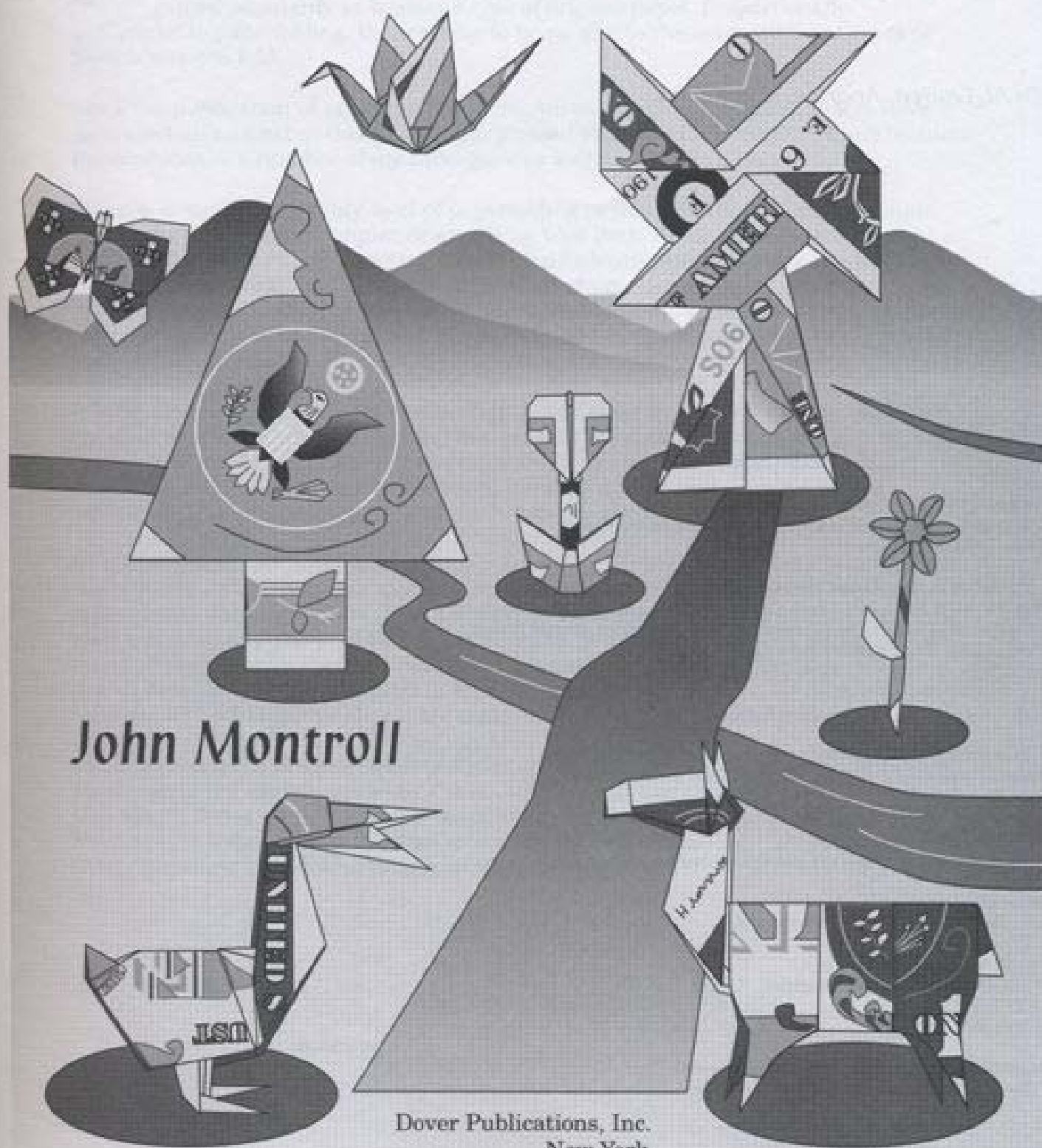
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Dollar Bill Origami



John Montroll

Dover Publications, Inc.
New York

Dollar Bill Origami

To Al, Lauren, Andrew, and Robert

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INTRODUCTION

For years, origami enthusiasts have used the dollar bill as the basis for many creations. From animals to flowers, bugs to trees, the dollar bill has steadily gained popularity as a unique type of origami paper. Proportionally well suited to paperfolding, there seems to be no end to the many different types of models one can fold.

Since the publication of my book, *Dollar Bill Animals in Origami*, many folders have expressed an interest in this genre. I am pleased to present this sequel, which features the creations of a number of my colleagues as well as my own designs.

There is something for every level of paperfolding in this collection, from the simple boat by Sy Chen to the complex dragonfly by Won Park. Along the way you can fold a windmill (by Sy Chen), shirt with tie (by Stefan Delecat), tulip (by Mark Kennedy), eagle (by Wong Park), and armadillo (by Jim Cowling). There is even an African mask (by Matt Slayton) and some polyhedra. For those models designed by others, the name of the designer is listed at the beginning of the instructions; uncredited designs are my own.

It is up to you which side of the dollar bill should show in finished models. Although the diagrams use white and shading to represent the dollar bill's two sides, you may choose which side of the bill you wish to show; generally, the diagrams will show predominantly the shaded side. However, the final drawings of each model are completely shaded and do not distinguish between the two sides.

Of course you do not need to fold from dollar bills. Any paper can easily be cut to form the proportions of a bill. One method, shown on page 10, shows an easy way to approximate the proportions given a square or rectangle. The illustrations conform to the internationally accepted Randlett-Yoshizawa conventions. Origami paper can be found in many hobby shops or purchased by mail from OrigamiUSA, 15 West 77th Street, New York, NY 10024-5192 or from Dover Publications, Inc., 31 East 2nd Street, Mineola, NY 11501. Large sheets are easier to use than small ones.

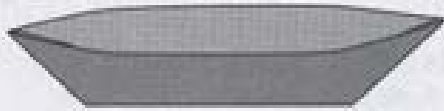
I wish to thank the origami community for encouraging me to write this book. Special thanks go to the contributors—Sy Chen, Jim Cowling, Stefan Delecat, Peter Farina, Gay Merrill Gross, Stephen Hecht, Mark Kennedy, Robert J. Lang, Won Park, Matt Slayton, and Mike Thomas. Thanks to my editor Charley Montroll. Of course I also thank the many folders who proofread the diagrams.

John Montroll

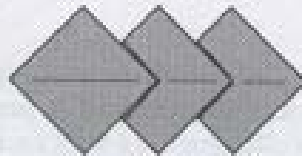
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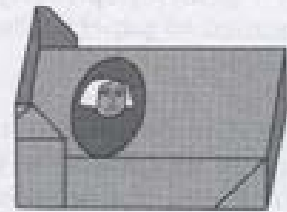
★ Simple
 ★★ Intermediate
 ★★★ Complex



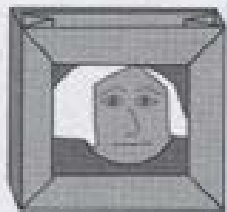
Boat
★
page 11



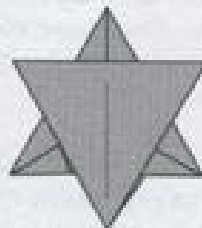
Three Diamonds
★
page 13



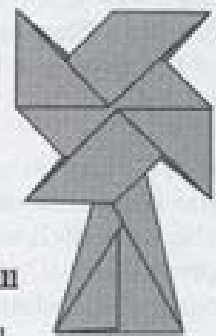
George Washington Slept Here
★
page 15



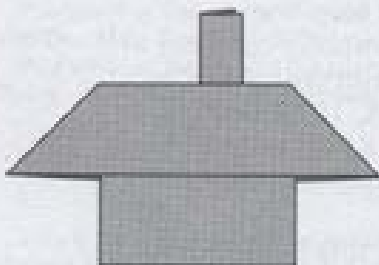
George Washington Framed
★★
page 17



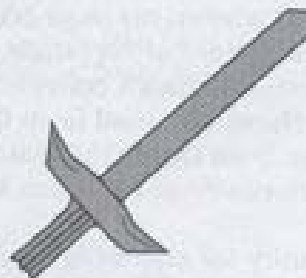
Star of David
★★
page 19



Windmill
★★
page 21



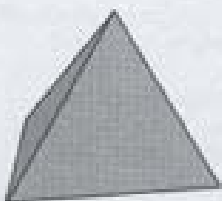
House with Chimney
★★
page 24



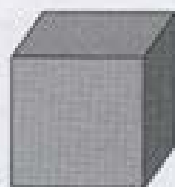
Sword
★★
page 27



"One-Way" Arrow
★★
page 30



Tetrahedron
★★
page 34



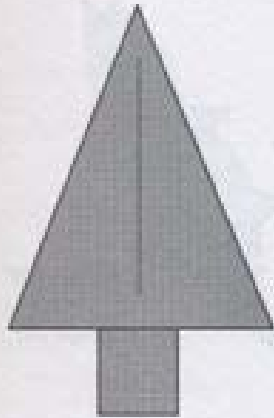
Cube
★★
page 36



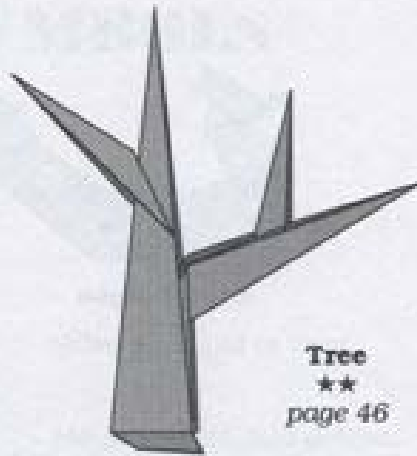
Diamond
★★
page 39



Tulip
★★
page 42



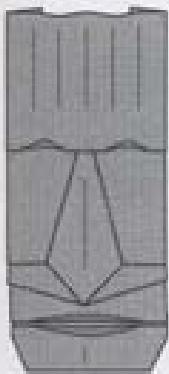
Evergreen
★★
page 49



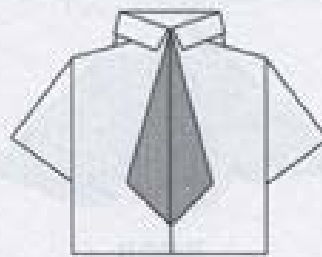
Tree
★★
page 46



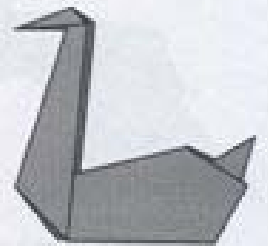
Flower
★★★
page 48



African Mask
★★
page 53



Shirt with Tie
★★
page 56



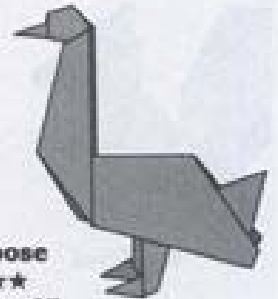
Swan
★
page 60



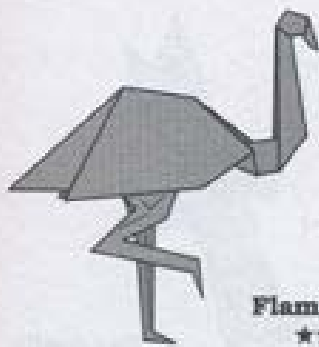
Crane
★★
page 62



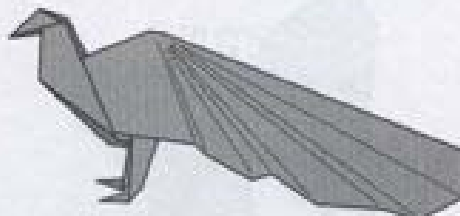
Vulture
★★
page 64



Goose
★★
page 67



Flamingo
★★
page 70



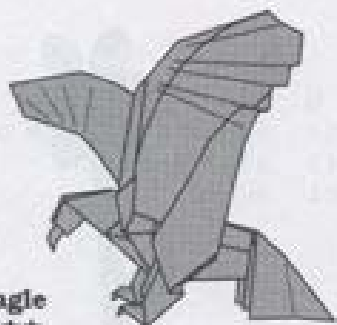
Peacock
★★
page 73



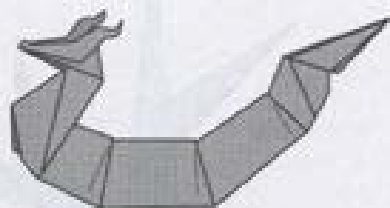
Pelican
★★
page 76

More →

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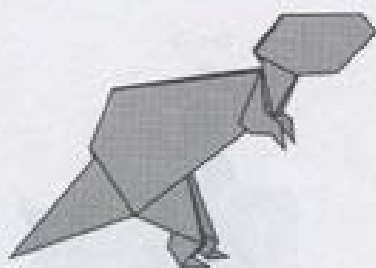
Eagle
★★★
page 79



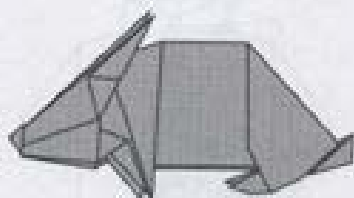
Asian Dragon
★★
page 83



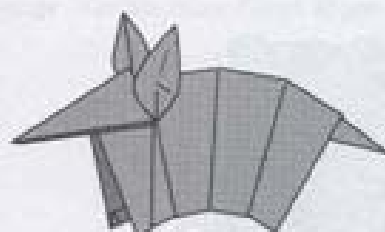
Alligator
★★
page 85



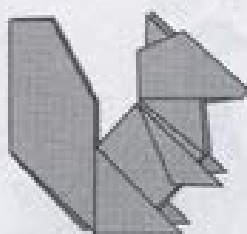
Tyrannosaurus
★★
page 88



Rabbit
★★
page 91



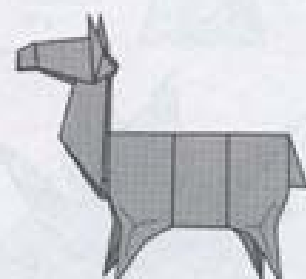
Armadillo
★★
page 93



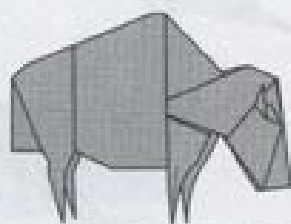
Squirrel
★★
page 95



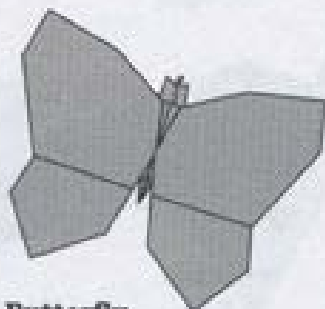
Armadillo
★★★
page 98



Llama
★★★
page 102



Bison
★★★
page 106



Butterfly
★★★
page 110



Dragonfly
★★★
page 114

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.

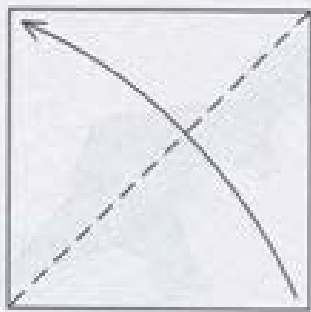


Place your finger between these layers.

DOLLAR BILLS FROM A SQUARE

The dollar bill has dimensions of approximately 2.59 inches by 6.094 inches. This ratio is 1 by 2.35. There are two simple, approximate methods of cutting any square or rectangle to have the proportions of a dollar bill. One is to use the dimensions 3 by 7 (1 by 2.333). Another method is to create a rectangle with the diagonal at a 22.5° angle as shown here; the ratio for this method is approximately 1 by 2.414.

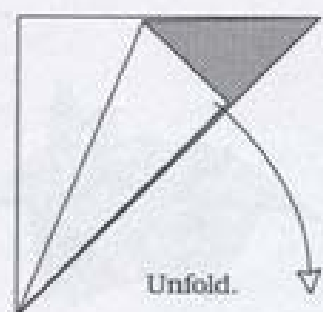
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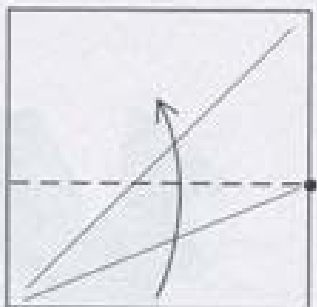
2



3



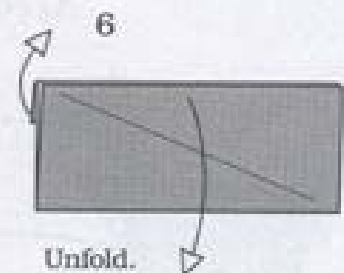
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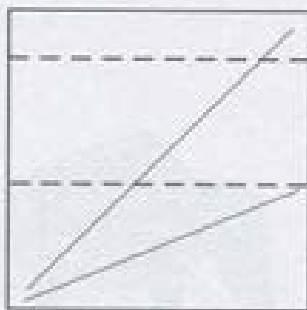
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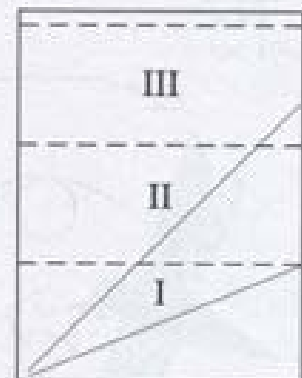
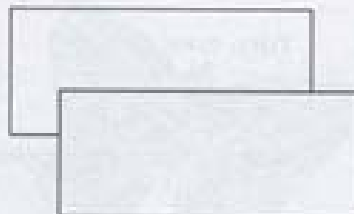
6



7



8



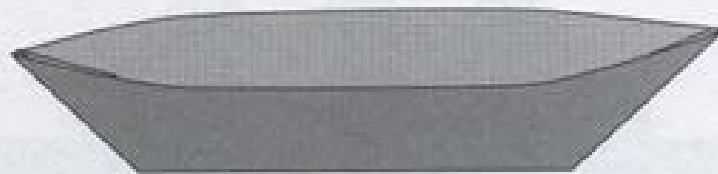
Cut along the lines to make two rectangles with the proportions of a dollar bill.

Two Dollar Bills

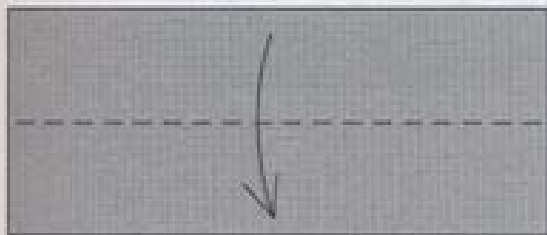
From a rectangle, such as a sheet of notebook paper, you can make three rectangles with the proportions of a dollar bill.

BOAT

Designed by Sy Chen



1



2



Repeat behind.

3



Fold and unfold. Do not repeat behind.

4



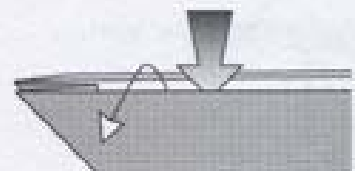
Reverse-fold.

5



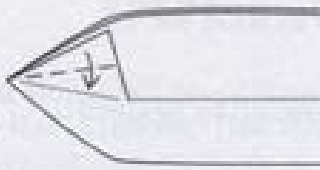
Tuck inside.

6



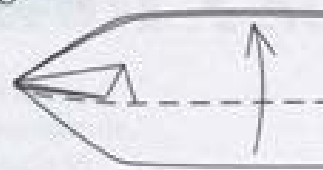
Open to view
the inside.

7



This is a view of the inside.

8



9

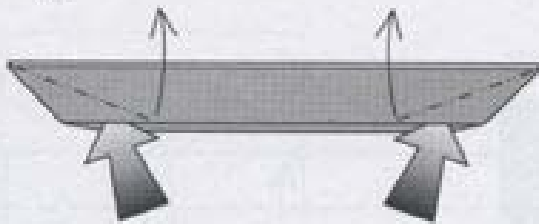


10



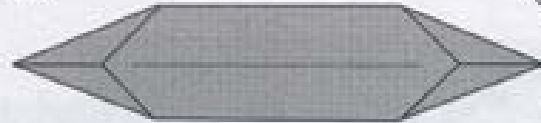
Repeat steps 3-8.

11

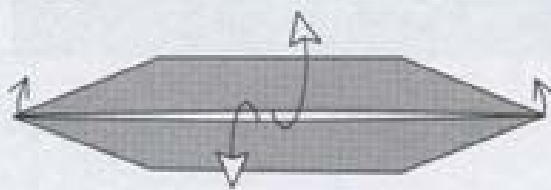


Open with squash folds on each side.

12

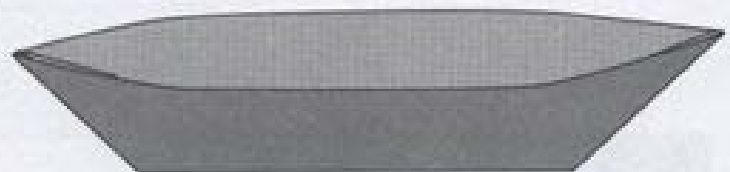


13



Open the boat.

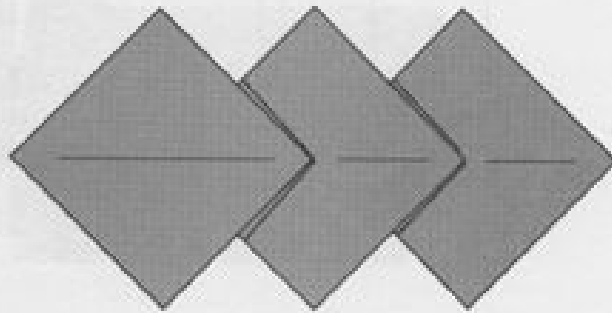
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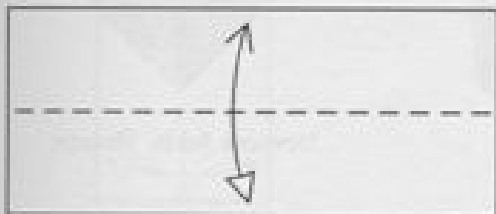
Boat

THREE DIAMONDS

Designed by Mike Thomas

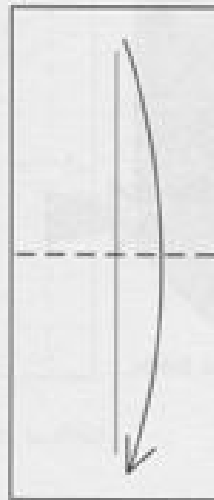


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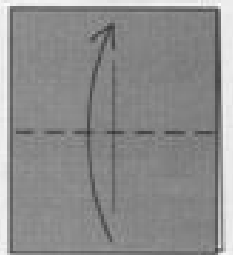


Fold and unfold. Rotate.

2

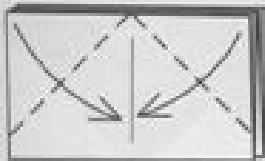


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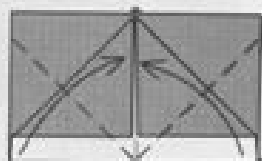
Repeat behind.

4



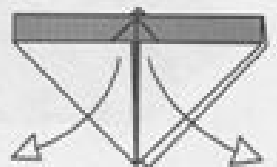
Repeat behind.

5



Repeat behind.

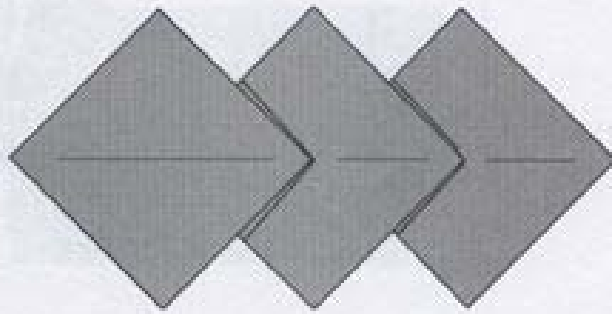
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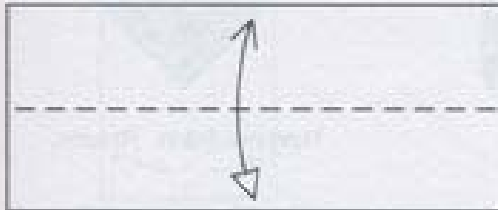
Unfold. Repeat behind.

THREE DIAMONDS

Designed by Mike Thomas

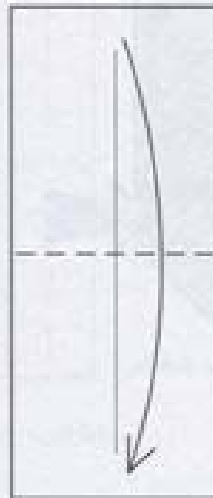


1

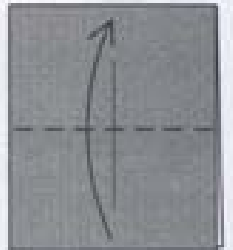


Fold and unfold. Rotate.

2

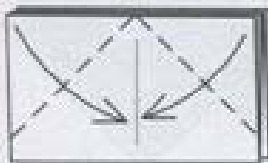


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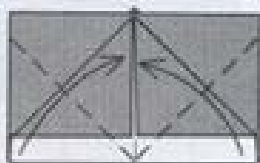
Repeat behind.

4



Repeat behind.

5

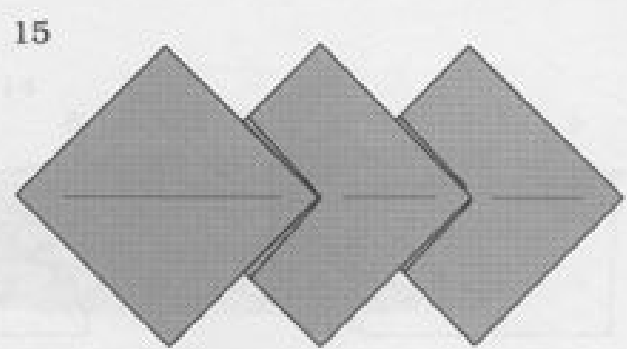
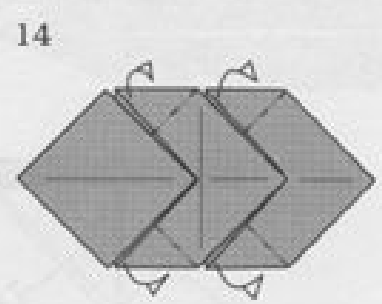
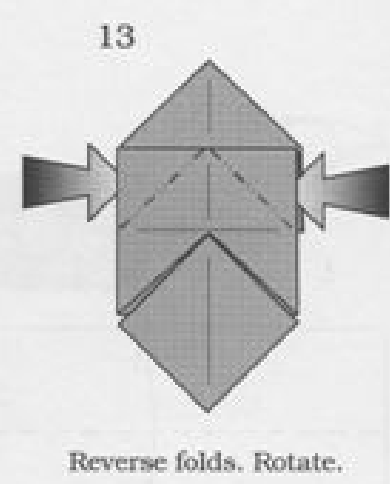
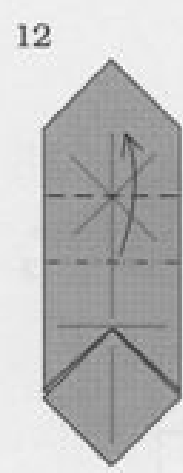
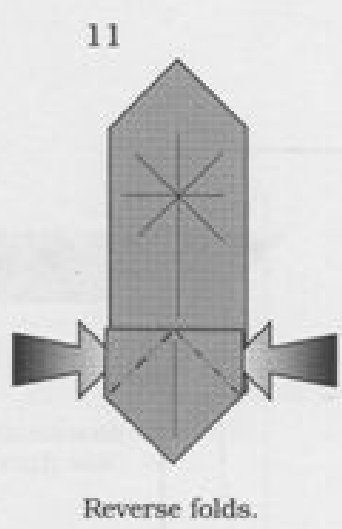
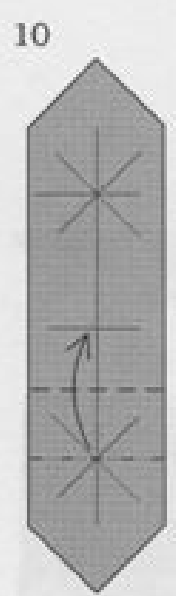
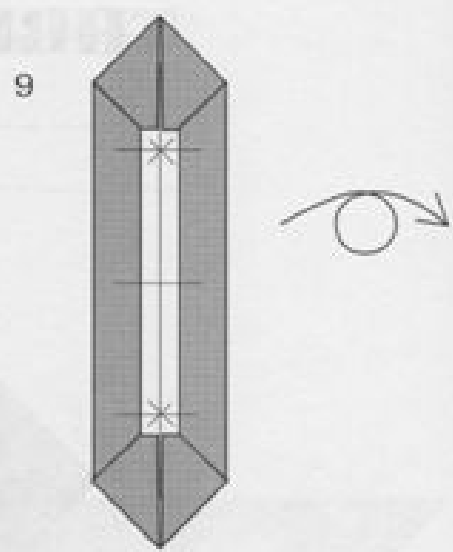
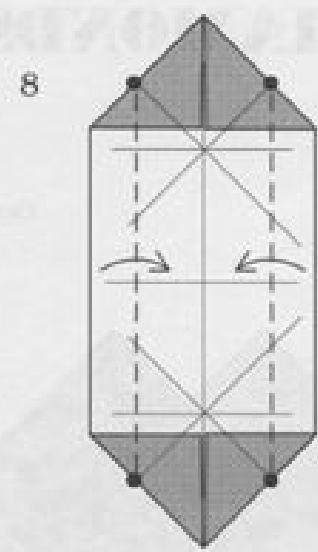
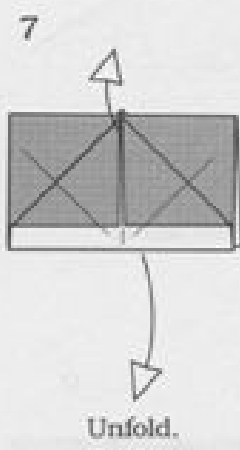


Repeat behind.

6



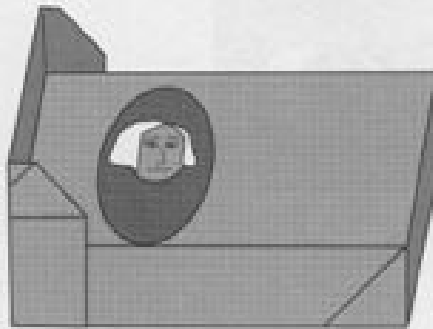
Unfold. Repeat behind.



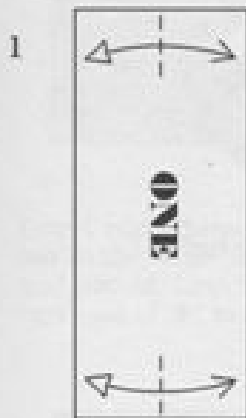
Three Diamonds

GEORGE WASHINGTON SLEPT HERE

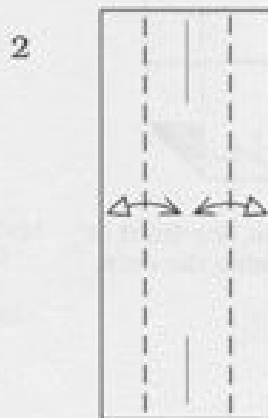
Designed by Gay Merrill Gross



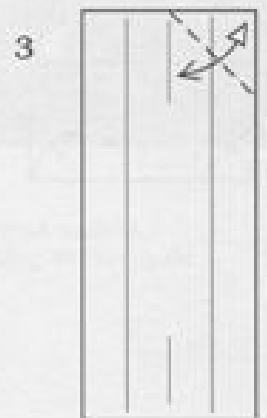
Begin with the
"ONE" on the front.



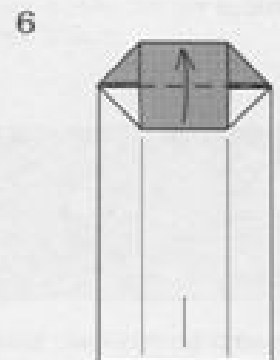
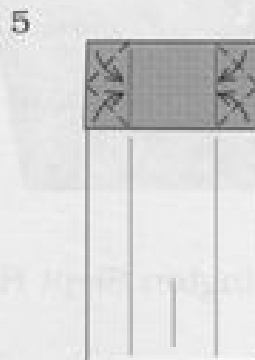
Fold and unfold,
creasing at the ends.

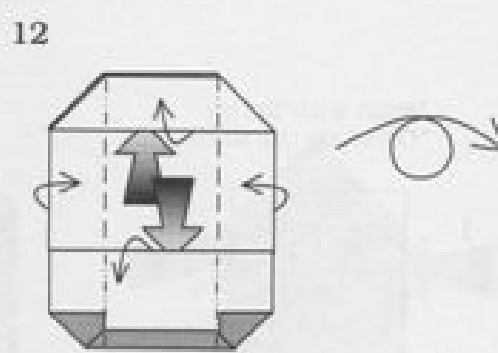
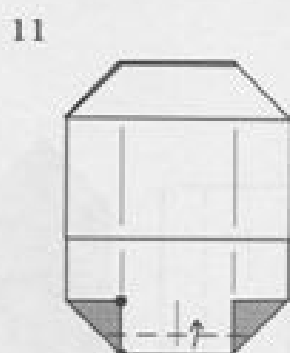
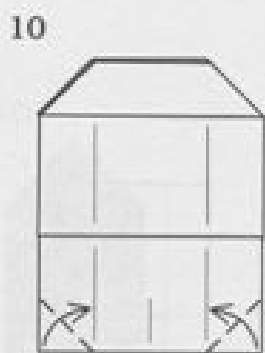
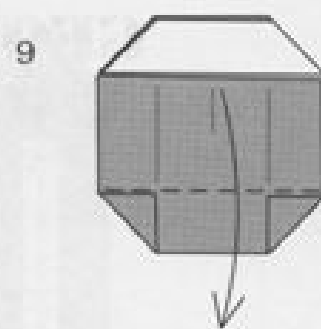
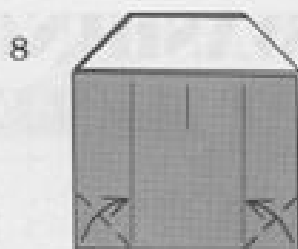
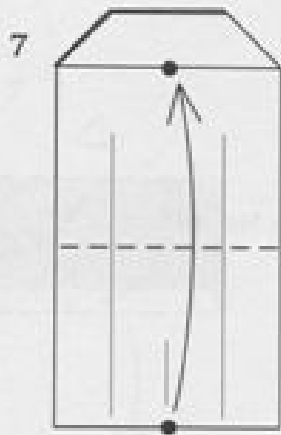


Fold and unfold.



Fold and unfold,
creasing lightly.

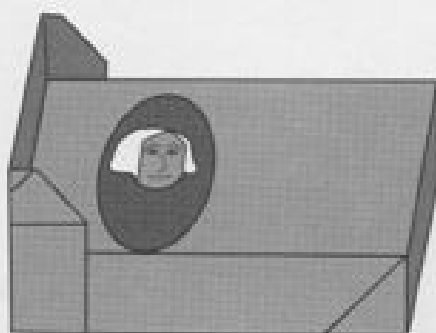




Fold up about one-third of the way between the dots.

Open to form the bed.

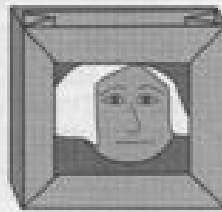
13



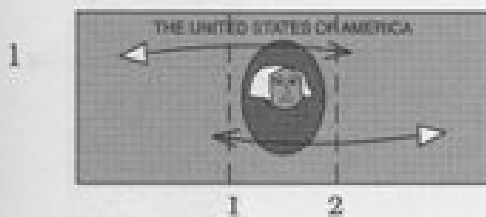
George Washington Slept Here

GEORGE WASHINGTON FRAMED

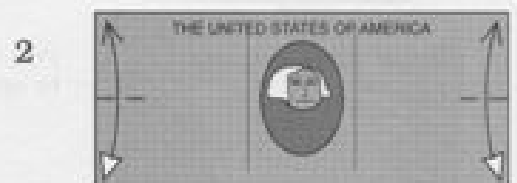
Designed by Gay Merrill Gross



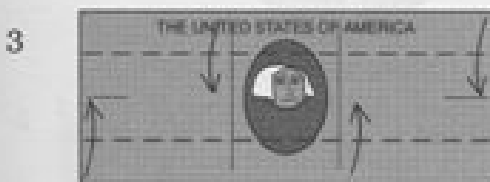
Begin with George Washington on the front.



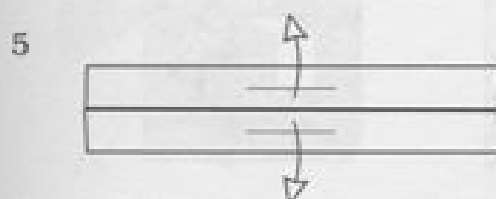
Line 1 runs through the end of the first bar in the letter "E" in UNITED. Fold and unfold. Line 2 runs through the very end of "F" in OF. Fold and unfold.



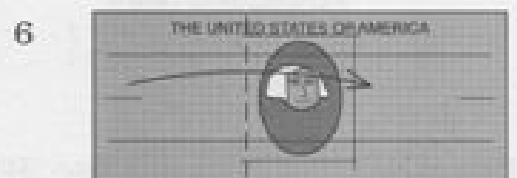
Fold and unfold, creating at the ends.



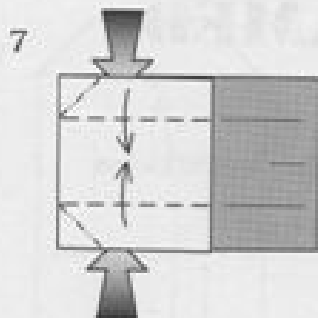
Fold and unfold the edges from the center to the top or bottom. Only crease at the center around Washington's face.



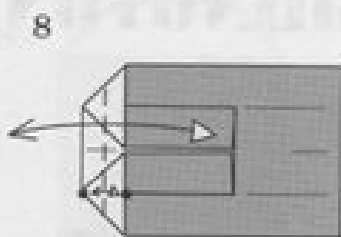
Unfold.



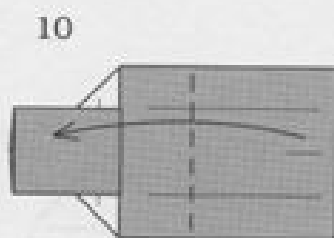
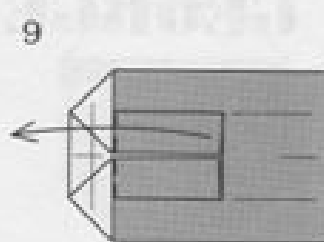
Fold along the existing crease.



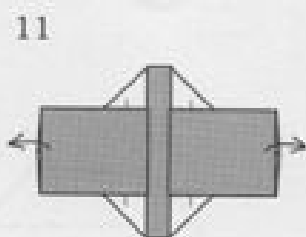
Squash folds.



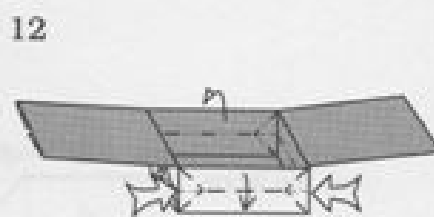
Fold to the left and unfold. Do not crease the bottom layer.



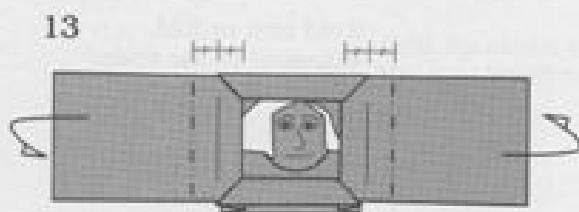
Repeat steps 6-9 on the other side.



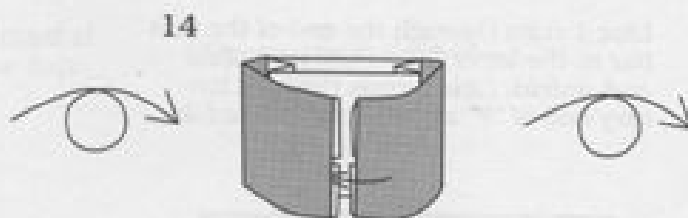
Pull the opposite flaps to open into a box.



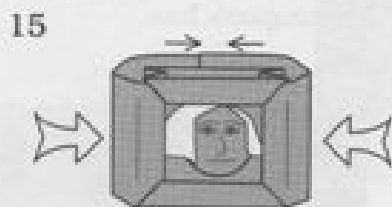
Collapse the box by refolding along existing creases.



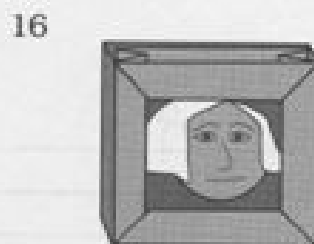
Note the width of the frame side.



Tuck inside.



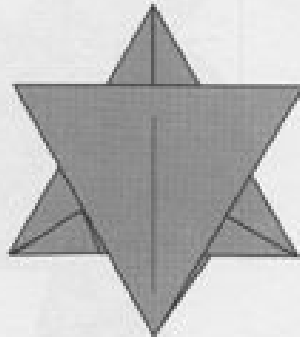
Push in both sides at the same time. With one finger, press Washington's portrait so that it touches the back of the frame.



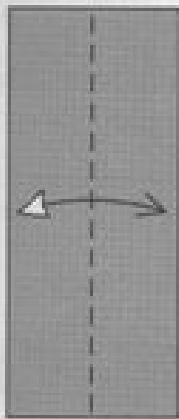
George Washington Framed

STAR OF DAVID

Designed by Sy Chen

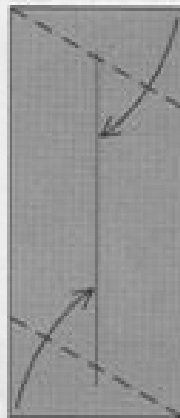


1



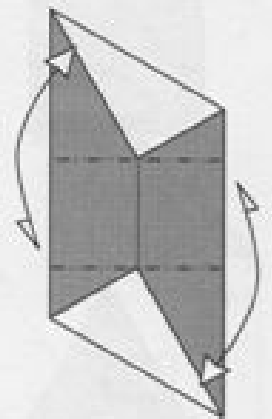
Fold and unfold.

2



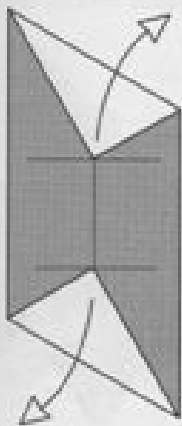
Fold to the center line.

3



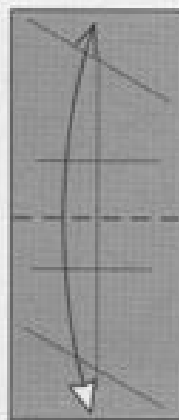
Fold and unfold.

4



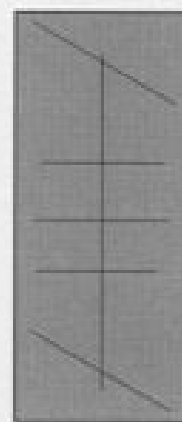
Unfold.

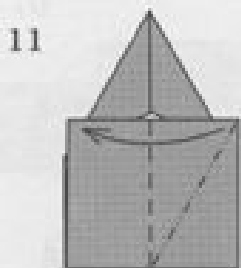
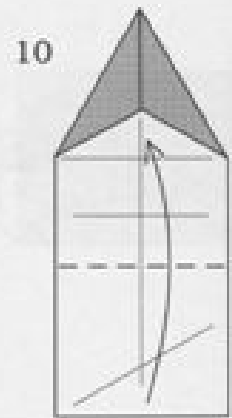
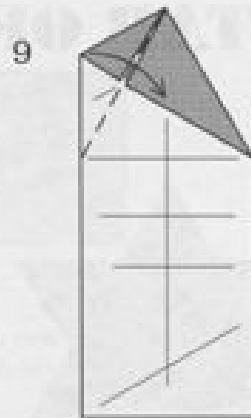
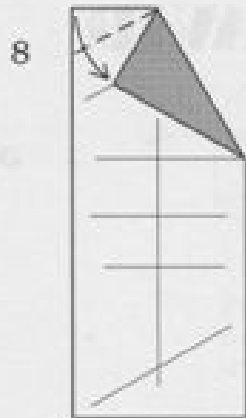
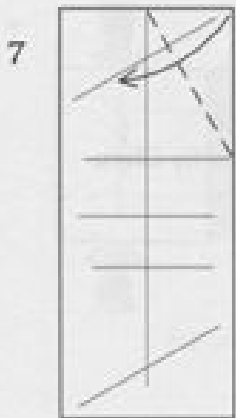
5



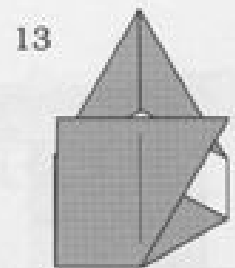
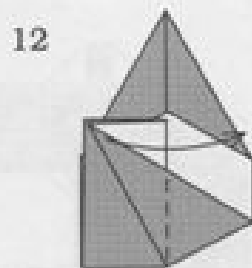
Fold in half and unfold.

6

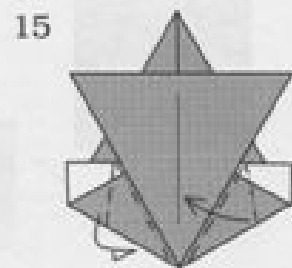
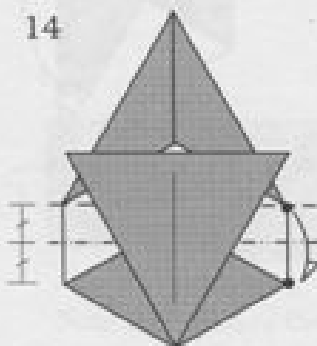




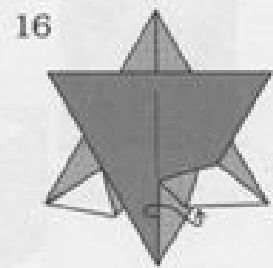
Squash-fold.



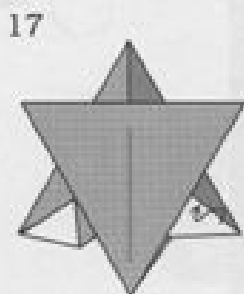
Repeat steps 11-12 on the other side.



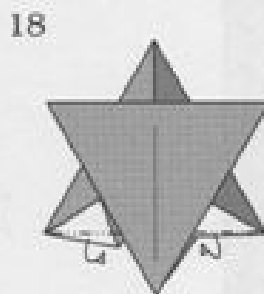
Squash folds.



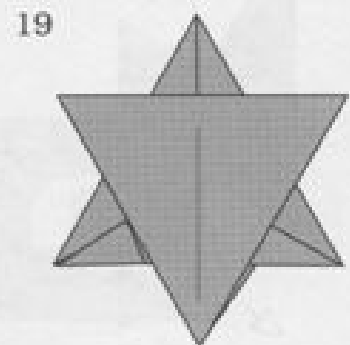
Bring the dark paper to the front.



Place the white paper on the right under the darker layer.



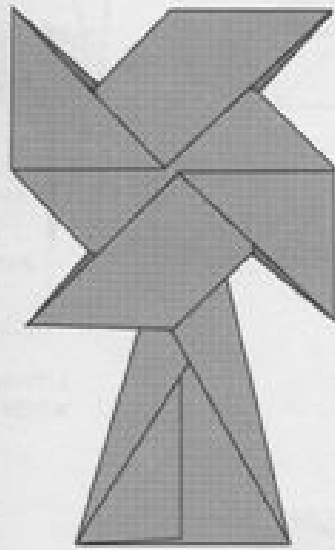
Tuck inside.



Star of David

WINDMILL

Designed by Sy Chen



1

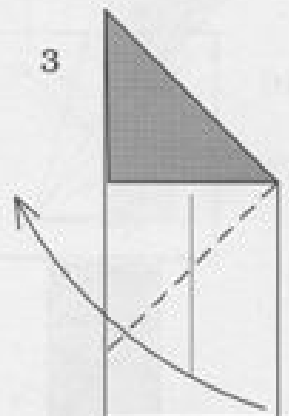


Fold and unfold.

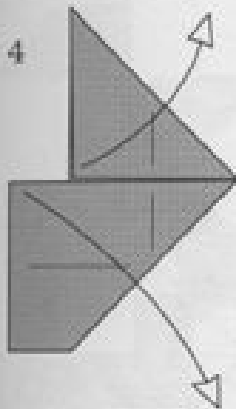
2



3



4



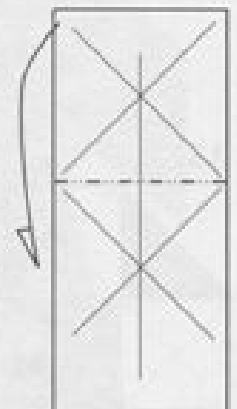
Unfold.

5

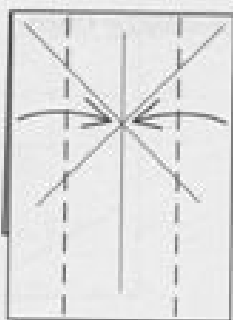


Fold and unfold.

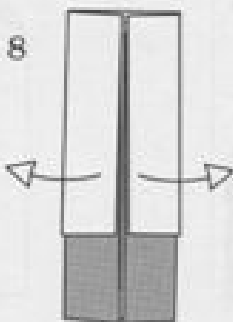
6



7

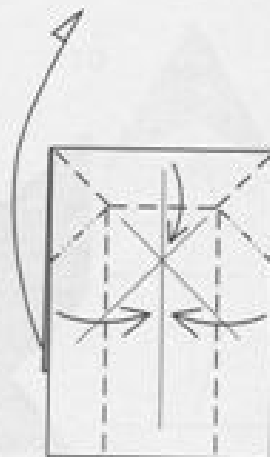


8



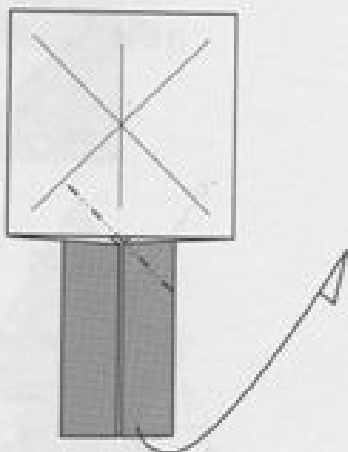
Unfold.

9

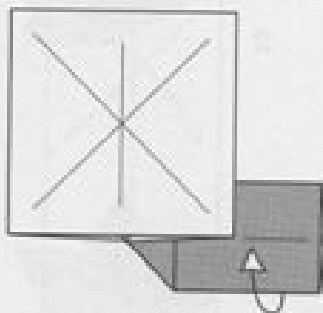


Lift up from behind while closing in front.

10

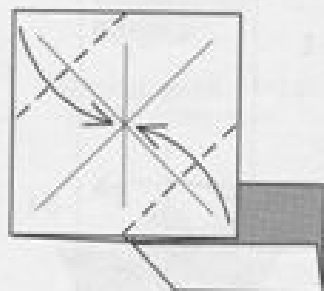


11

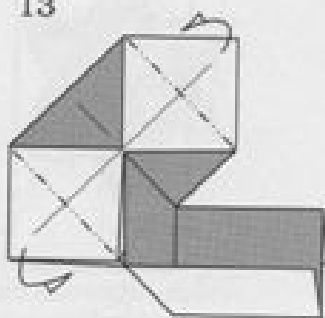


Wrap the paper around.

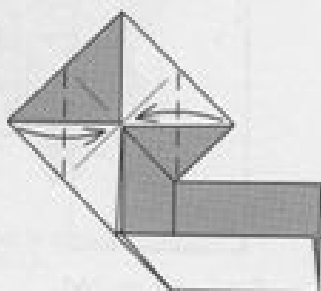
12



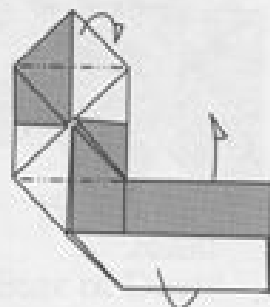
13

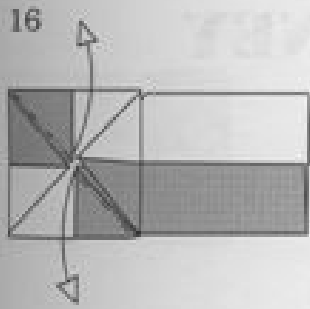


14

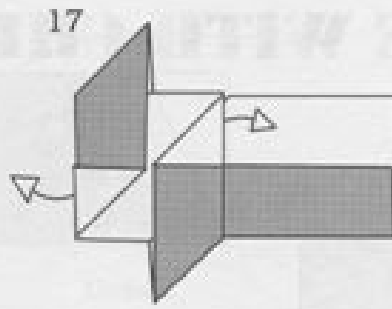


15

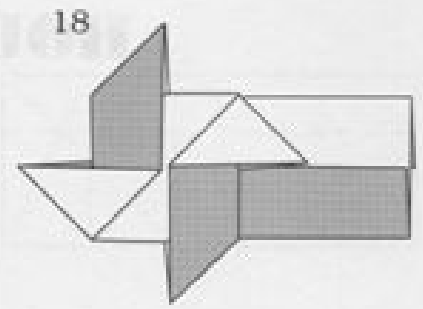




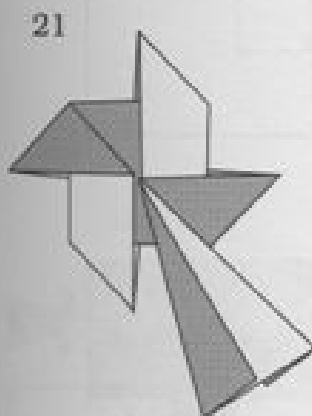
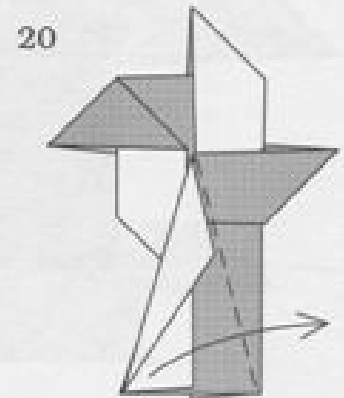
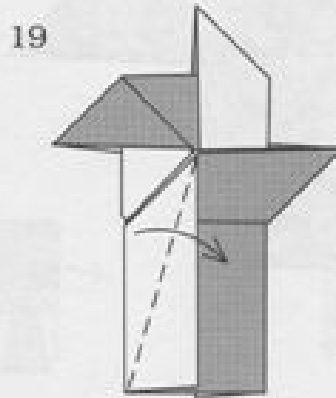
Pull out the hidden corners.



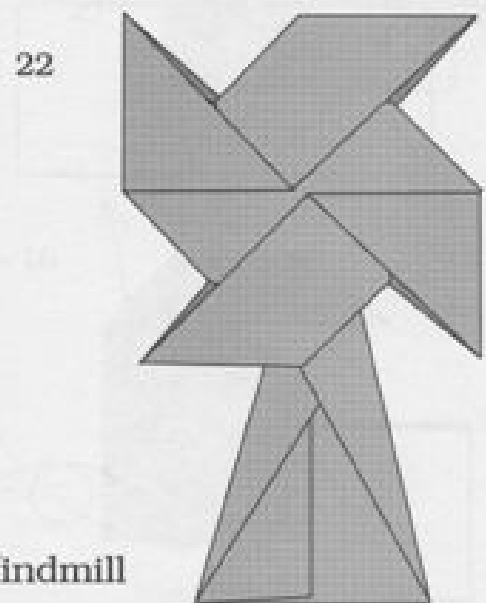
Pull out from behind.



Turn over and rotate.



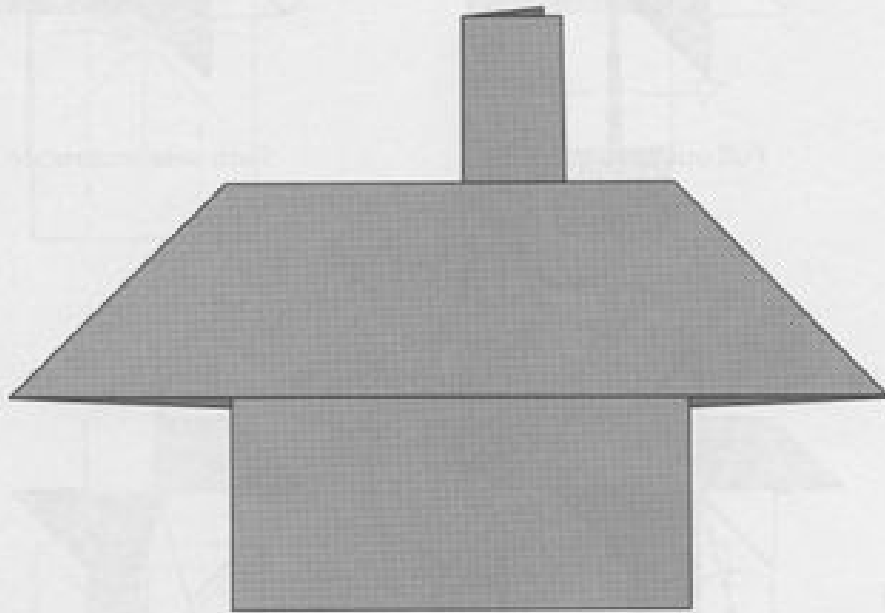
Turn over and rotate.



Windmill

HOUSE WITH CHIMNEY

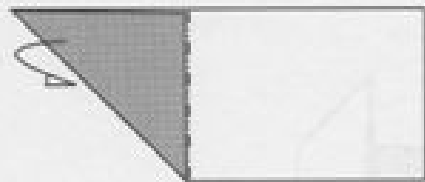
Designed by Sy Chen



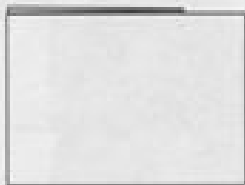
1



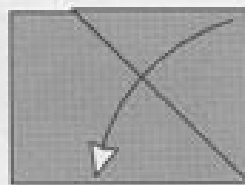
2



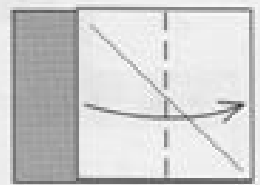
3

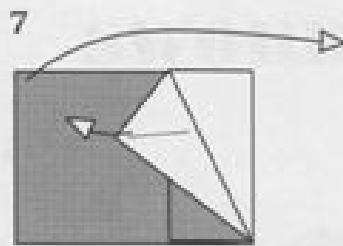
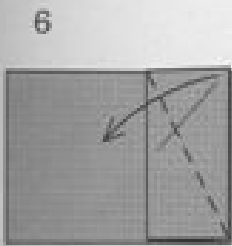


4

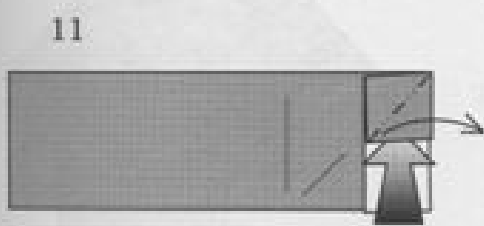
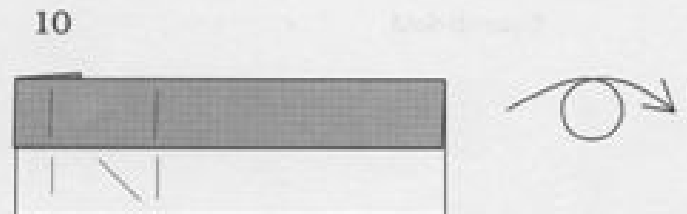
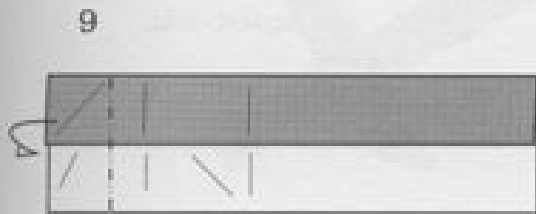
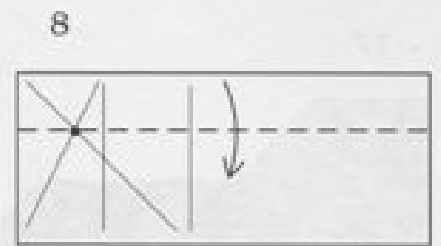


5

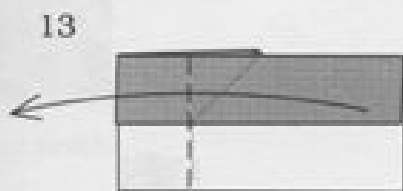
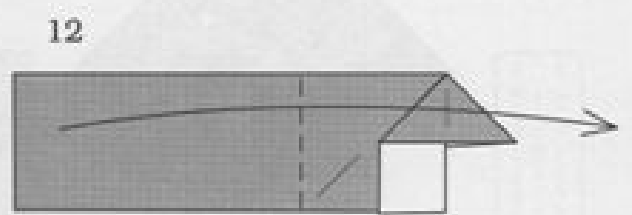




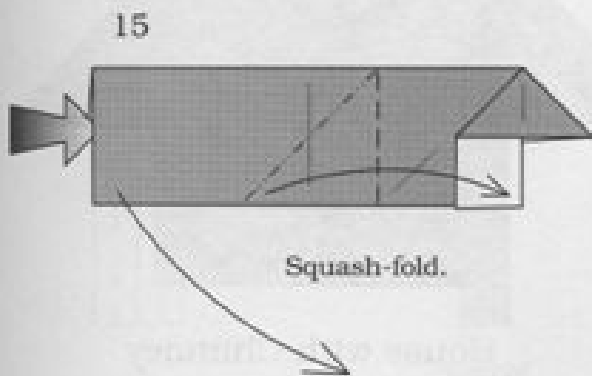
Unfold.



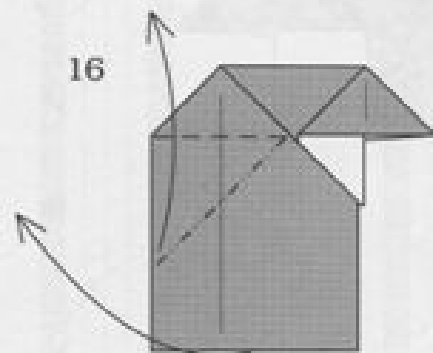
Squash-fold.



Unfold.

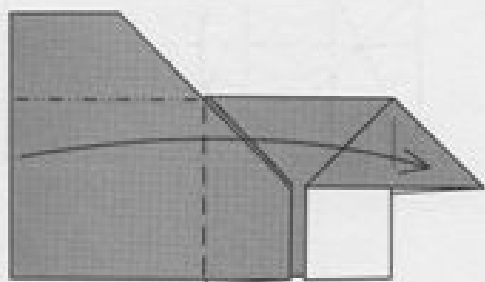


Squash-fold.



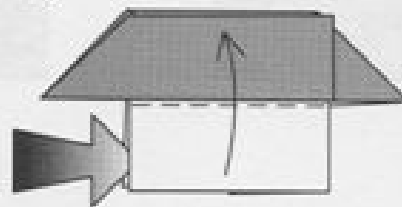
Squash-fold.

17



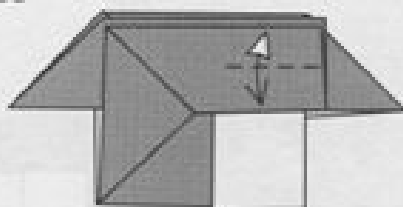
Squash-fold.

18



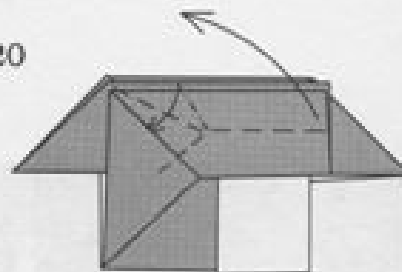
Squash-fold.

19



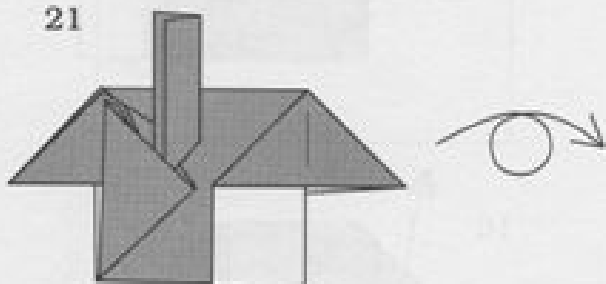
Fold and unfold.

20

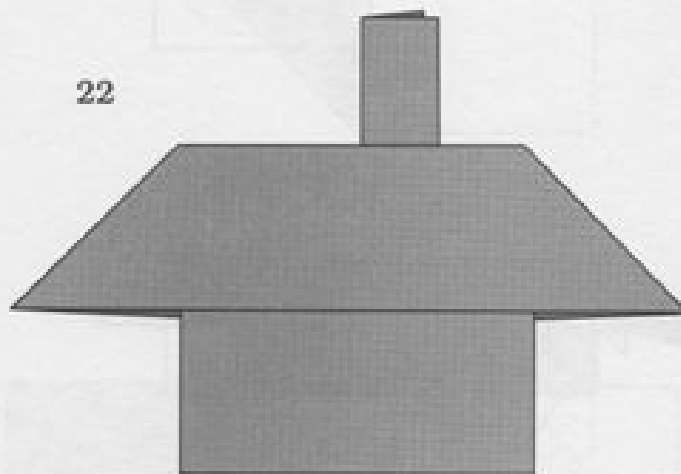


Rabbit-ear.

21



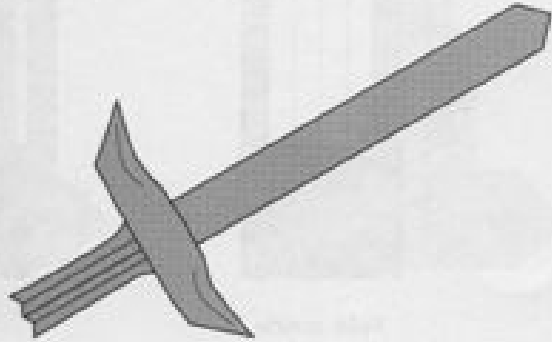
22



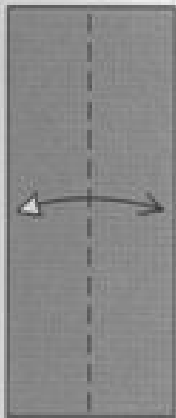
House with Chimney

SWORD

Designed by Peter Farina

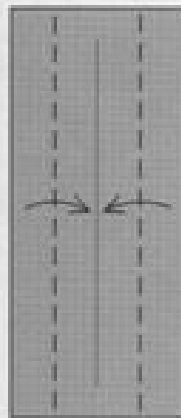


1

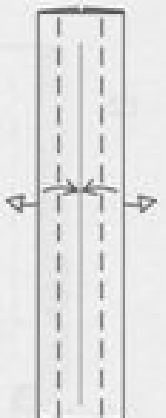


Fold and unfold.

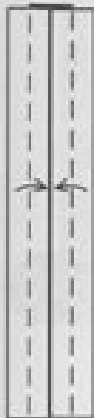
2



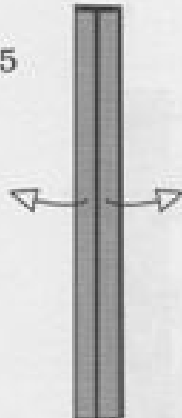
3



4

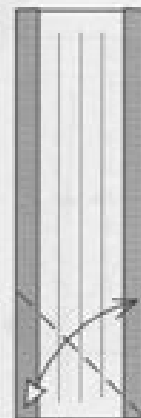


5



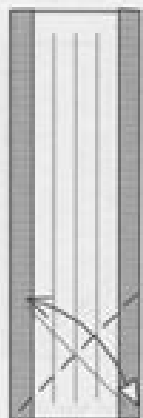
Unfold.

6

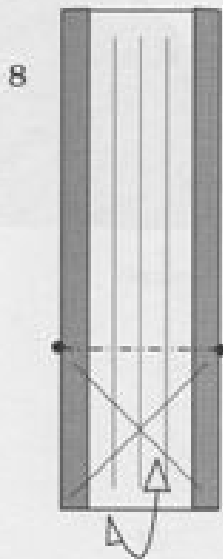


Fold and unfold.

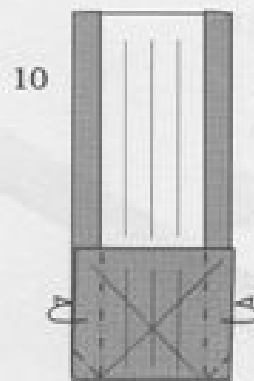
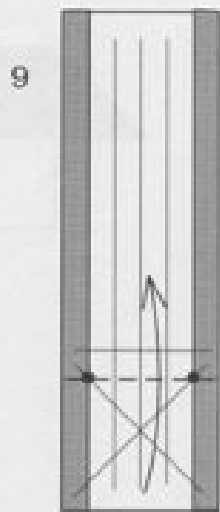
7



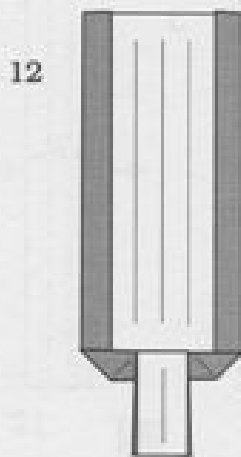
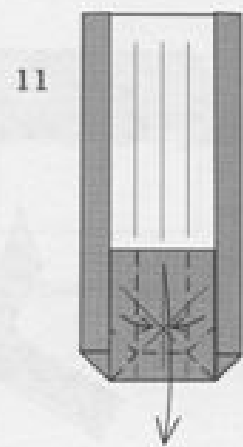
Fold and unfold.



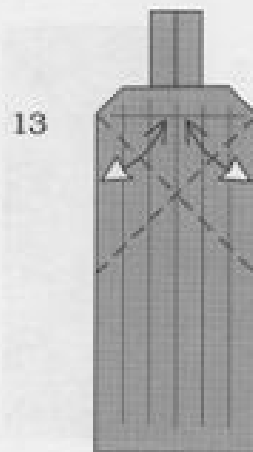
Fold and unfold.



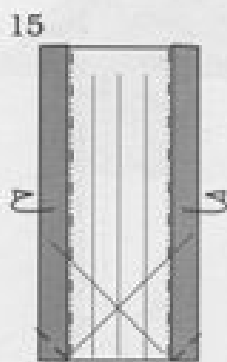
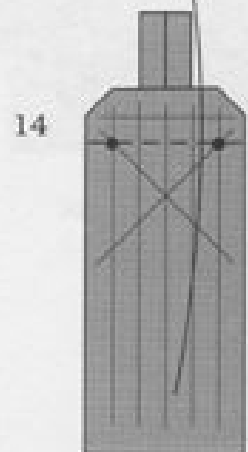
Fold inside.



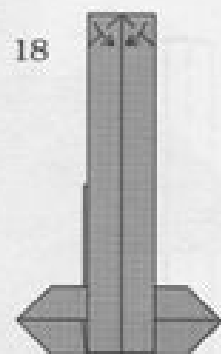
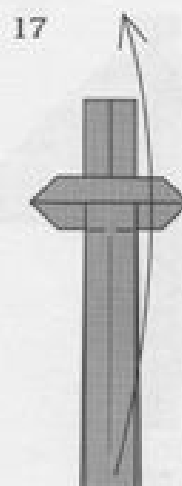
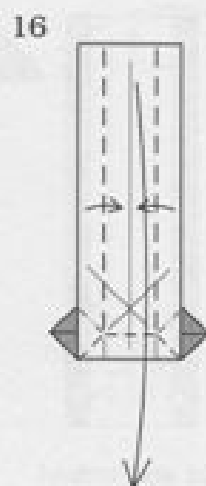
Turn over and rotate.



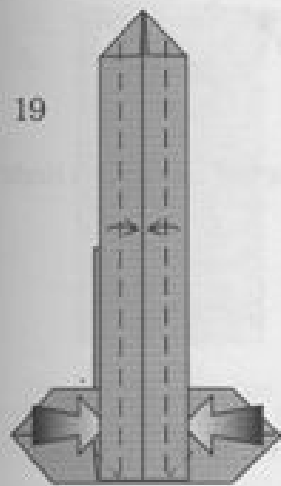
Fold and unfold.



Fold inside.

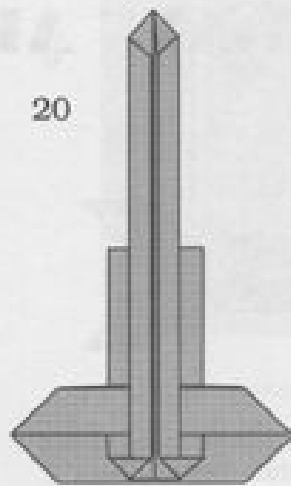


19

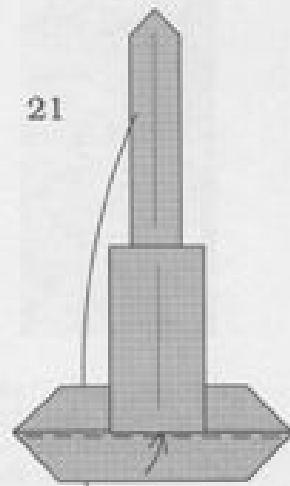


Squash folds.

20



21



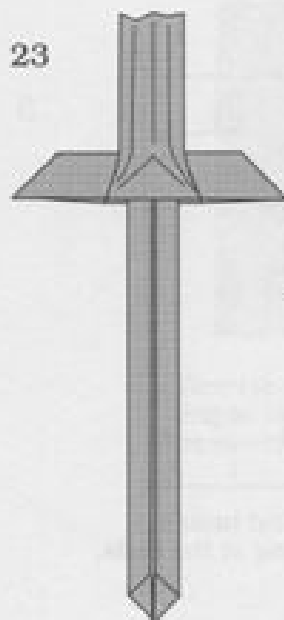
Tuck inside.

22

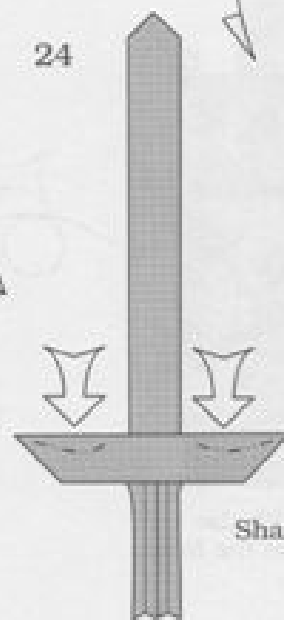


Thin the handle.

23



24



Shape the hilt.

25



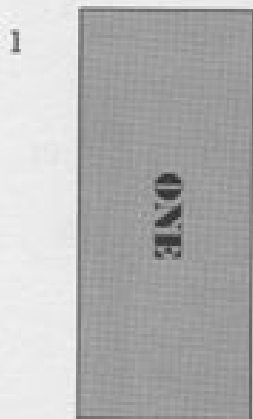
Sword

“ONE-WAY” ARROW

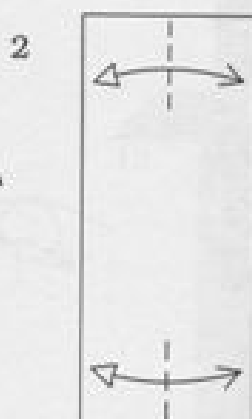
Designed by Stephen Hecht



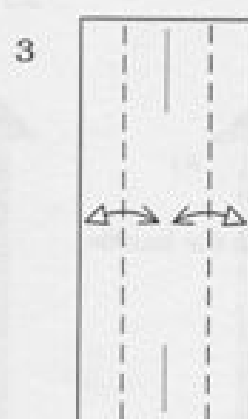
This arrow can also be folded from rectangles of other dimensions, provided they are considerably longer than they are wide.



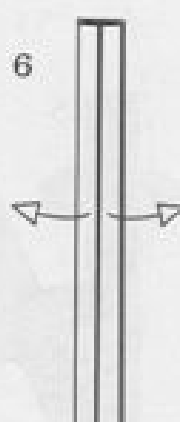
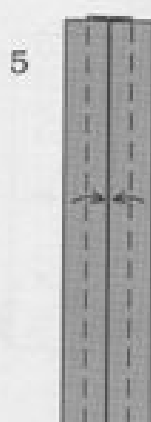
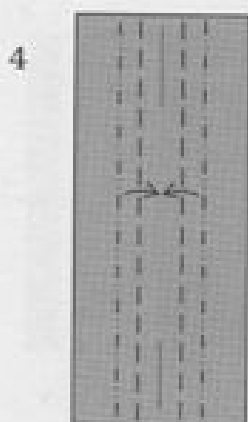
Begin with the "ONE" on the front.



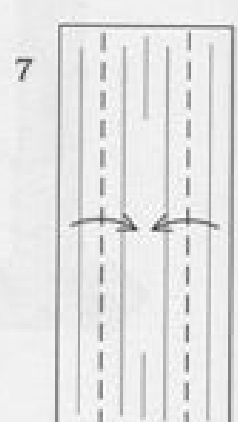
Fold and unfold, creasing at the ends.

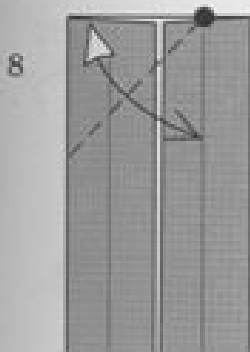


Fold and unfold.

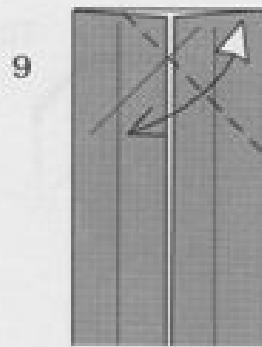


Unfold.

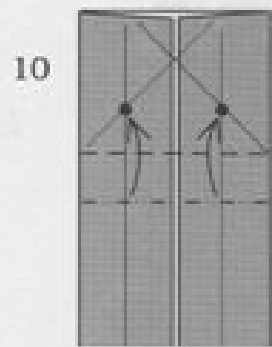




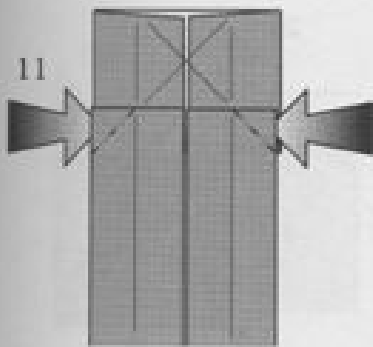
8
The top will form the "point" of the arrow. Fold and unfold all the layers.



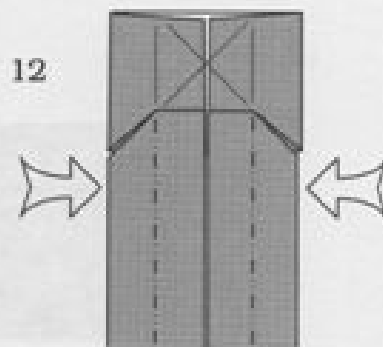
9
Fold and unfold.



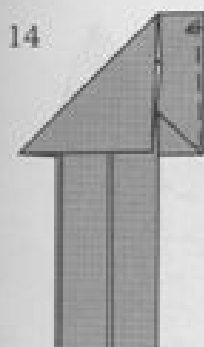
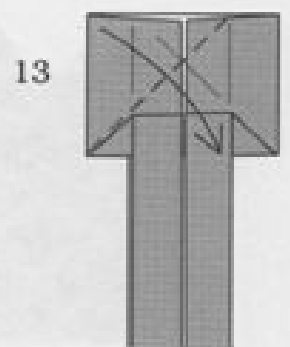
10
Pleat. Make the valley fold first. Then bring the mountain fold to the indicated intersections.



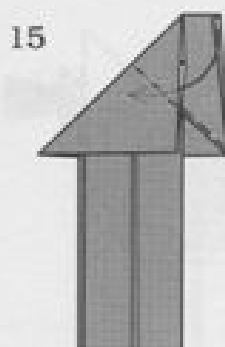
11
Reverse folds.



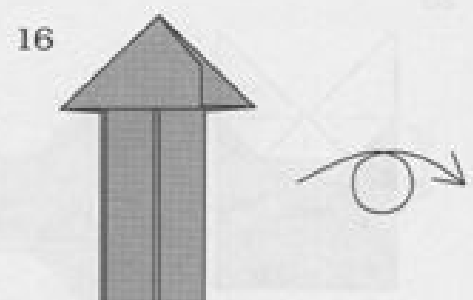
12
Reverse-fold the long edges, closed-sinking at the top corners.



14
Fold a very thin layer.

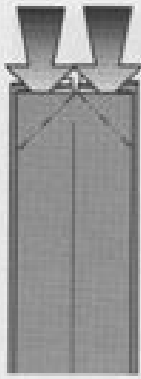


15
Reverse-fold the other corner on existing creases, tucking into the triangle on the left. The thin fold at the right edge helps make the tuck easier.



16
The "point" of the arrow is finished. Turn over and rotate.

17



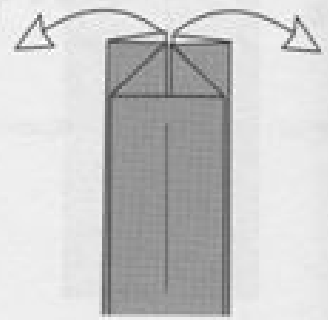
Begin working on the "flights". Reverse-fold the top layers.

18



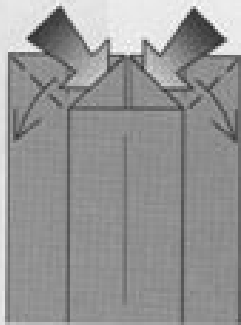
Spread slightly to sink inside.

19



Unfold the edges from behind. The model is not flat at the "point" end.

20

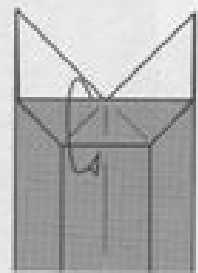


Reverse folds.

21

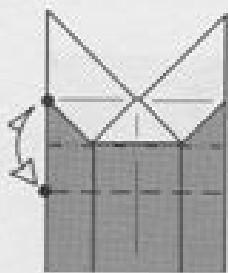


22



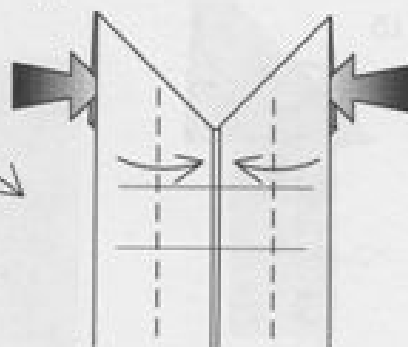
Open the model a bit to wrap around.

23



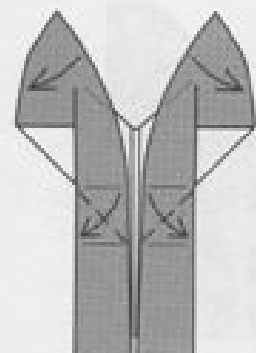
First mountain fold along the bottom of the trapezoid, then valley fold. Unfold.

24



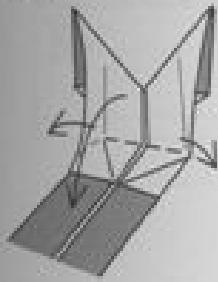
Fold to the center keeping the top three-dimensional.

25



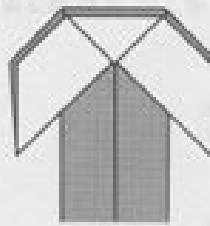
Valley-fold the top layer, between pleat lines, which lifts the "flights" perpendicular.

26

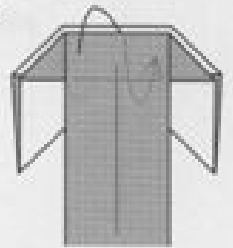


Continue flipping over the "flights" in this three-dimensional step.

27

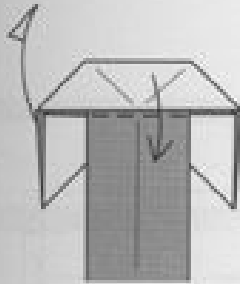


28

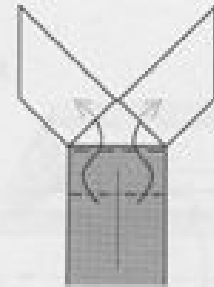


Tuck inside the hidden trapezoid.

29



30



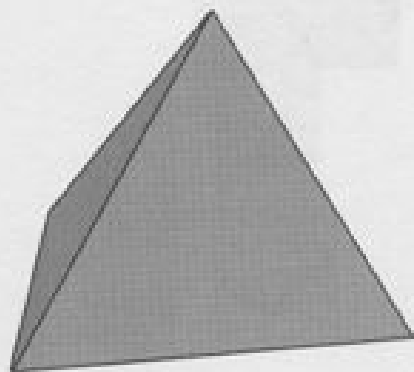
Pleat and tuck under the diagonal edges. Gently bend the model along the vertical with a mountain fold to facilitate the tuck. Then flatten out to secure.

31

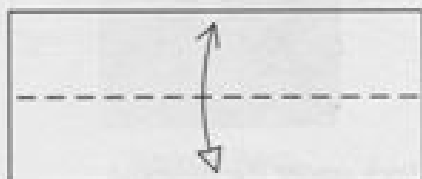


"One-Way" Arrow

TETRAHEDRON



1



Fold and unfold.

2

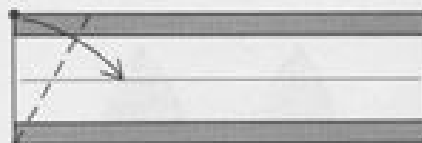


Fold and unfold.

3



4



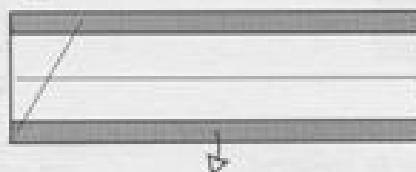
Fold the corner to the crease.

5

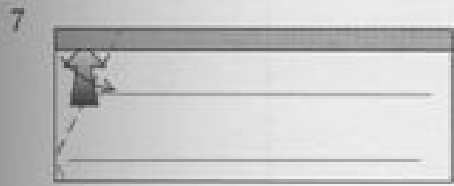


Unfold.

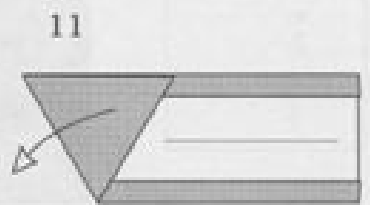
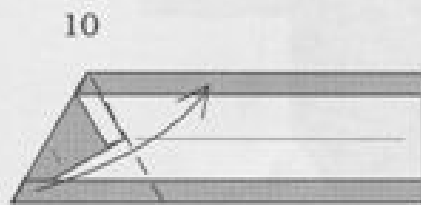
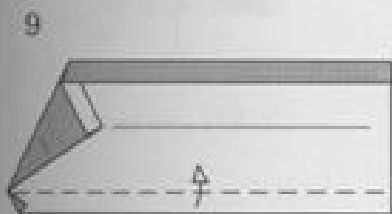
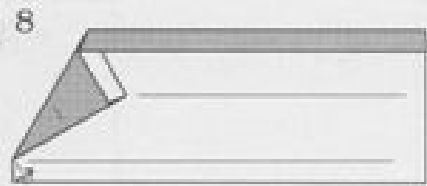
6



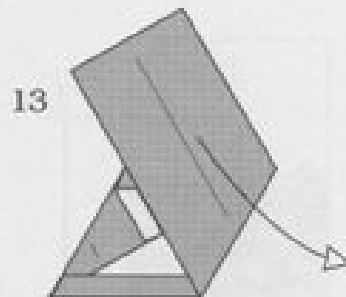
Unfold.



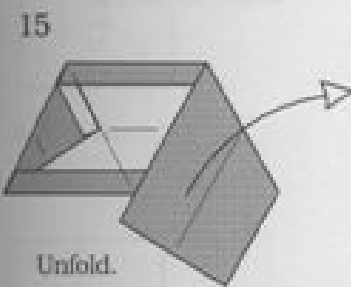
Reverse-fold.



Unfold.



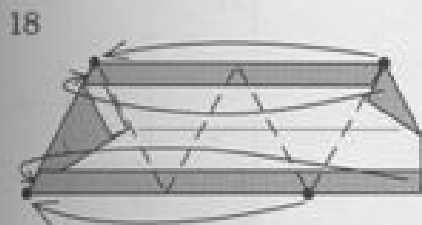
Unfold.



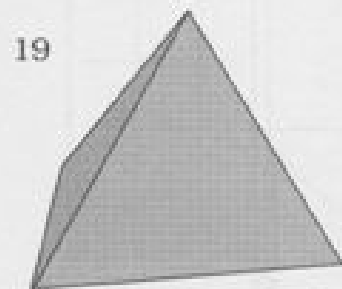
Unfold.



Fold and unfold.

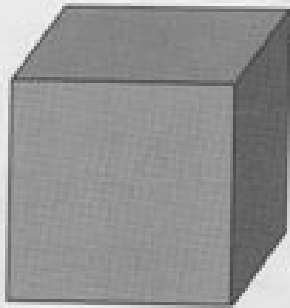


Tuck the right side into the left pockets.



Tetrahedron

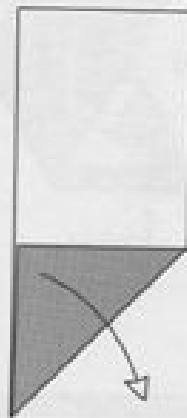
CUBE



1

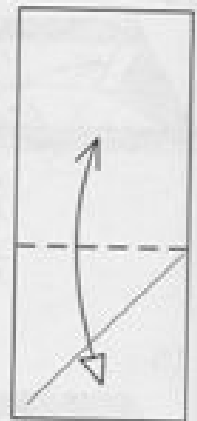


2



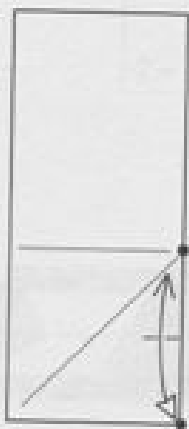
Unfold.

3



Fold and unfold.

4



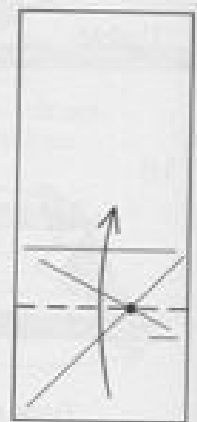
Fold and unfold.

5

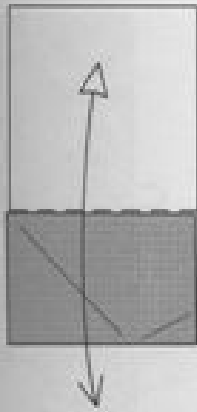


Fold and unfold.

6

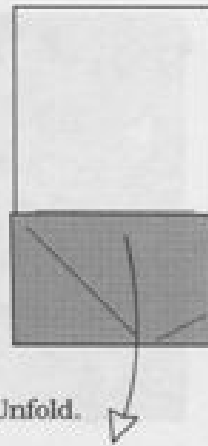


7



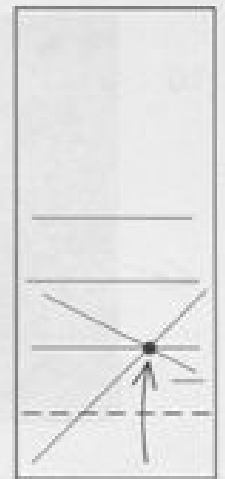
Fold and unfold.

8

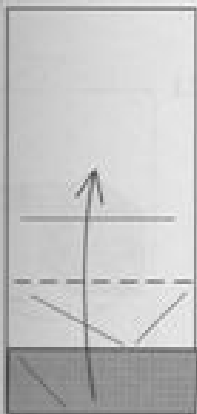


Unfold.

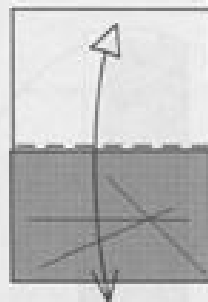
9



10

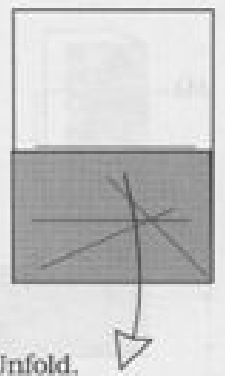


11



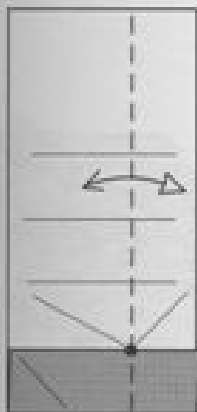
Fold and unfold.

12



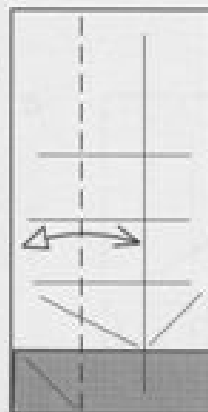
Unfold.

13



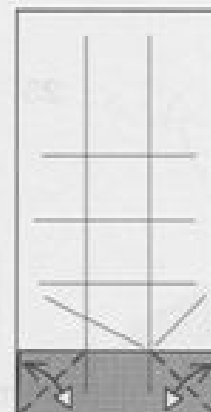
Fold and unfold.

14

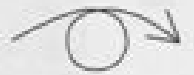


Fold to the crease and unfold.

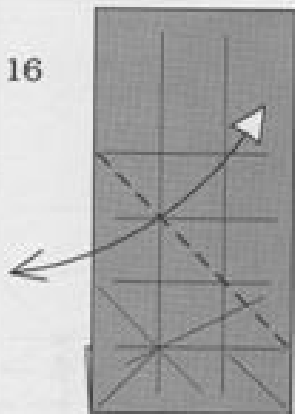
15



Fold and unfold both layers.

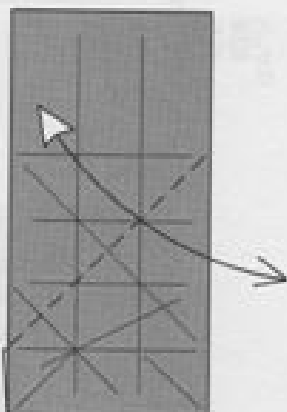


16



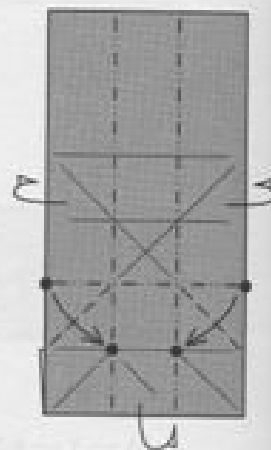
Fold and unfold.

17



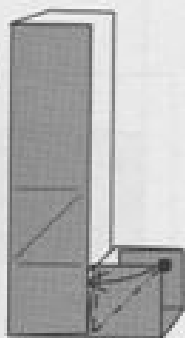
Fold and unfold.

18



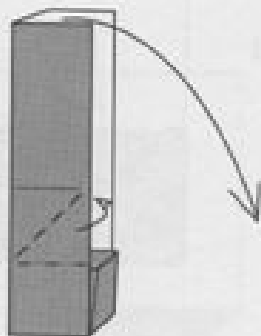
The model will become three-dimensional.

19



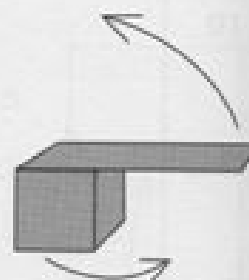
Tuck inside.
Repeat behind.

20



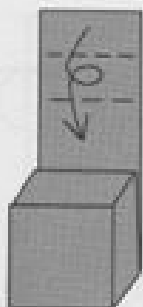
Repeat behind
to flatten the
paper at the top

21

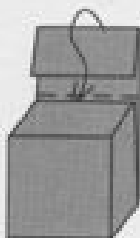


Rotate.

22

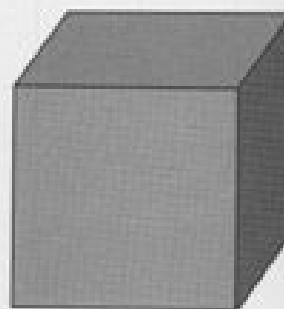


23



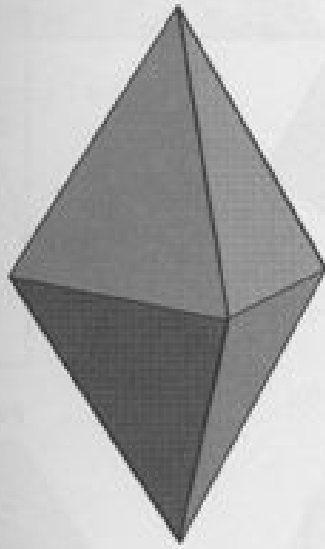
Tuck inside.

24

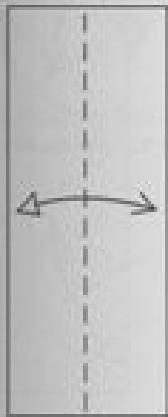


Cube

DIAMOND



1



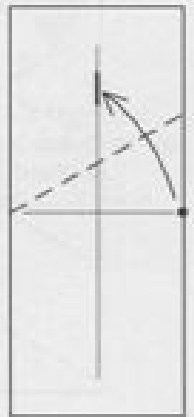
Fold and unfold.

2

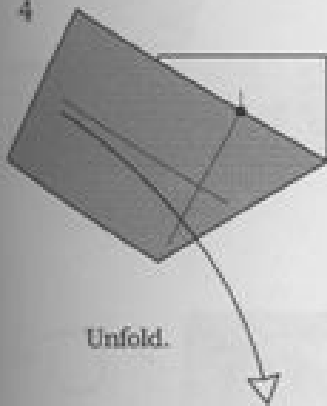


Fold and unfold.

3



4

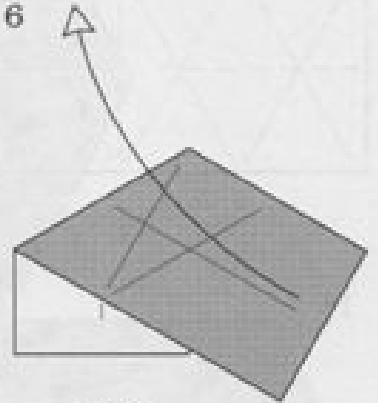


Unfold.

5

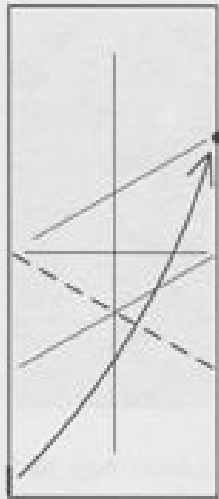


6

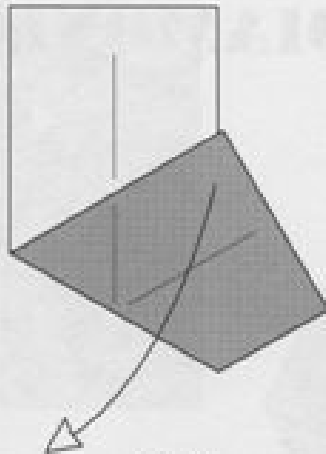


Unfold.

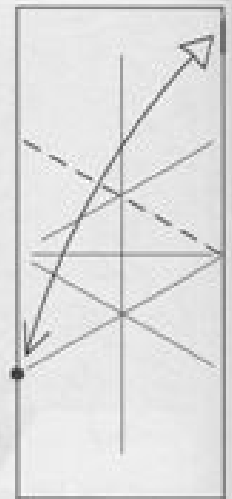
7



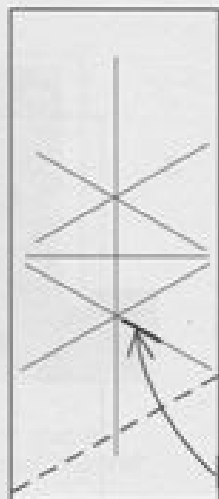
8



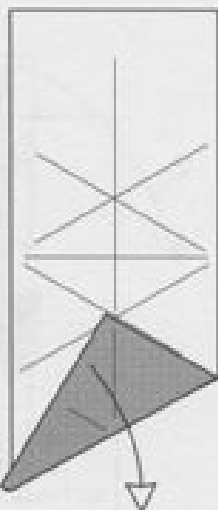
9



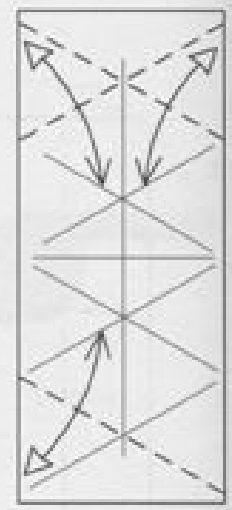
10



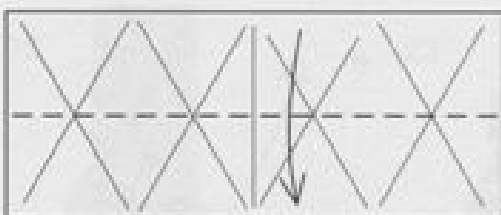
11



12



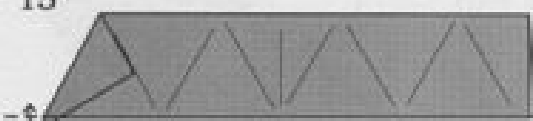
13



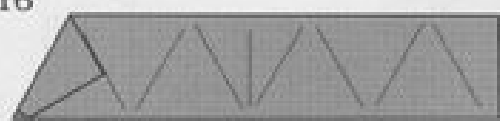
14



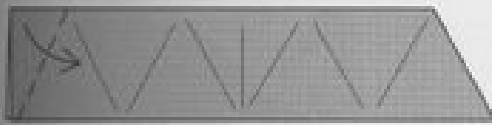
15



16

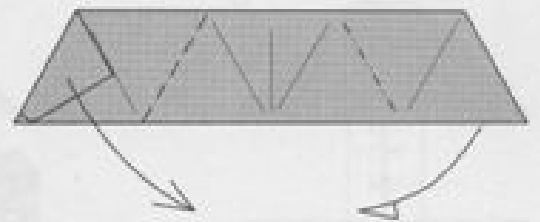


17

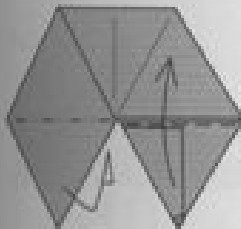


Repeat steps 14–15.

18

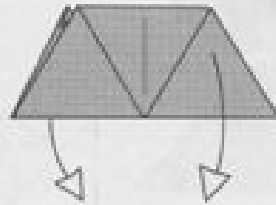


19



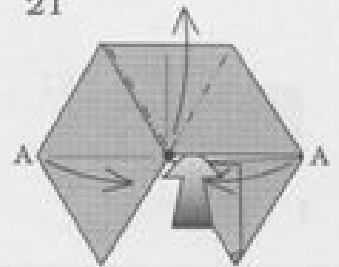
Fold behind on the left and in front on the right.

20



Unfold.

21



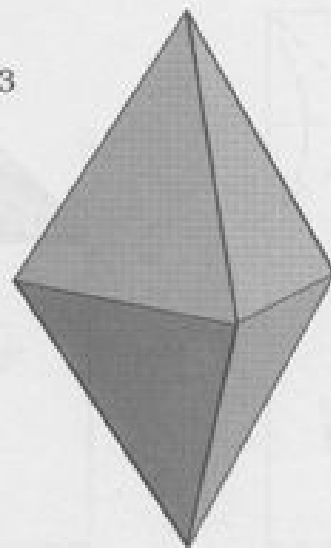
Bring the two A's together while the center dot goes up. The model will become three-dimensional. Rotate.

22



Tuck inside at the top and bottom.

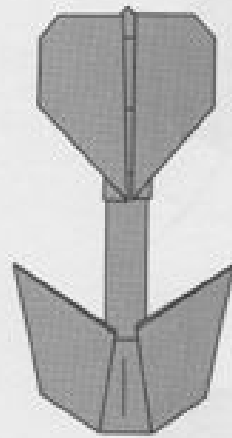
23



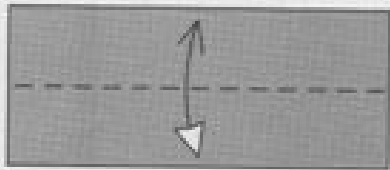
Diamond

TULIP

Designed by Mark Kennedy



1



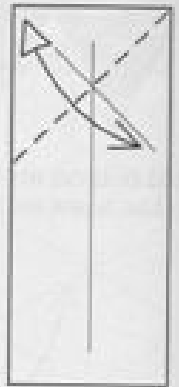
Fold and unfold.
Rotate.

2



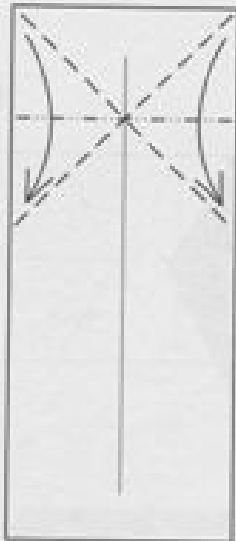
Fold and unfold.

3

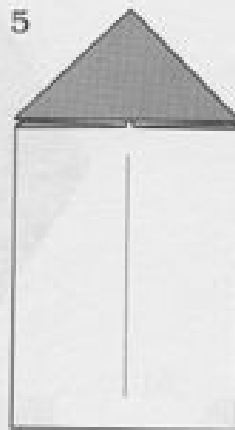


Fold and unfold.

4

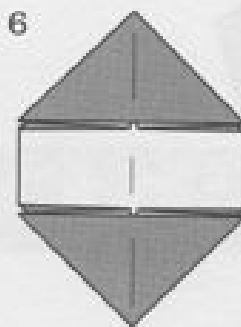


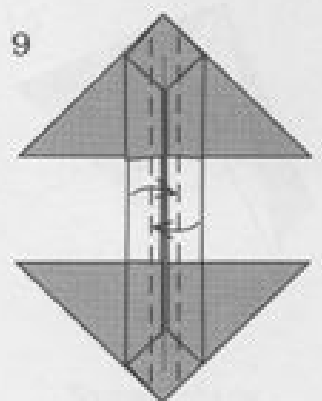
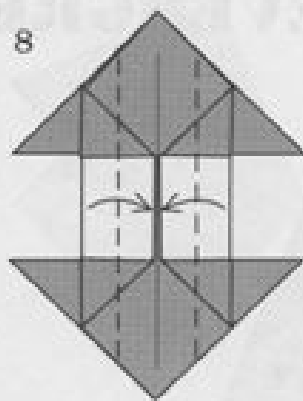
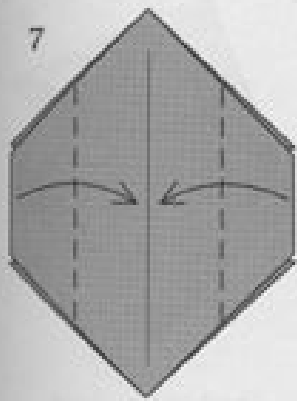
5



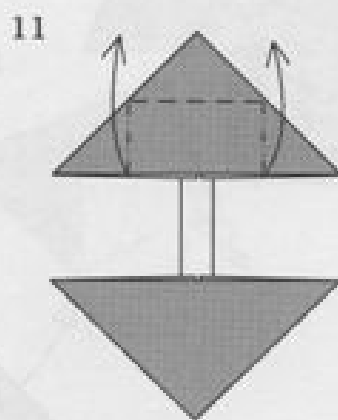
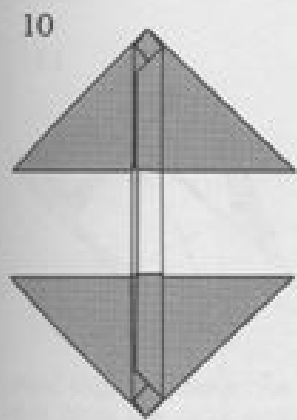
Repeat steps 2-4
on the bottom.

6

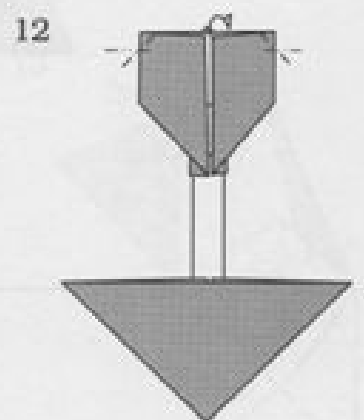




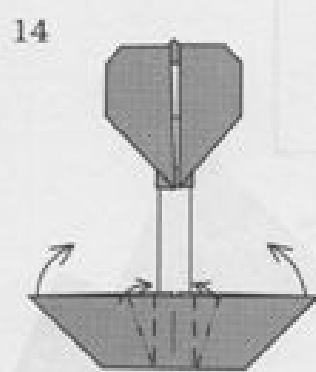
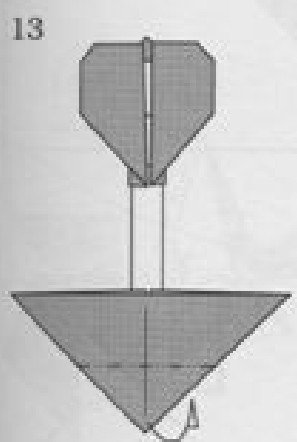
Fold in thirds.



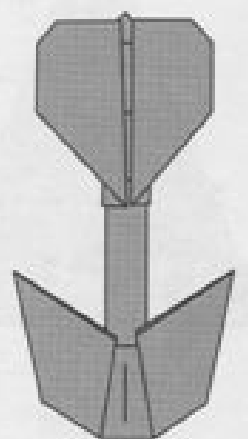
Petal-fold.



Petal-fold behind.

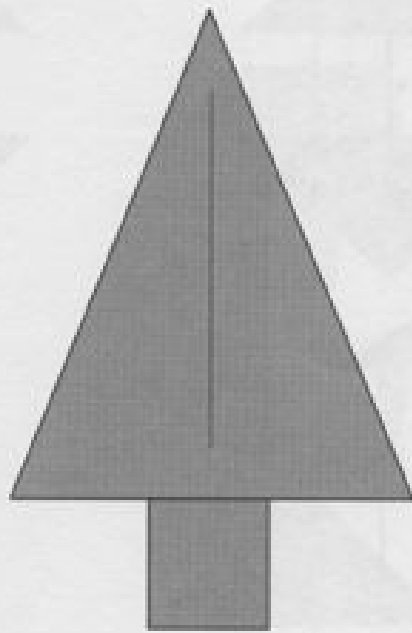


15

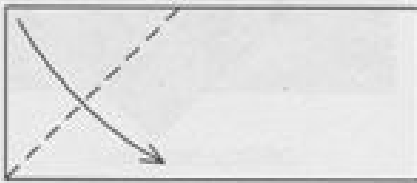


Tulip

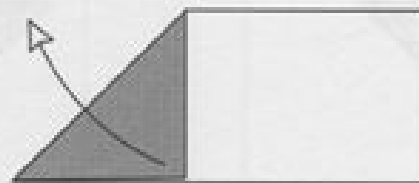
EVERGREEN



1



2

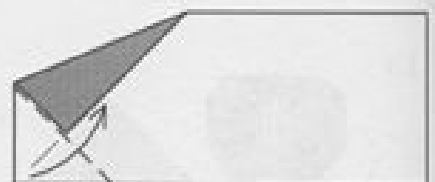


Unfold.

3



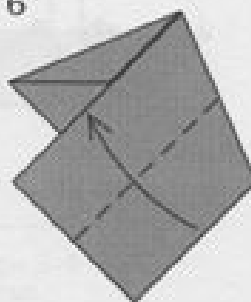
4



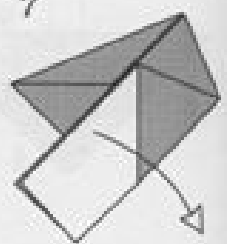
5



6

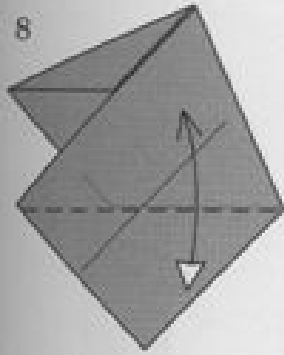


7



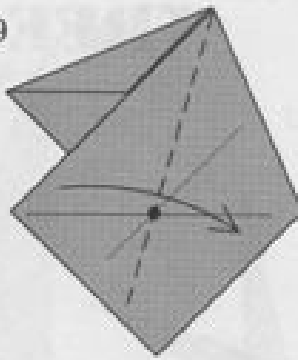
Unfold.

8

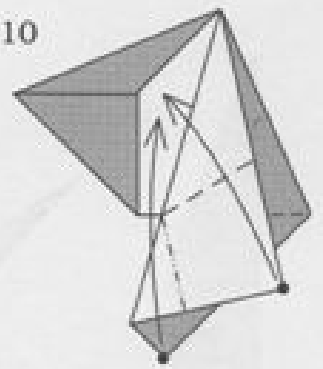


Fold and unfold.

9

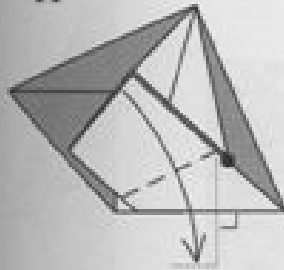


10



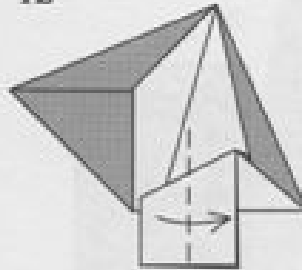
Squash-fold so the dots meet.

11

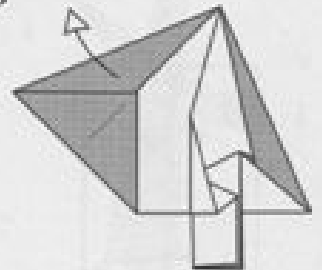


Fold slightly above the dot. Note the right angle.

12

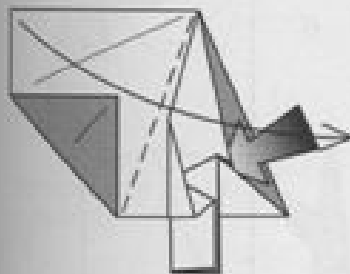


13



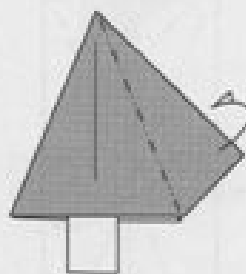
Unfold.

14



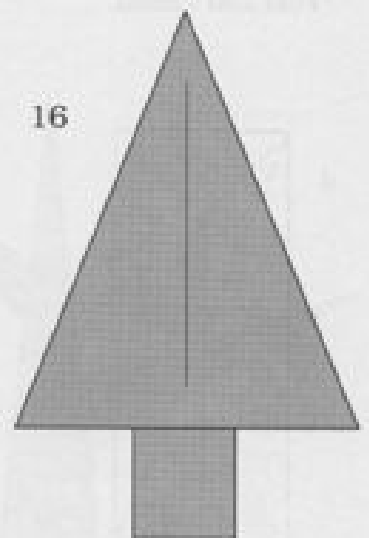
Note the pocket.

15



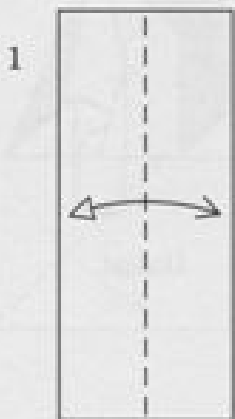
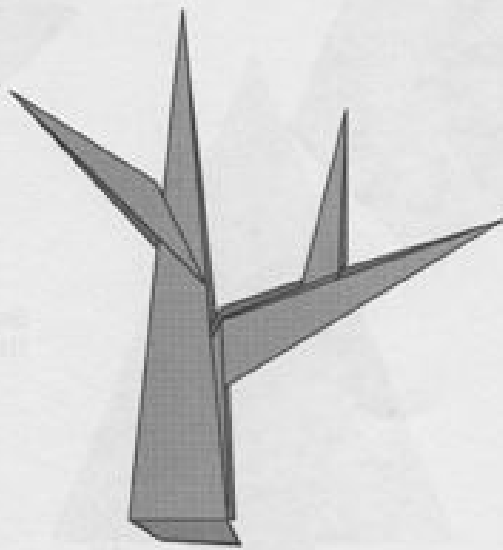
Tuck inside the pocket.

16

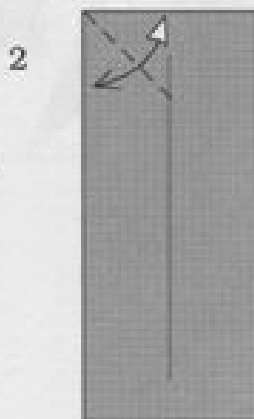


Evergreen

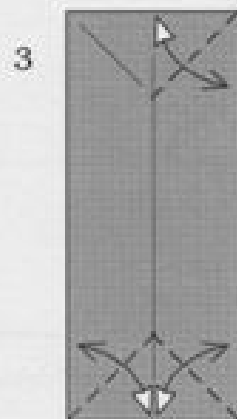
TREE



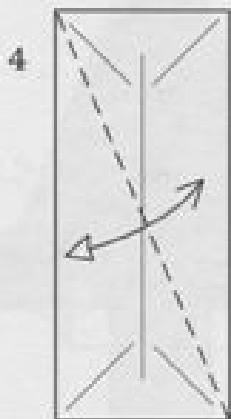
Fold and unfold.



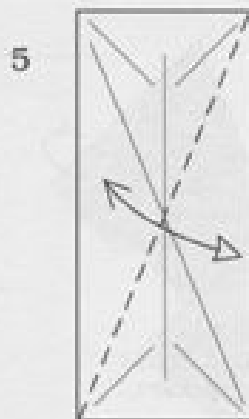
Fold and unfold.



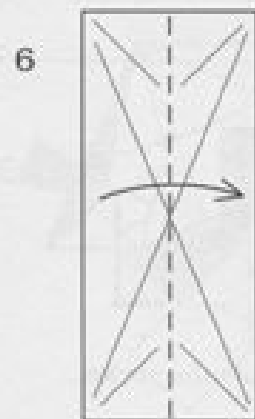
Fold and unfold.



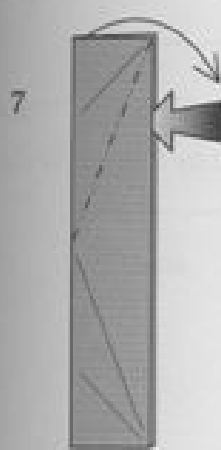
Fold and unfold.



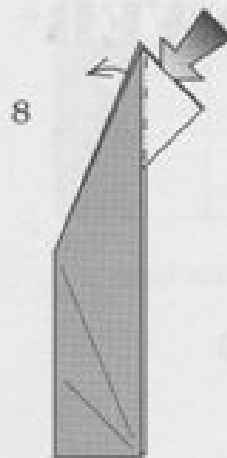
Fold and unfold.



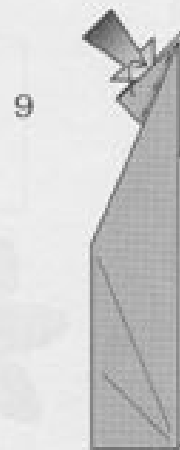
Fold in half and rotate.



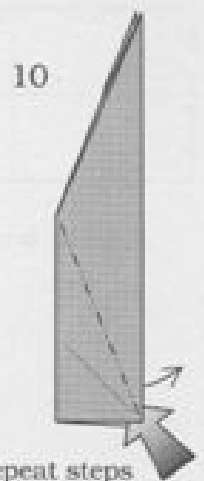
7
Reverse-fold.



8
Reverse-fold.



9
Reverse-fold.



10
Repeat steps 7-9 below.



11

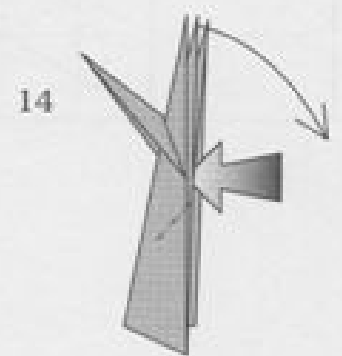


12



13

Outside-reverse-fold
one branch.



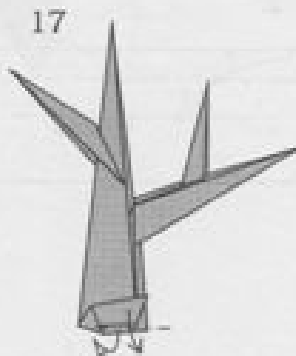
14

Reverse-fold
two branches.



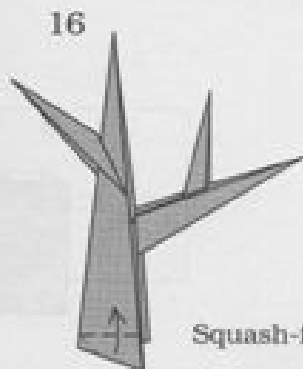
15

Reverse-fold
a branch.



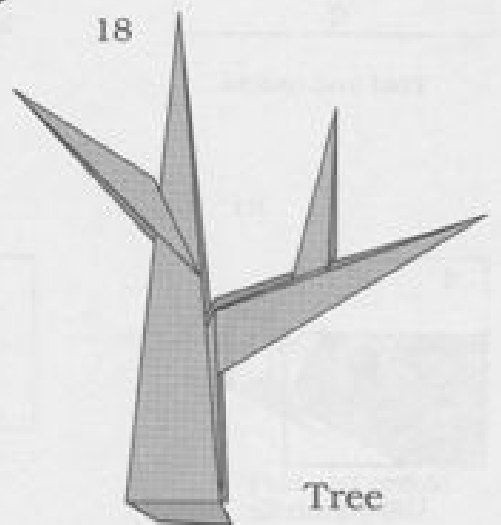
17

Form a stand for
the tree to balance.



16

Squash-fold.

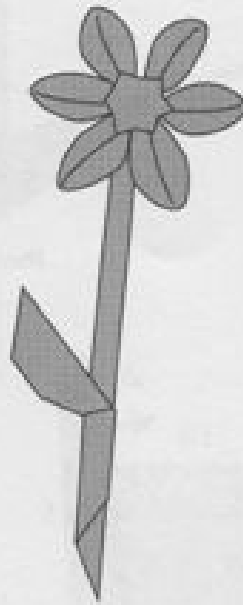


18

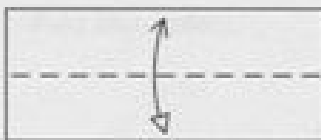
Tree

FLOWER

Designed by Stephen Hecht

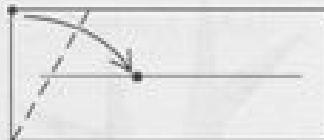


1

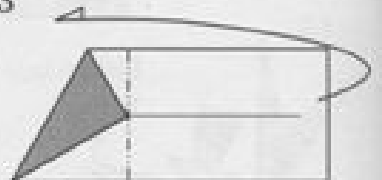


Fold and unfold.

2



3

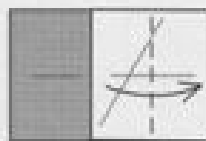


4

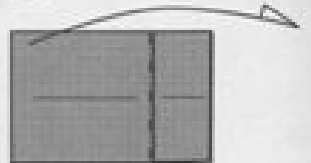


Unfold.

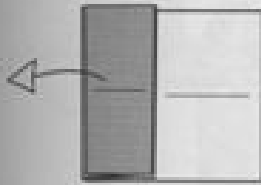
5



6

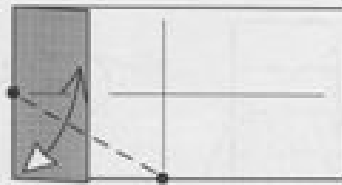


7



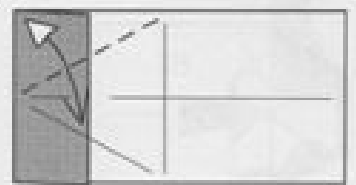
Open.

8



Fold and unfold.

9



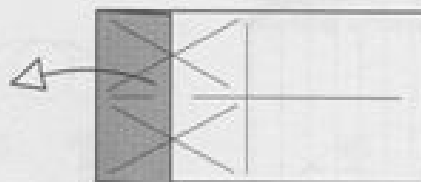
Fold and unfold.

10



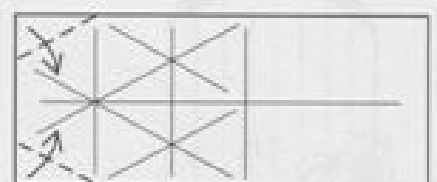
Fold and unfold.

11

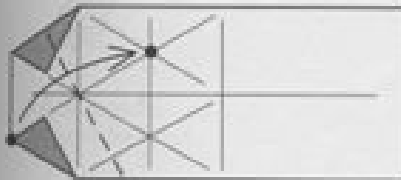


Unfold.

12



13

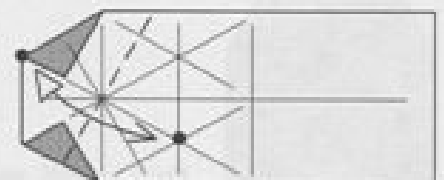


14



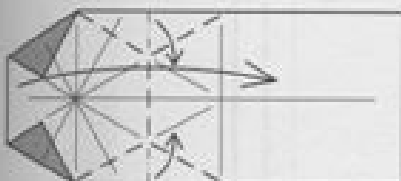
Unfold.

15

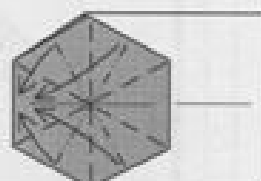


Fold and unfold.

16

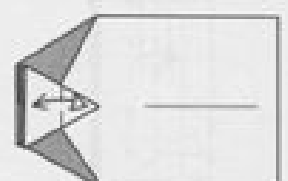


17



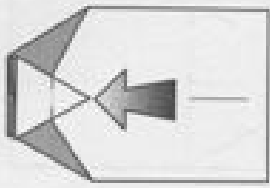
Collapse along the creases.

18



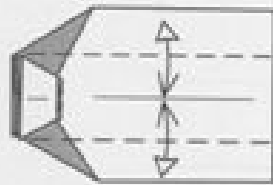
Fold and unfold all the layers.

19



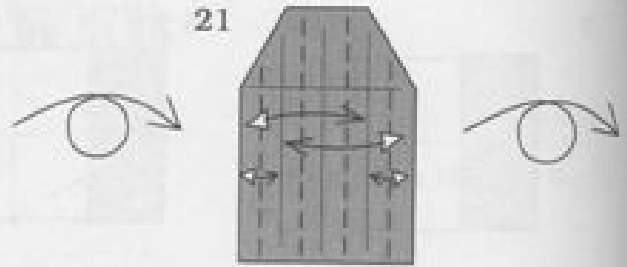
Open to sink.

20



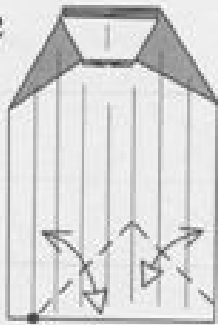
Fold and unfold.
Turn over and rotate.

21



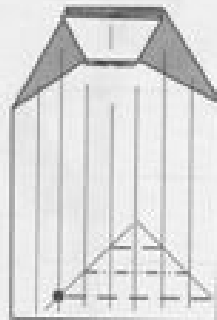
Fold and unfold.

22



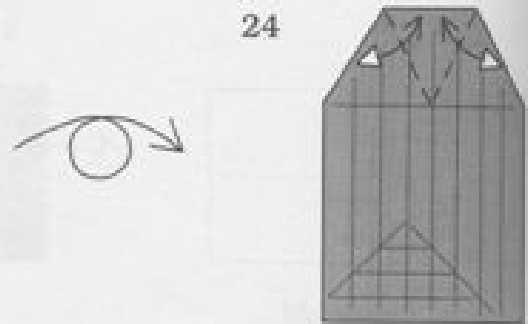
Fold and unfold.

23



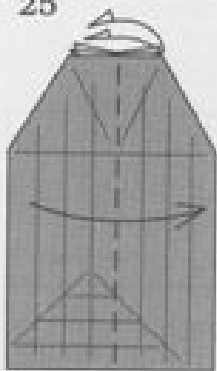
Fold and unfold.

24



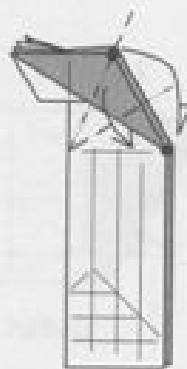
Fold and unfold.

25



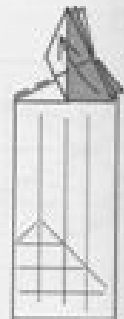
Fold in half, swinging
the two small flaps
behind to the left.

26



Crimp-fold.

27



Repeat behind.

28



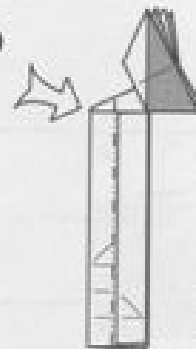
Repeat behind.

29



Repeat behind.

30



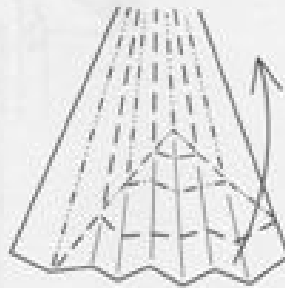
Push in at the
corner to sink
the long edge.

31



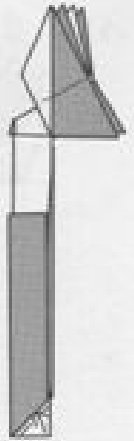
Spread at the bottom
and view the left side
in the next step.

32



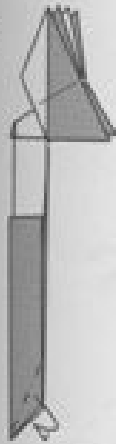
Spread pleats,
refold along the
existing creases.

33



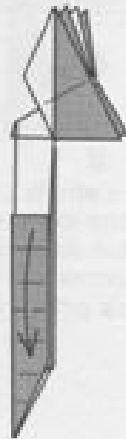
Tuck inside.

34



Tuck inside.
Repeat behind.

35

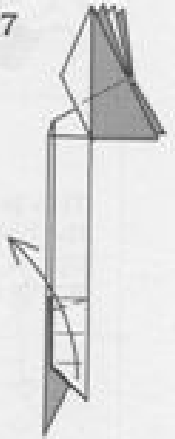


36

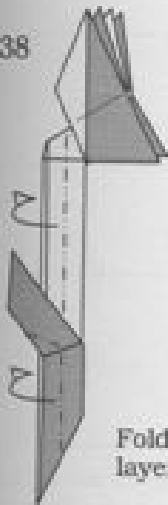


Tuck inside.

37

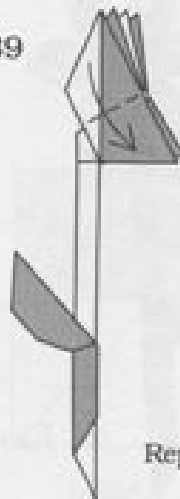


38



Fold all the
layers together.

39



Repeat behind.

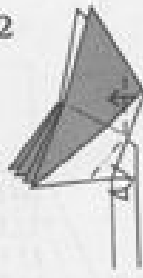
40



41



42

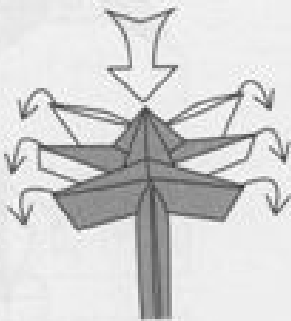


43



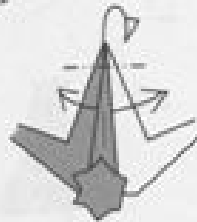
Reverse-fold the top edges of all six petals (about one-third of the angle). Do not flatten.

44



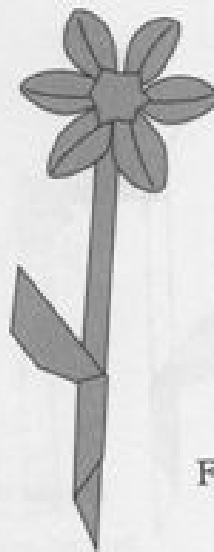
This is a view from above the bloom. Pull down the tips of the petals while gently flattening the center.

45



This is a single petal. Open and round the sides of the petal, and mountain-fold the tip behind. Flatten the underside of the petal, especially the thick petals adjoining the stem.

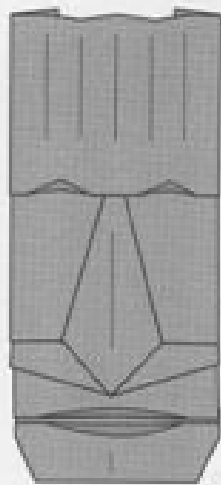
46



Flower

AFRICAN MASK

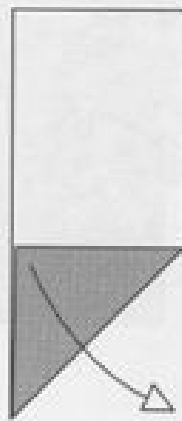
Designed by Matt Slayton



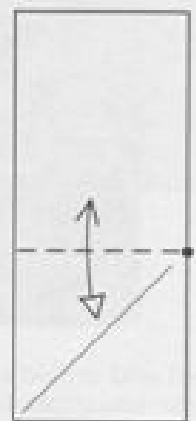
1



2



3



Unfold.

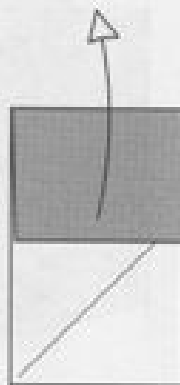
Fold and unfold.

4



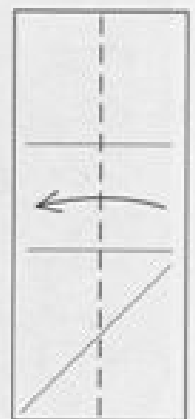
Fold down slightly
below the line.

5



Unfold.

6



7



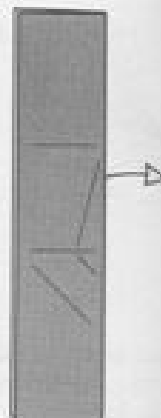
Fold and unfold.

8



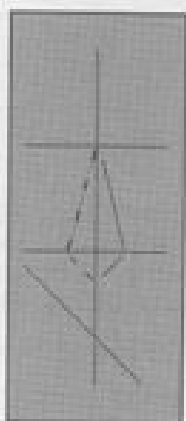
Fold and unfold.

9



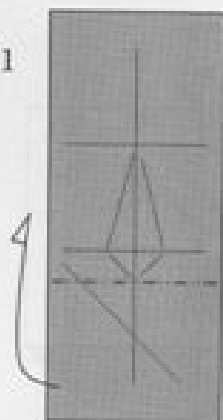
Unfold.

10

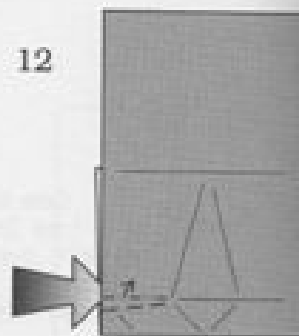


Fold and unfold to make these mountain fold creases.

11

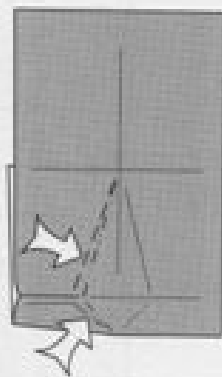


12



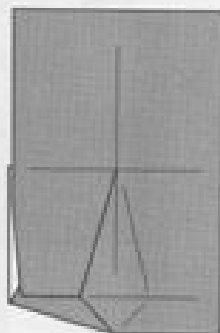
Lift up slightly on the mountain fold line.

13



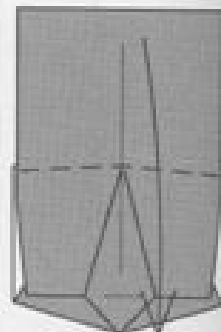
Flatten to shape the nose.

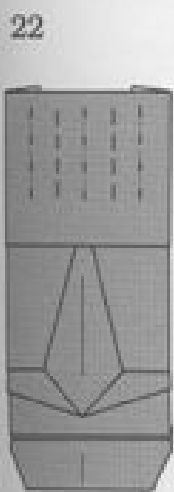
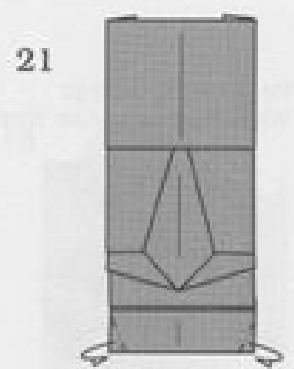
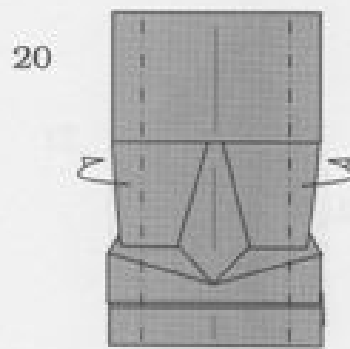
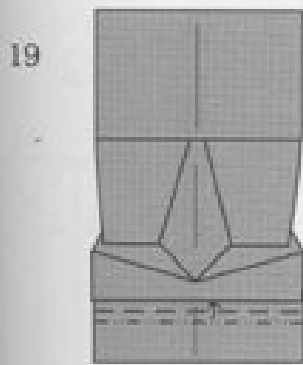
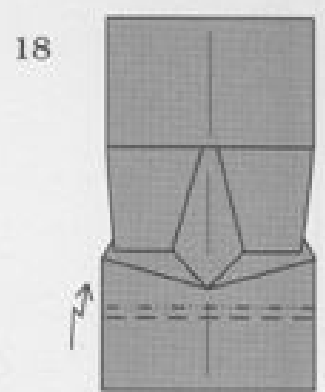
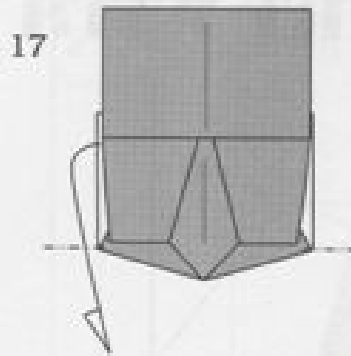
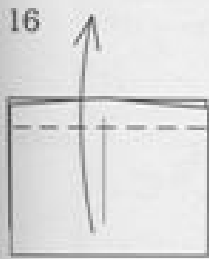
14



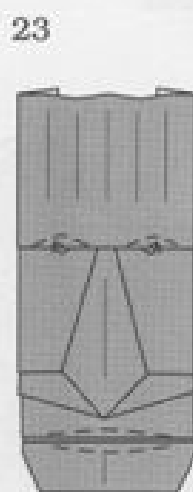
Repeat steps 12-13 on the right.

15

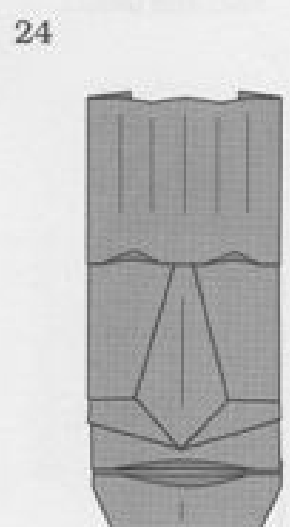




Fold and unfold.



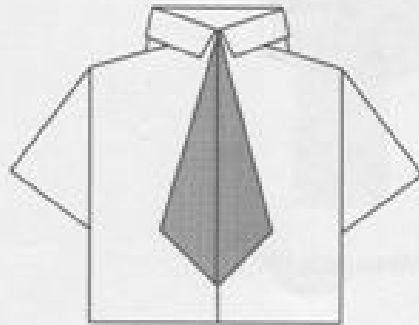
Shape the eyes and lips.



African Mask

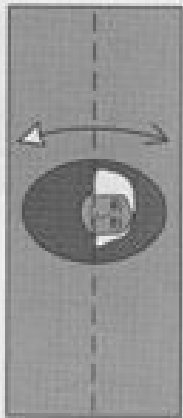
SHIRT WITH TIE

Designed by Stefan Delecat



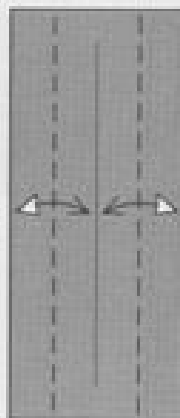
Begin with George Washington on the front.

1



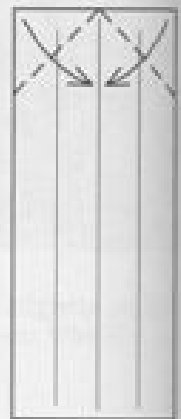
Fold and unfold.

2

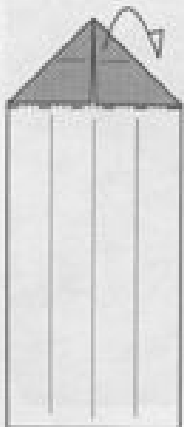


Fold and unfold.

3



4

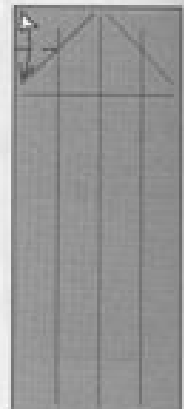


5

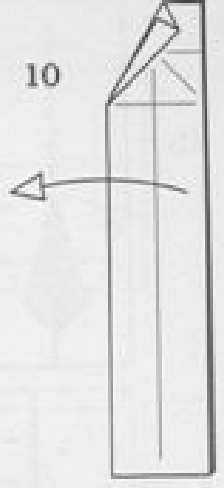
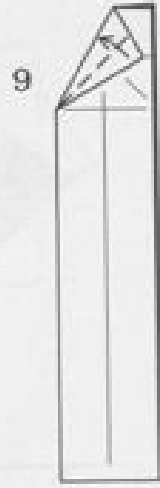
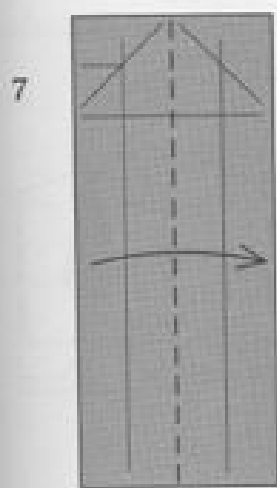


Unfold.

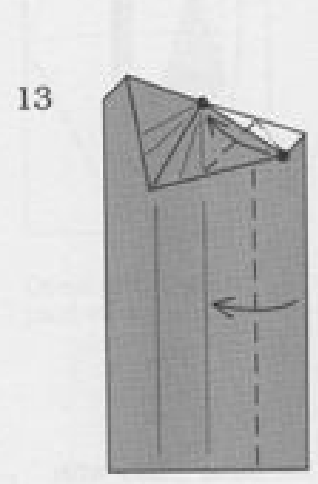
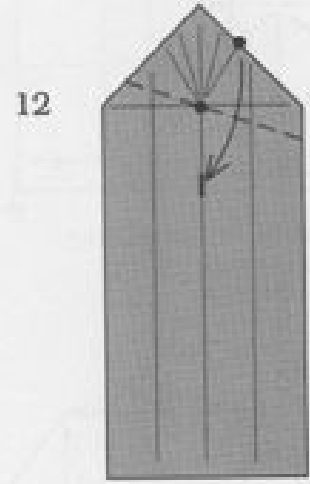
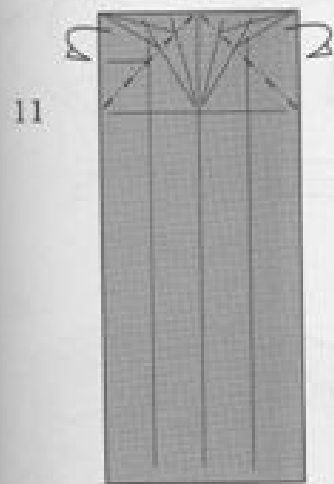
6



Fold and unfold.



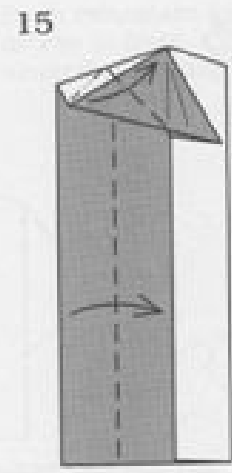
Unfold.



Squash-fold.



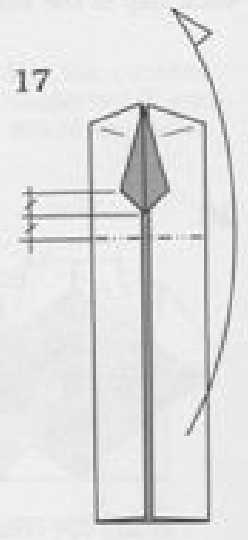
Squash-fold.



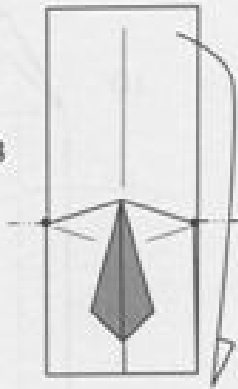
Squash-fold.



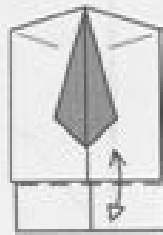
Squash-fold.



18

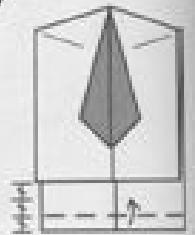


19

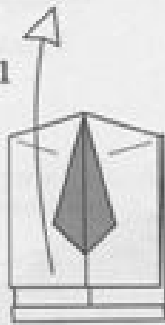


Fold and unfold.

20

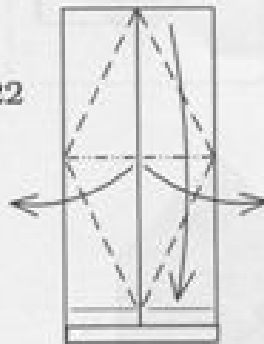


21



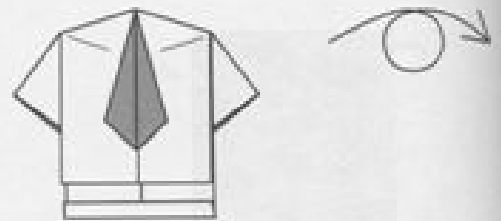
Lift up.

22



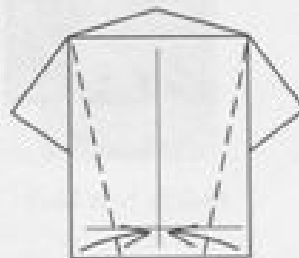
Mountain-fold along existing creases to form the sleeves.

23



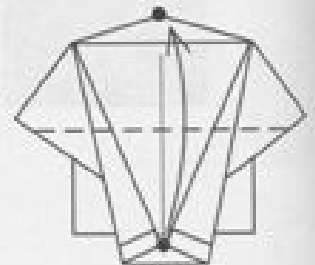
Continue either with step 24 or go to step 28 for an alternative folding sequence to lock the back flap of the shirt.

24

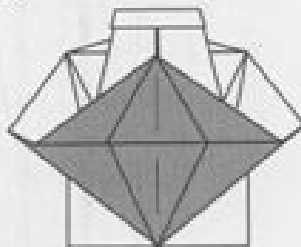


Fold the corners to the center line.

25

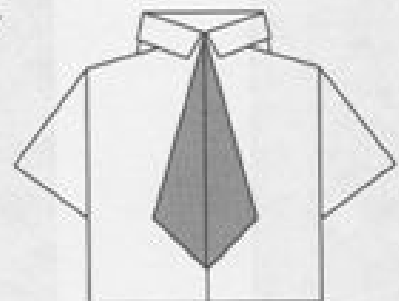


26



Bring the collar to the front.

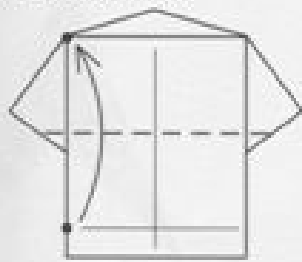
27



Shirt with Tie (1)

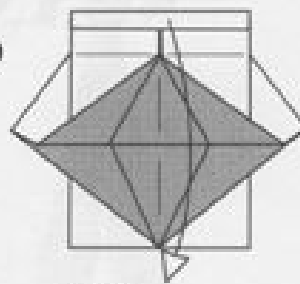
Alternative sequence:

28



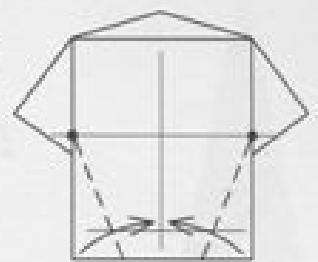
Fold the lower part upward.

29

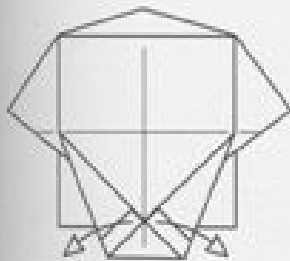


Unfold.

30

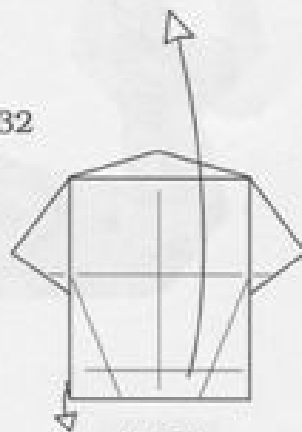


31



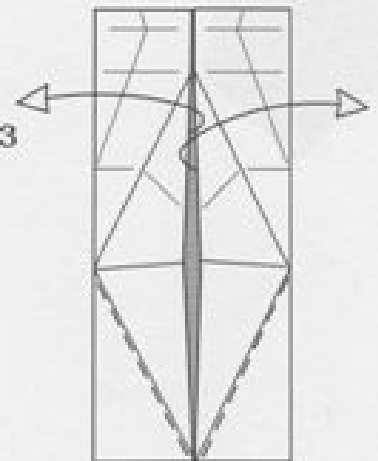
Unfold.

32



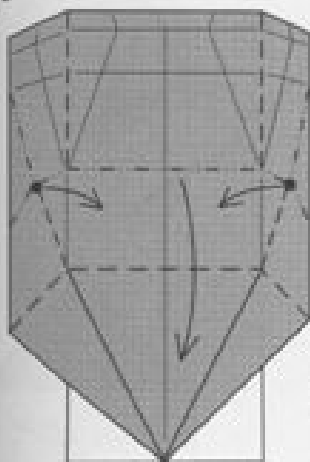
Unfold.

33



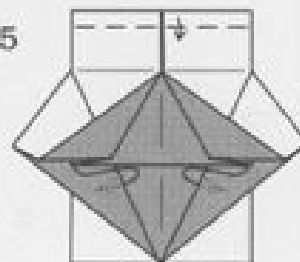
Open the upper part of the model.

34



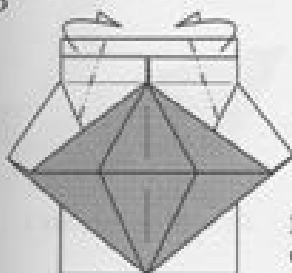
Push mountain fold between marks in front. Collapse along the existing creases.

35



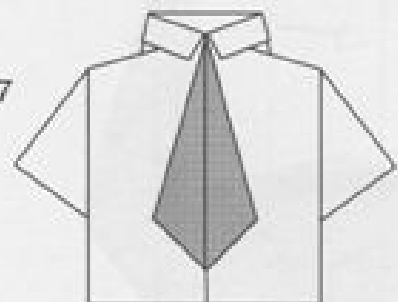
Put the corners underneath and refold the collar.

36



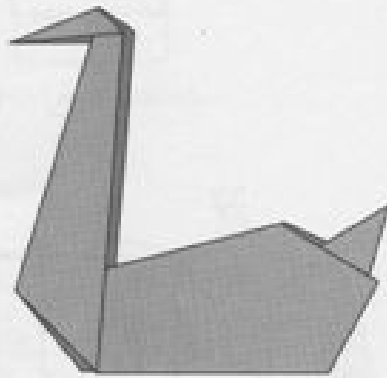
Refold and put the collar on front.

37

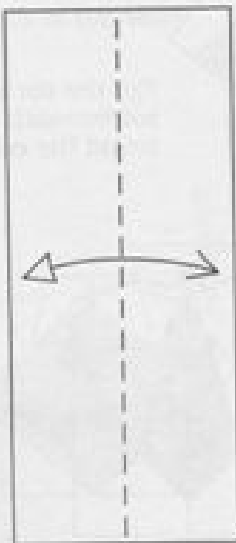


Shirt with Tie (2)

SWAN

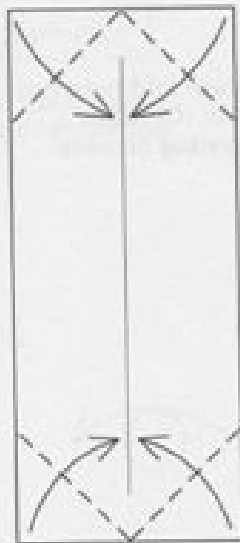


1



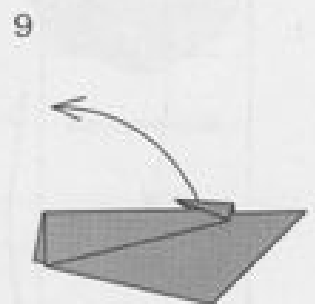
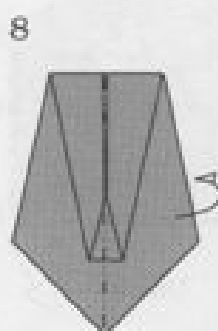
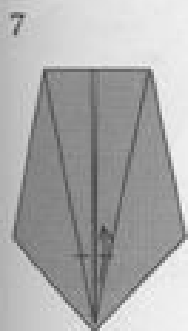
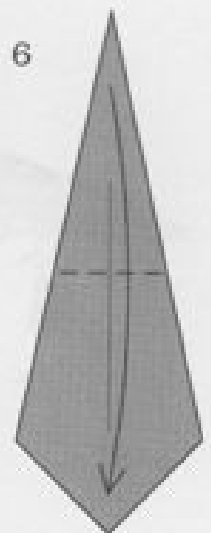
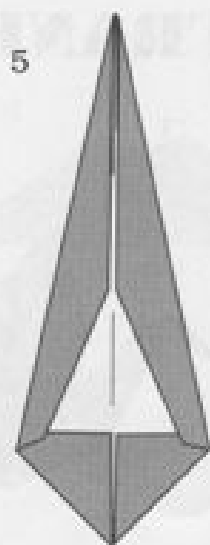
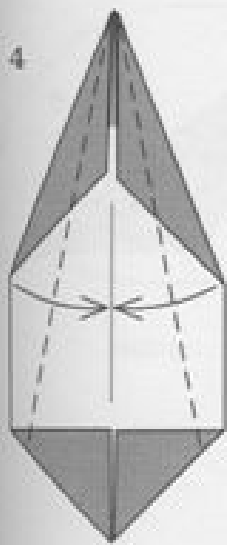
Fold and unfold.

2

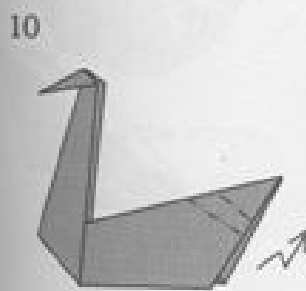


3

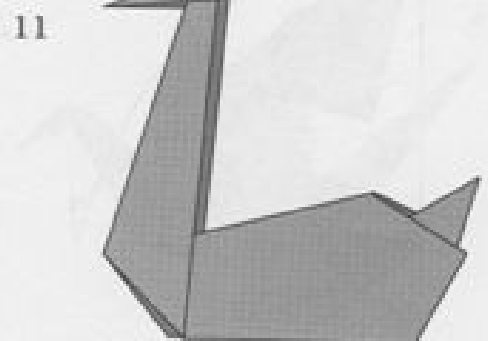




Slide the neck
and head.

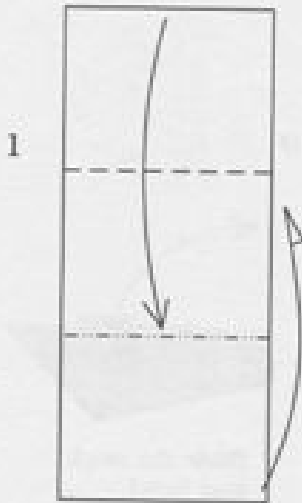
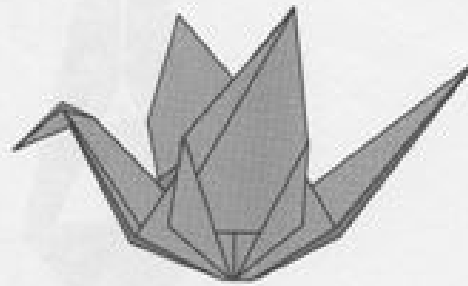


Crimp-fold the tail.

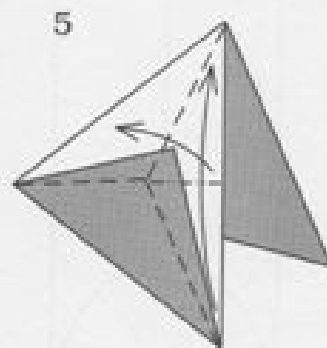
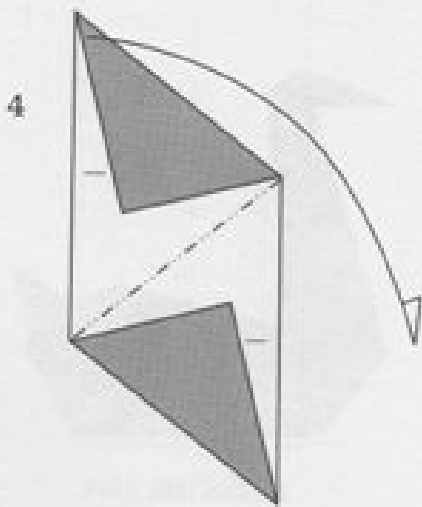
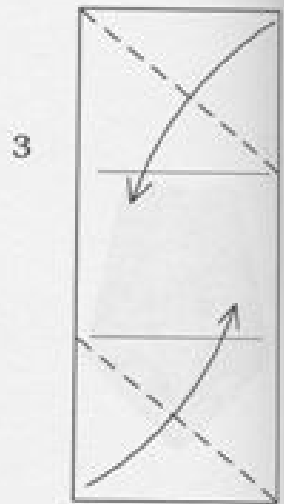
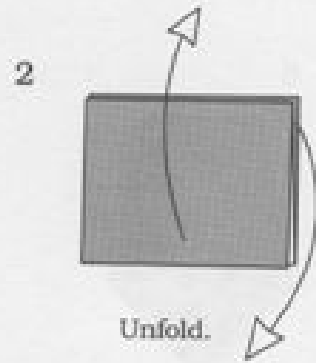


Swan

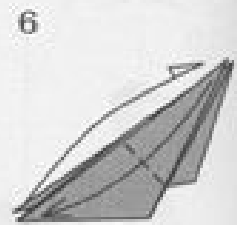
CRANE

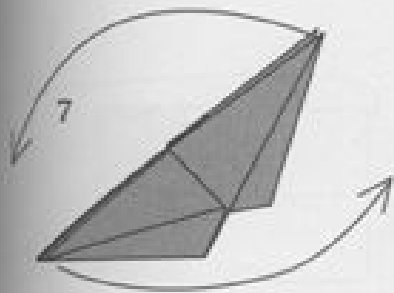


Fold in thirds.

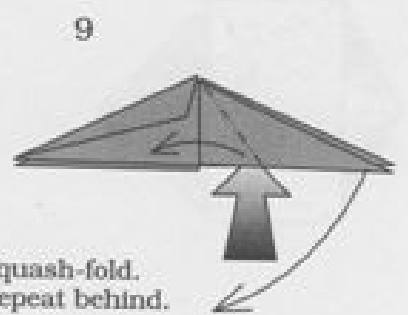
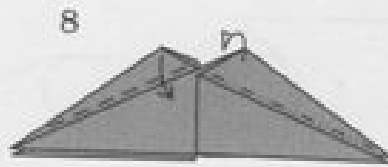


Rabbit-ear.
Repeat behind.

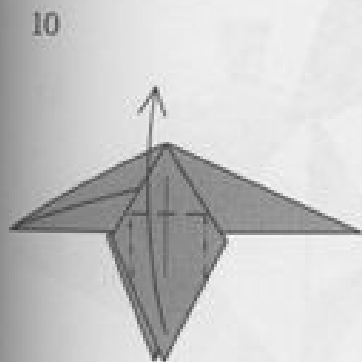




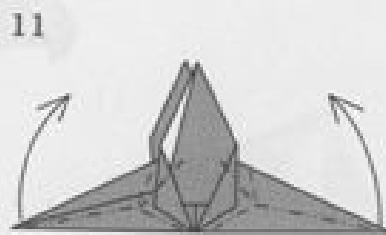
Rotate.



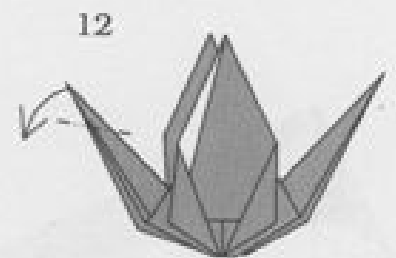
Squash-fold.
Repeat behind.



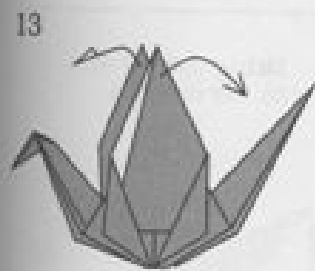
Petal-fold.
Repeat behind.



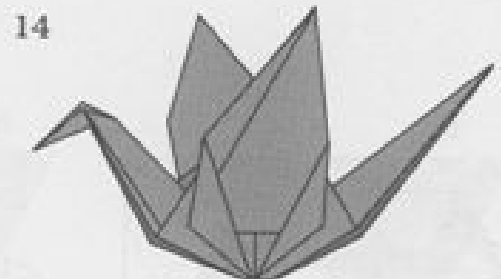
Double-rabbit ears.



Reverse-fold.

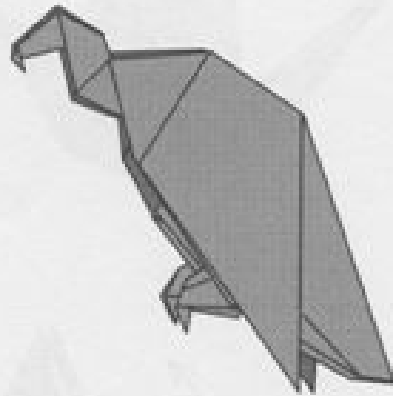


Spread the wings.

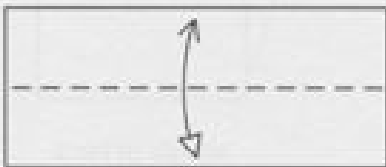


Crane

VULTURE



1



Fold and unfold.

2



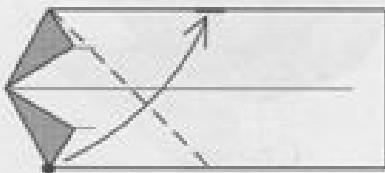
Fold and unfold.

3

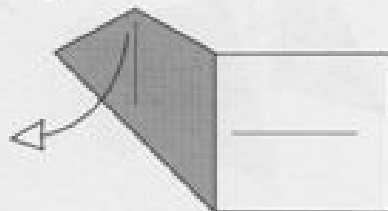


Bring the corners to the creases.

4

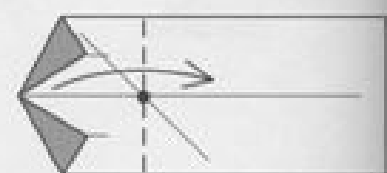


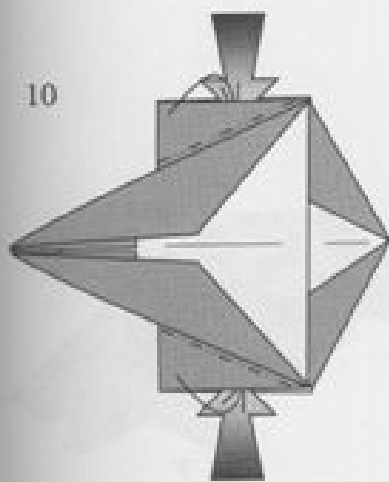
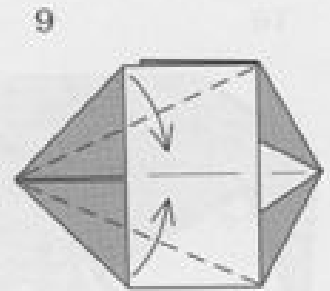
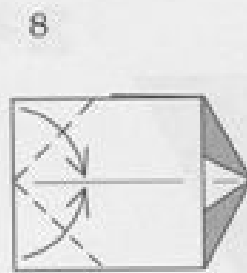
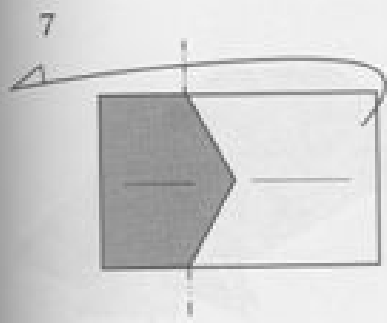
5



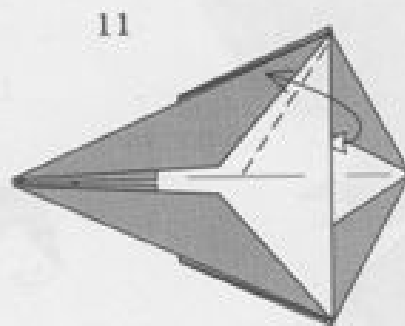
Unfold.

6

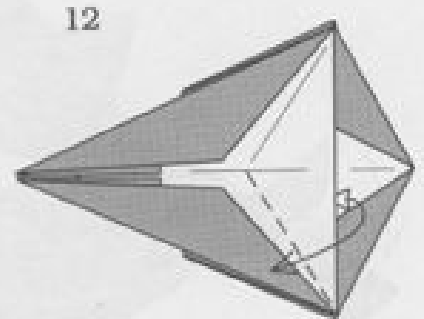




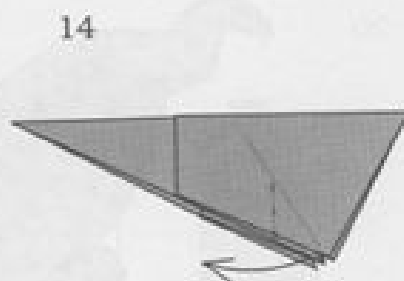
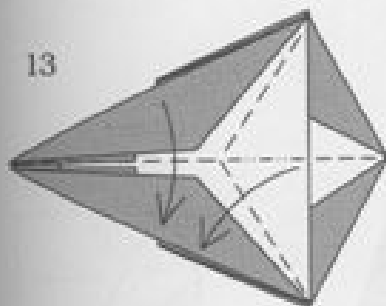
Reverse folds.



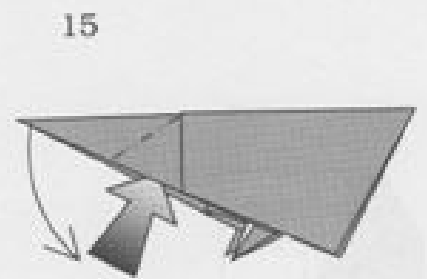
Fold and unfold.



Fold and unfold.

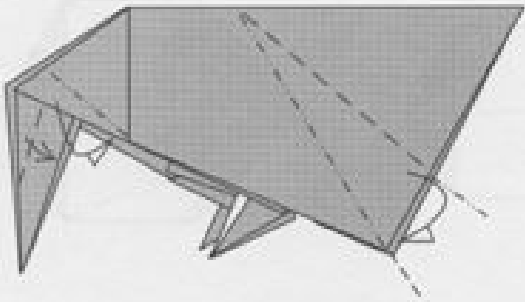


Reverse-fold the leg.
Repeat behind.



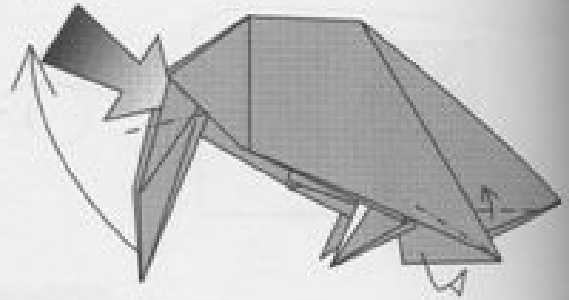
Reverse-fold.

16



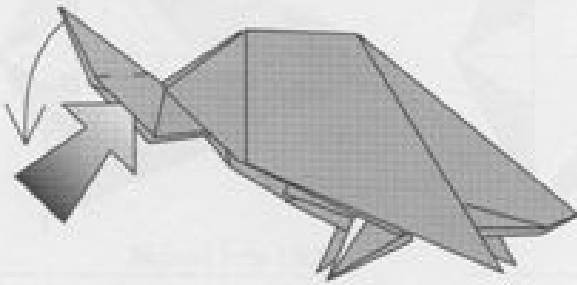
Fold inside at the neck
and repeat behind.
Crimp-fold the tail.

17



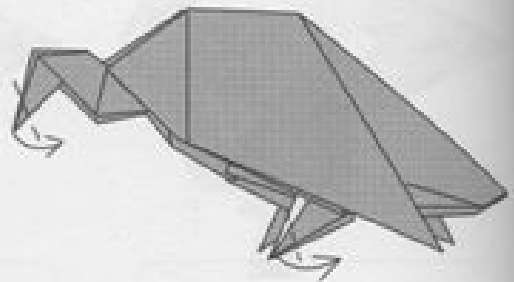
Reverse-fold the neck.
Push in by the wing and
tail. Repeat behind.

18



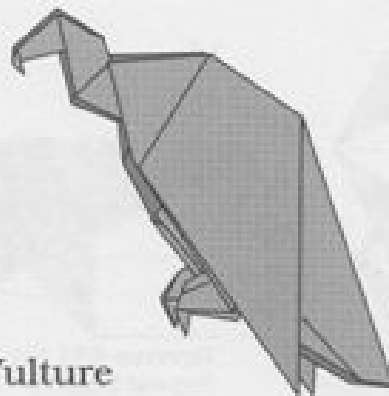
Reverse-fold.

19



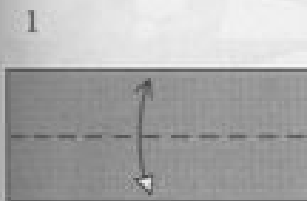
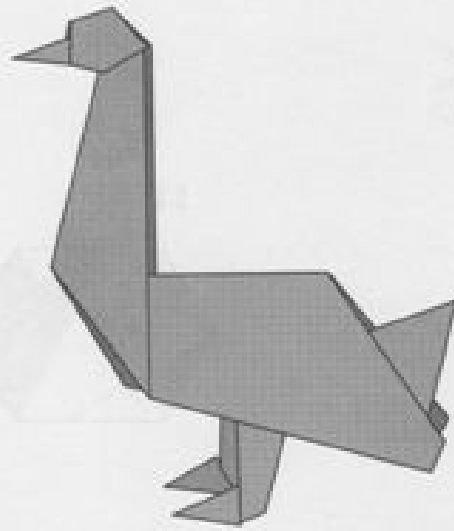
Outside-reverse-fold the
beak and reverse-fold
the feet. Repeat behind.

20

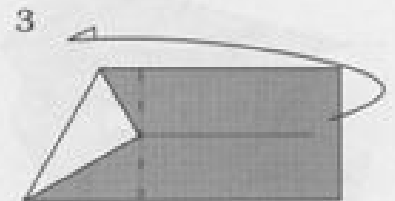
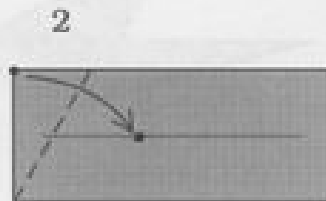


Vulture

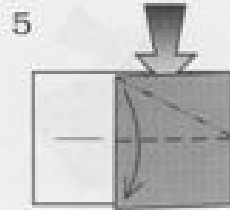
GOOSE



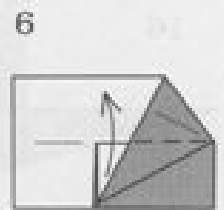
Fold and unfold.



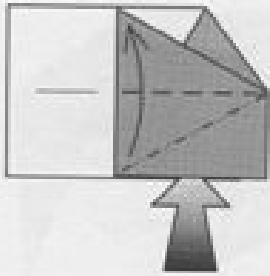
Unfold.



Squash-fold.

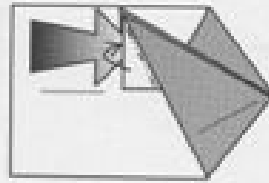


7



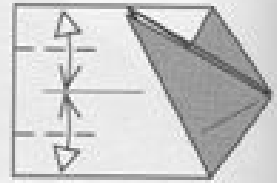
Squash-fold.

8



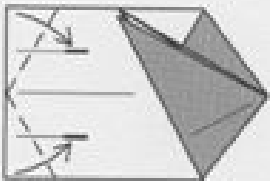
Reverse-fold.

9

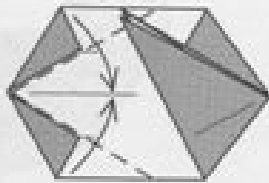


Fold and unfold.

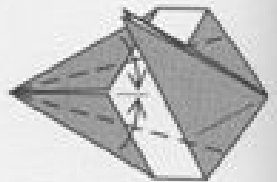
10



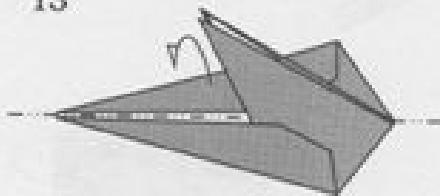
11



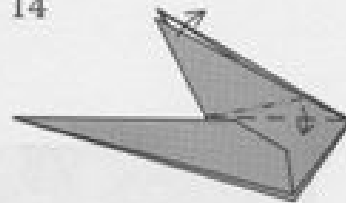
12



13

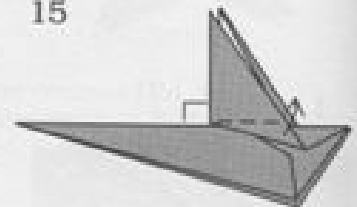


14



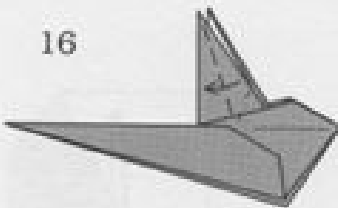
Crimp-fold.

15



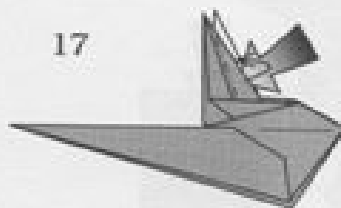
Note the right angle.
Repeat behind.

16



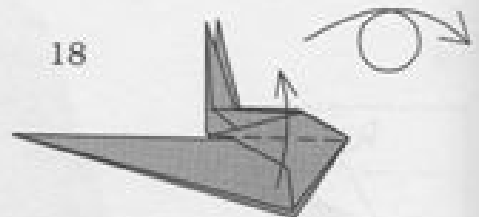
Squash-fold.
Repeat behind.

17



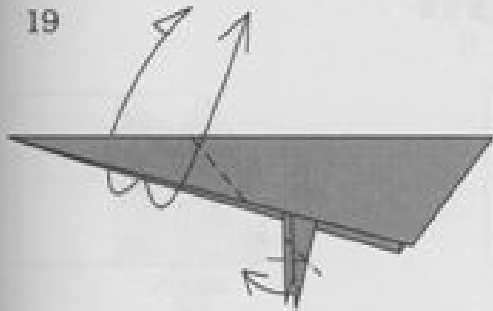
Reverse-fold.
Repeat behind.

18



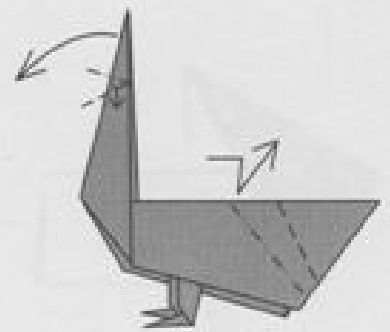
Repeat behind.

19



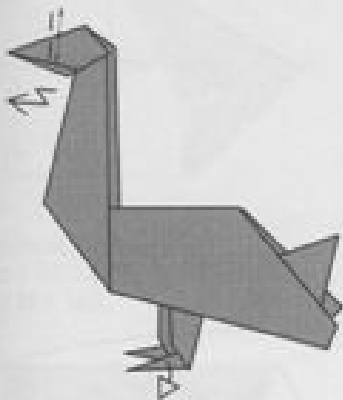
Outside-reverse-fold the neck and crimp-fold the feet. Repeat behind.

20



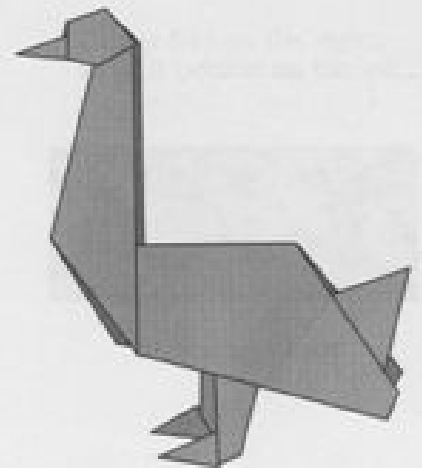
Outside-reverse-fold and open the head. Crimp-fold the tail.

21



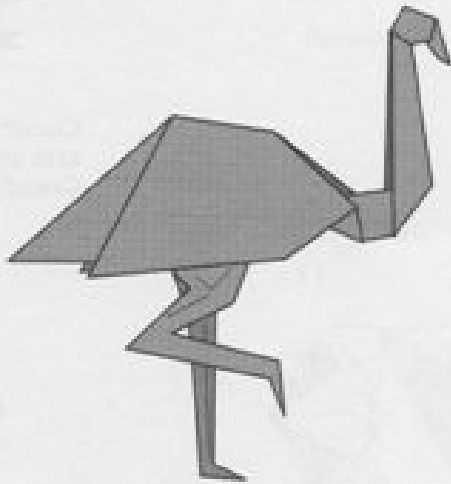
Crimp-fold the beak and open the feet. Repeat behind.

22

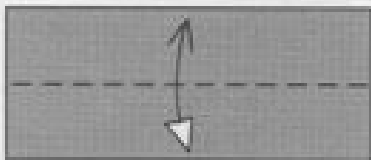


Goose

FLAMINGO

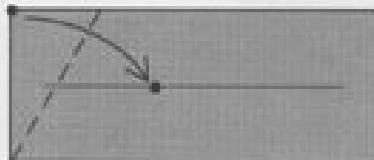


1

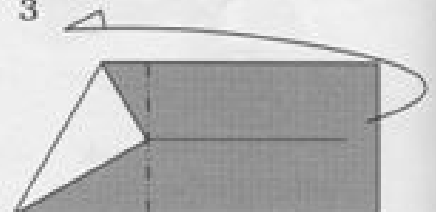


Fold and unfold.

2



3

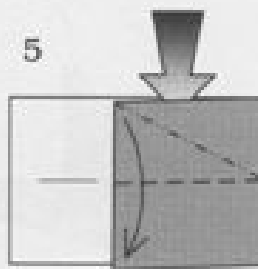


4



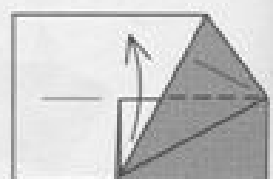
Unfold.

5

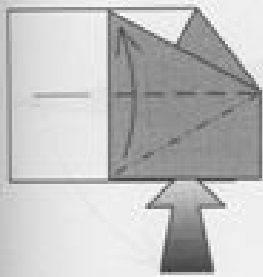


Squash-fold.

6

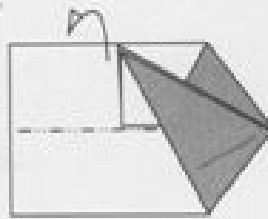


7



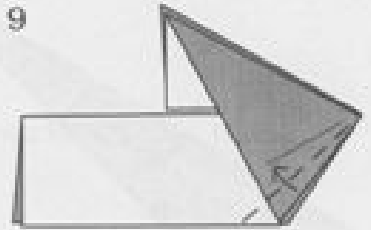
Squash-fold.

8



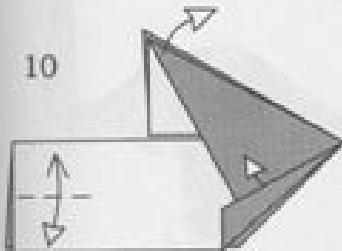
Reverse-fold.

9



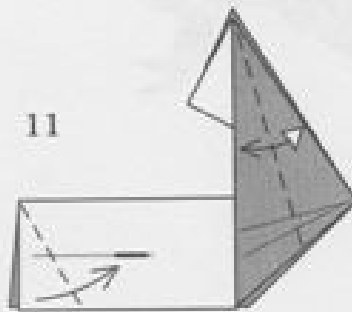
Repeat behind.

10



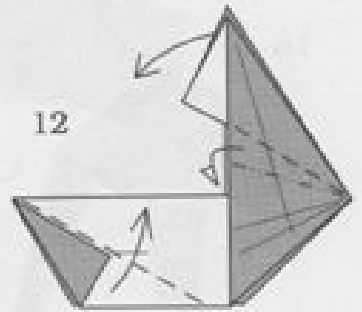
Unlock on the right and fold and unfold on the left.

11



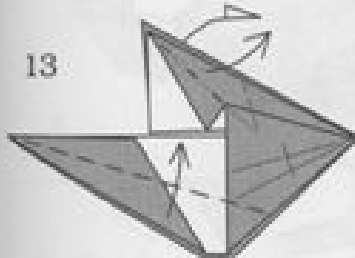
Fold and unfold all the layers together on the right. Repeat behind on the left.

12



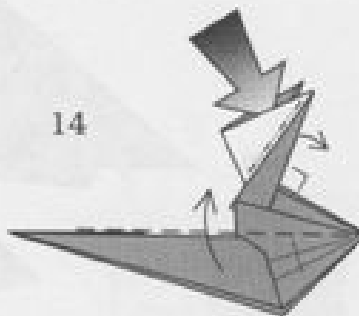
Crimp-fold on the right. Repeat behind on the left.

13



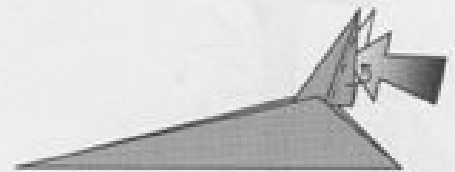
Crimp-fold at the top. Repeat behind on the left.

14



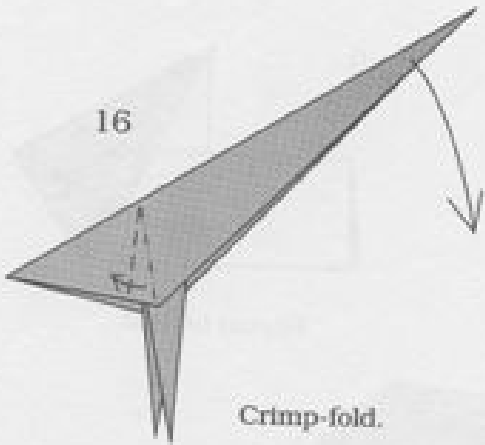
Note the right angle. Reverse-fold at the top. Repeat behind at the bottom.

15



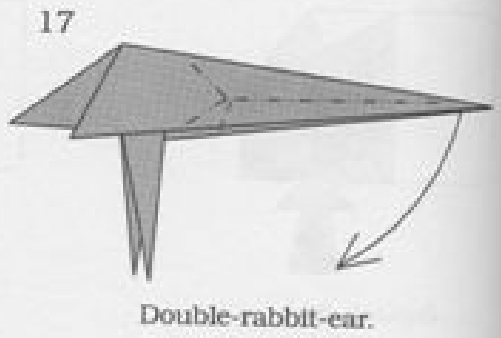
Reverse-fold and rotate.

FLAMINGO



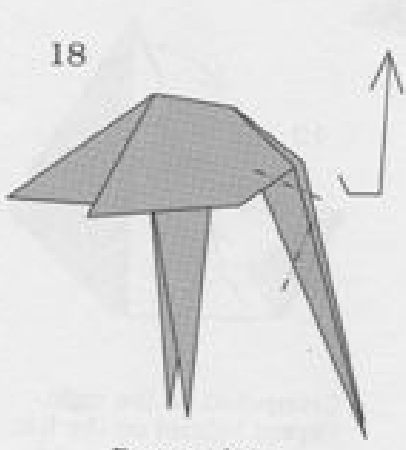
16

Crimp-fold.



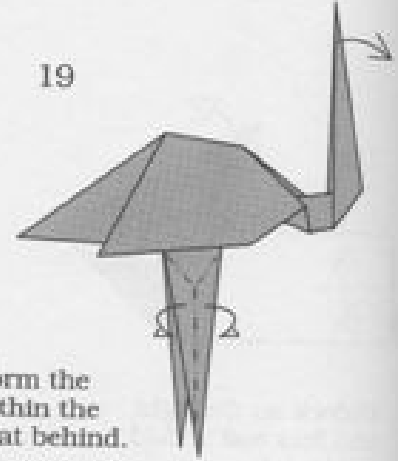
17

Double-rabbit-ear.



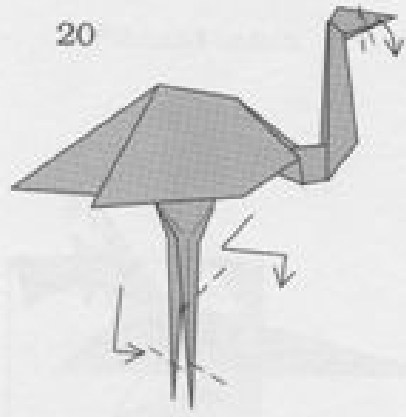
18

Reverse folds.



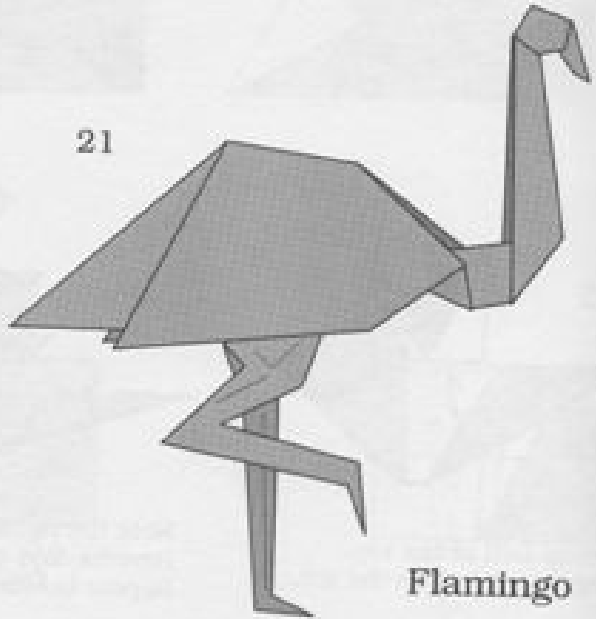
19

Open to form the head and thin the legs. Repeat behind.



20

Crimp-fold the beak and shape the legs.

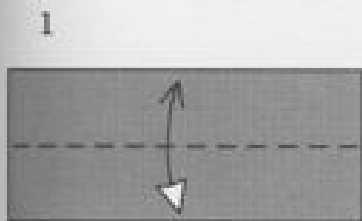
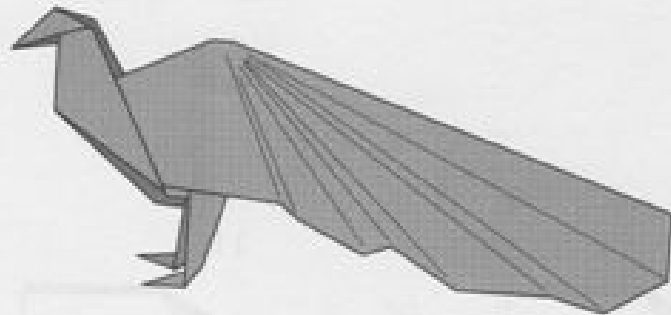


21

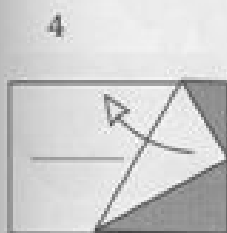
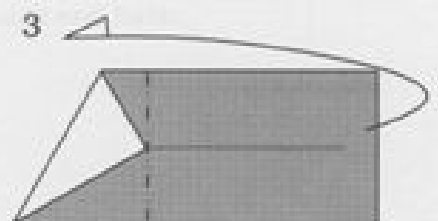
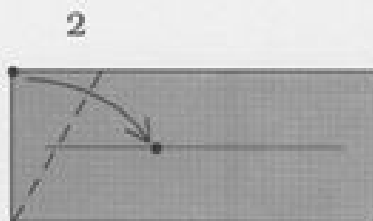
Flamingo

PEACOCK

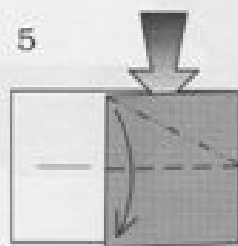
Designed by Robert J. Lang



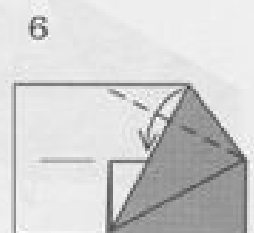
Fold and unfold.

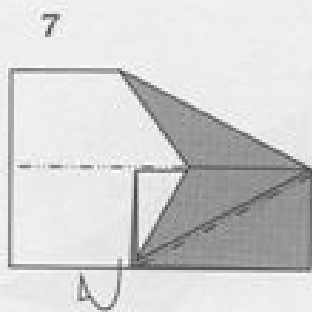


Unfold.

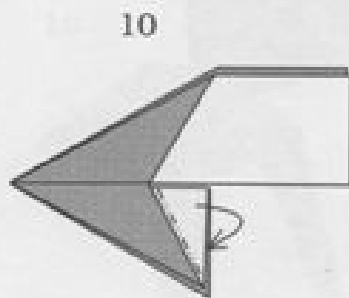
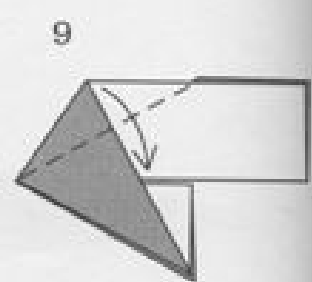
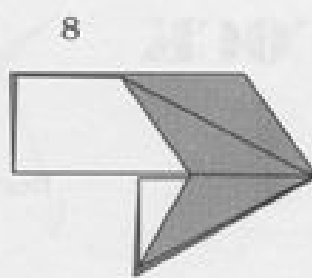


Squash-fold.

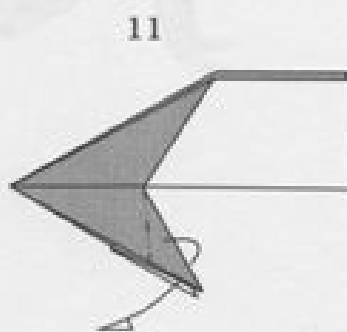




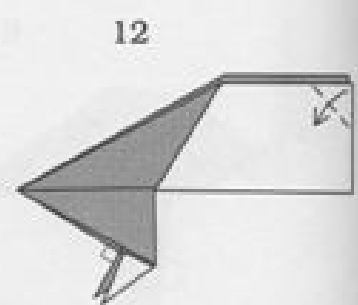
Squash-fold.



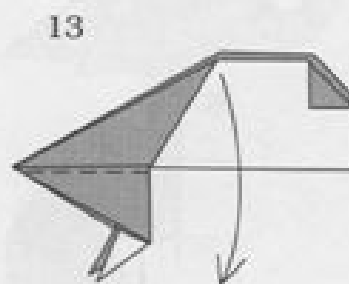
Reverse-fold.



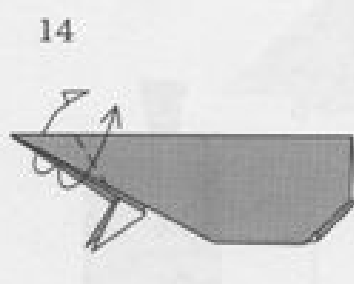
Repeat behind.



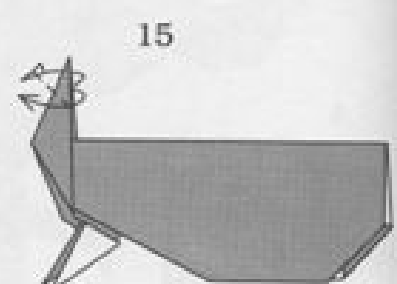
Note the right angle by the legs. Repeat behind.



Repeat behind.

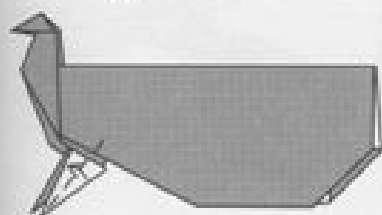


Outside-reverse-fold.



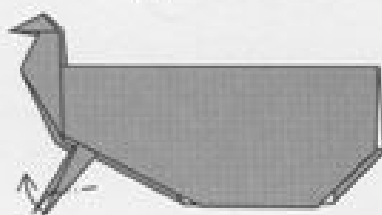
Outside-reverse-fold.

16



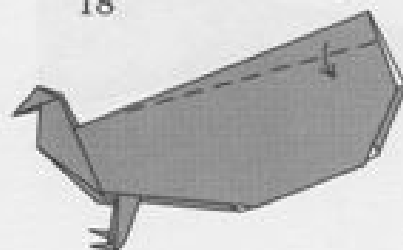
Repeat behind.

17

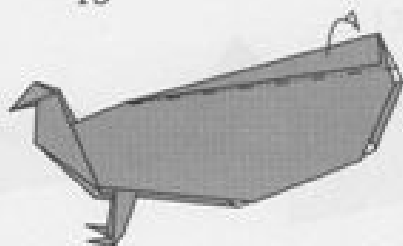


Reverse-fold.
Repeat behind.

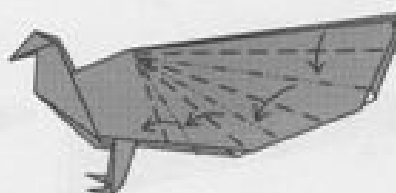
18



19

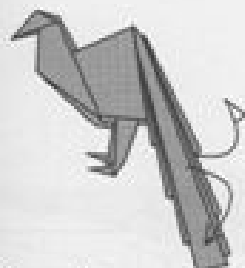


20



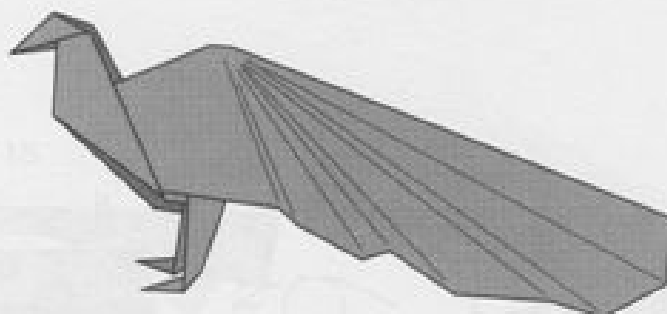
Continue folding
back and forth.

21



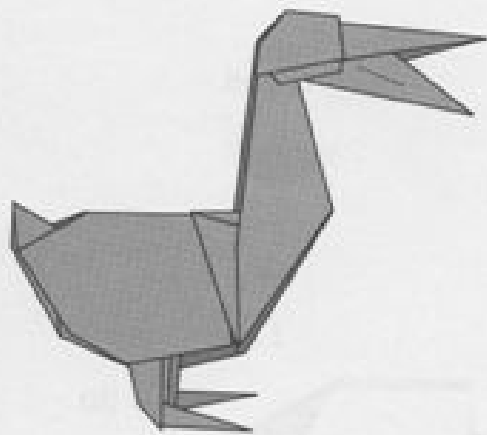
Open the
plumes.

22

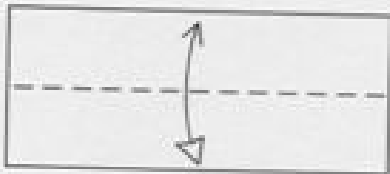


Peacock

PELICAN



1



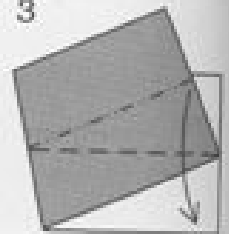
Fold and unfold.

2



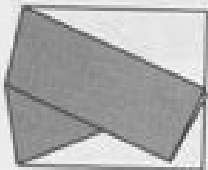
Fold the corner to the center edge.

3

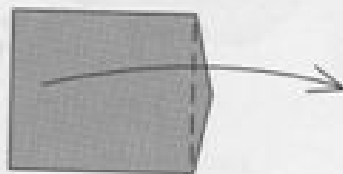


Squash-fold.

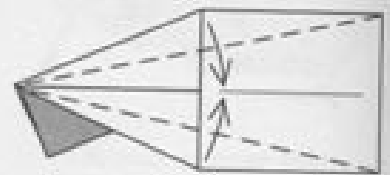
4

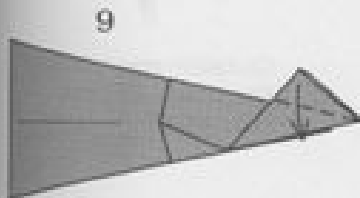
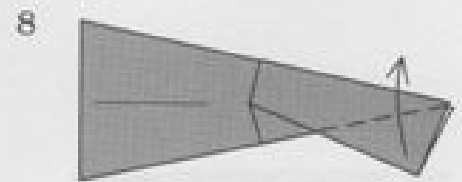
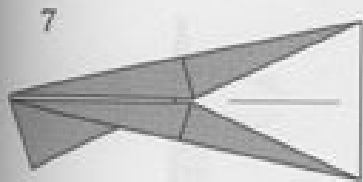


5

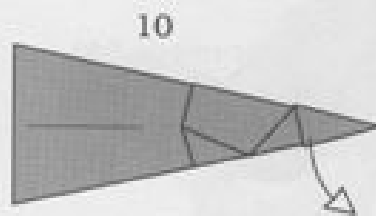


6

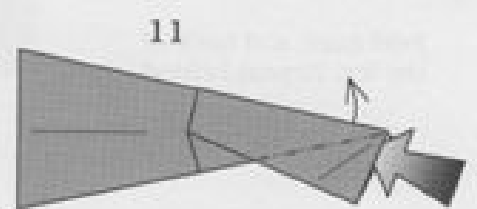




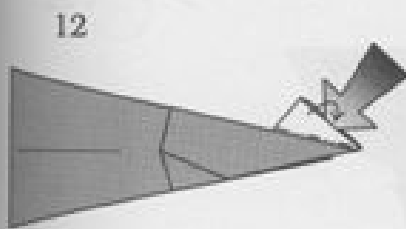
Center as much as possible.



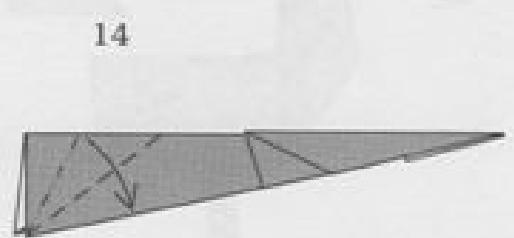
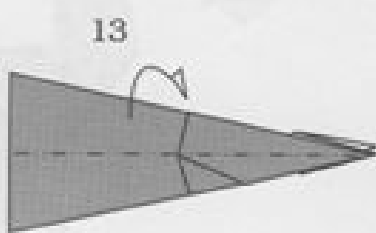
Unfold.



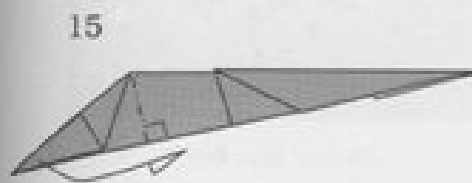
Reverse-fold.



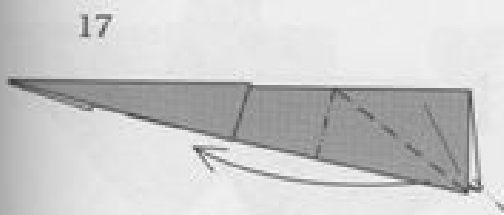
Reverse-fold.



Fold in thirds.



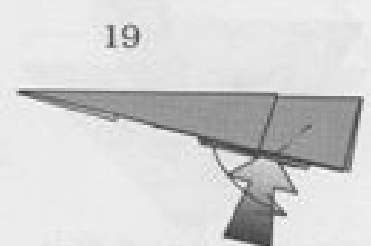
Unfold.



Crimp-fold.



Reverse-fold.



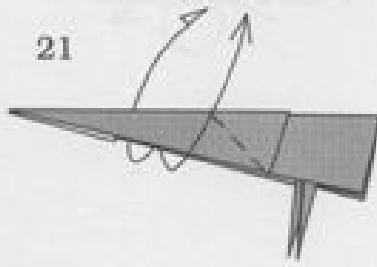
Reverse-fold.
Repeat behind.

20



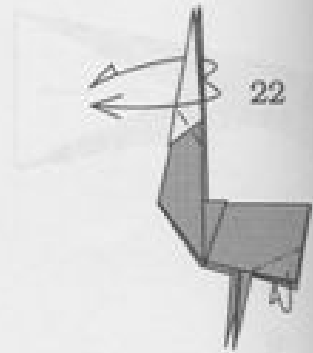
Fold front and back of the leg. Repeat behind.

21



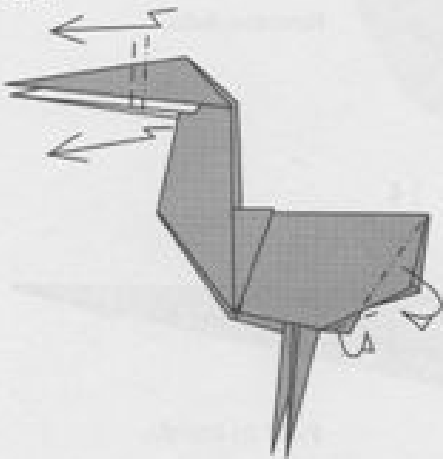
Outside-reverse-fold.

22



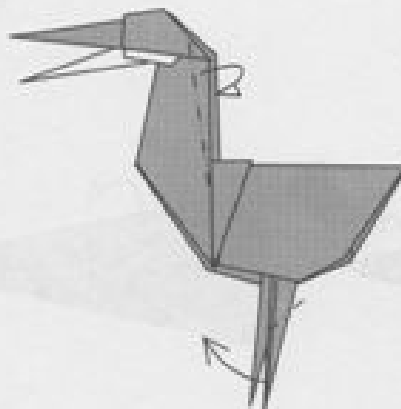
Outside-reverse-fold the head. Repeat behind at the back.

23



Crimp-fold the beak and lower the bottom one. Repeat behind at the back.

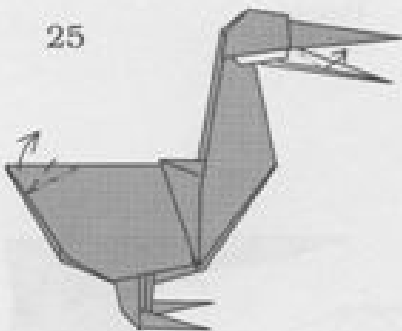
24



Reverse-fold the feet. Repeat behind.

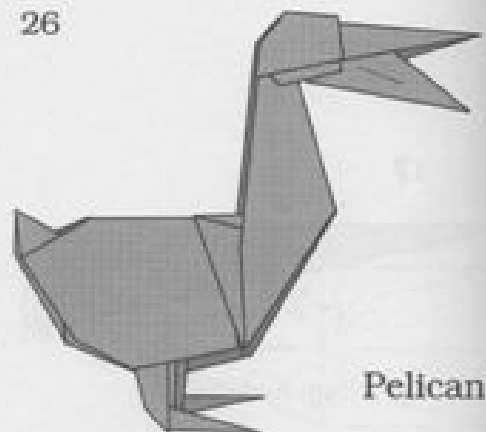


25



Crimp-fold the tail. Slide some paper at the beak.

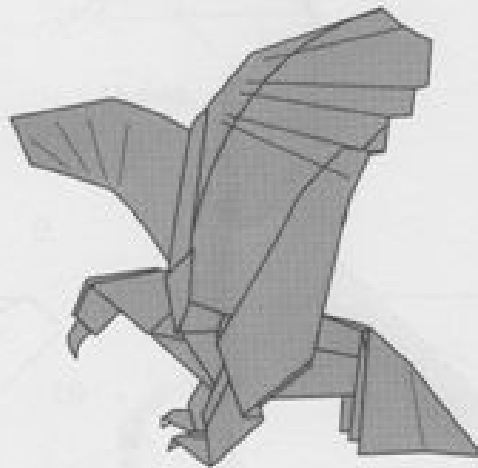
26



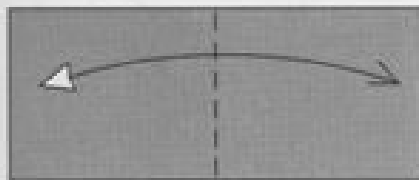
Pelican

EAGLE

Designed by Won Park

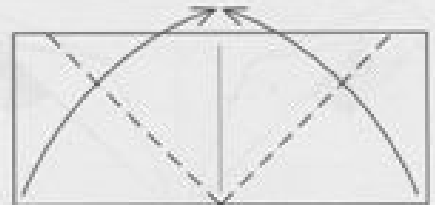


1

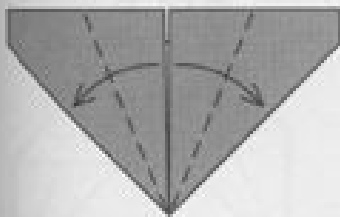


Fold and unfold.

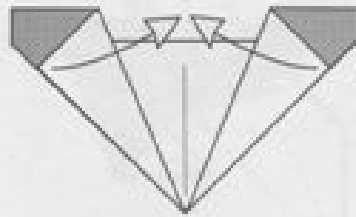
2



3

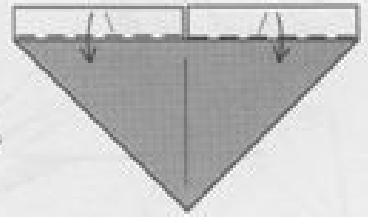


4

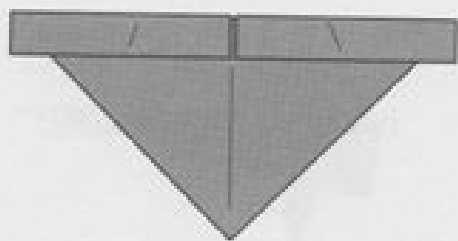


Unfold.

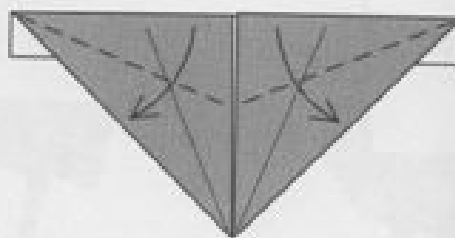
5



6

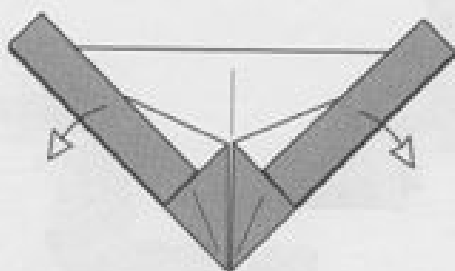


7



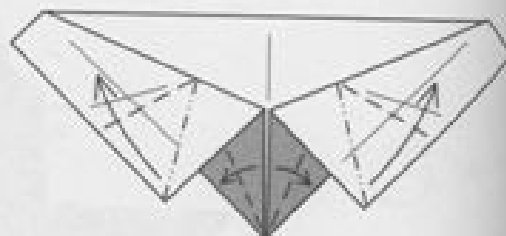
Unlock at the top.

8



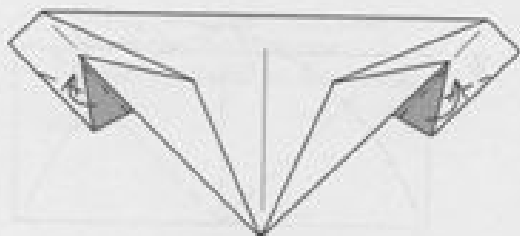
Unfold.

9

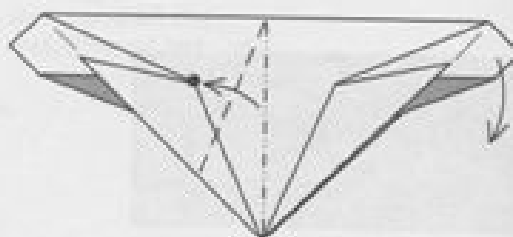


Squash folds.

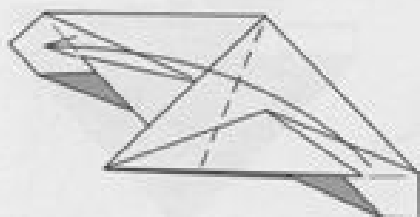
10



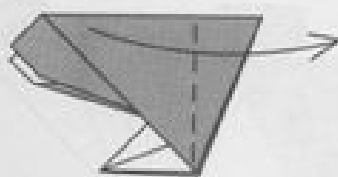
11



12

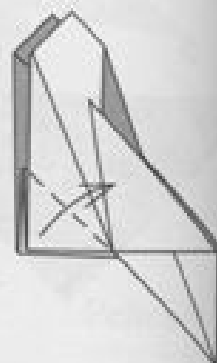


13

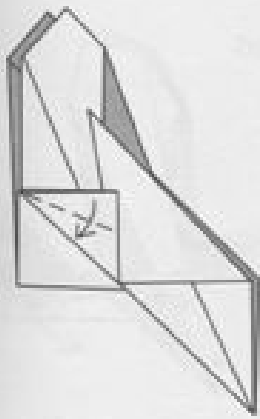


Repeat behind and rotate.

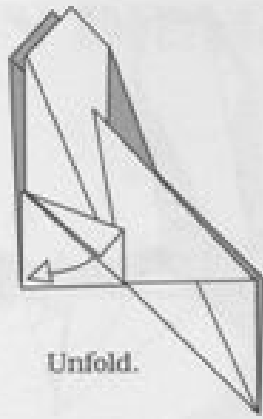
14



15

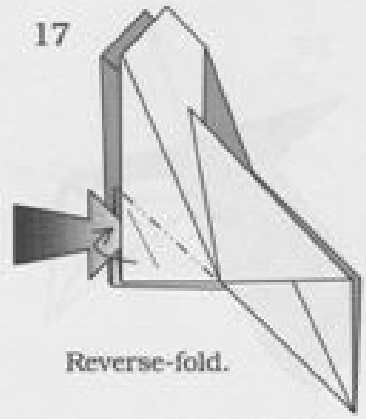


16



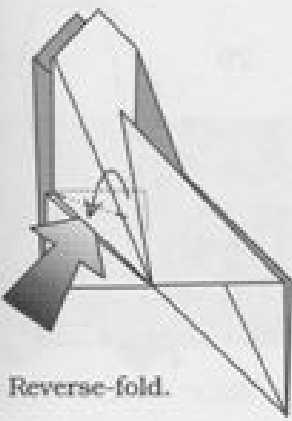
Unfold.

17



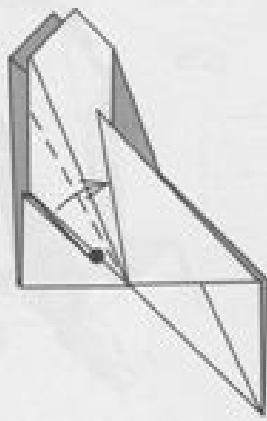
Reverse-fold.

18

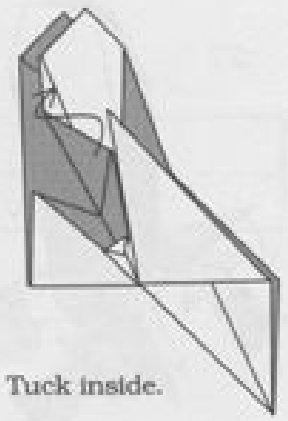


Reverse-fold.

19

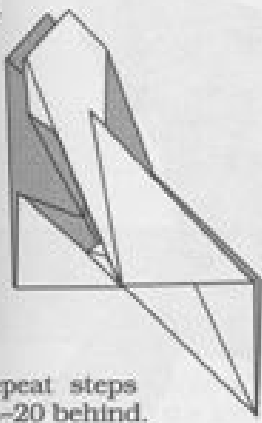


20



Tuck inside.

21



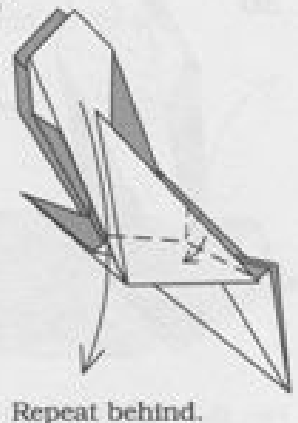
Repeat steps 14-20 behind.

22



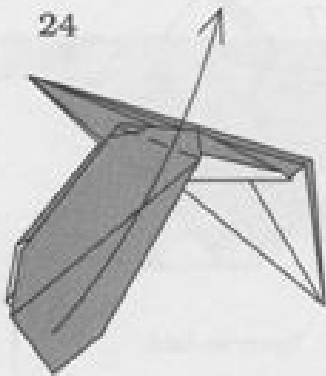
Slide up on both sides.

23



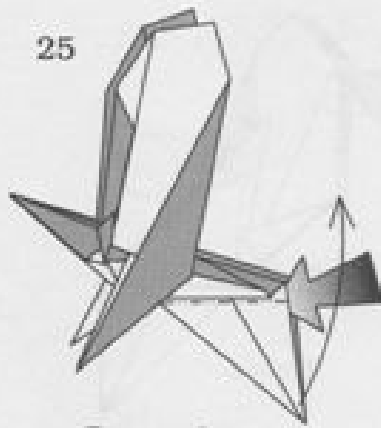
Repeat behind.

24



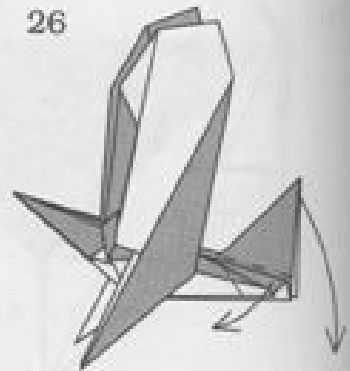
Fold the wings up but keep the legs down. Repeat behind.

25



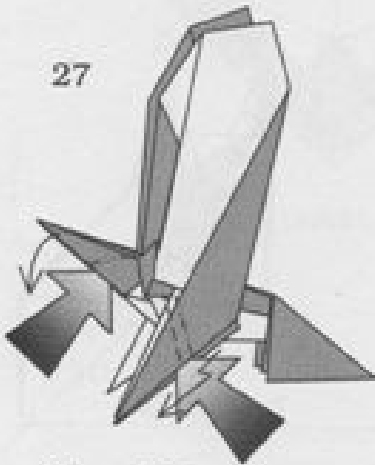
Reverse-fold.

26



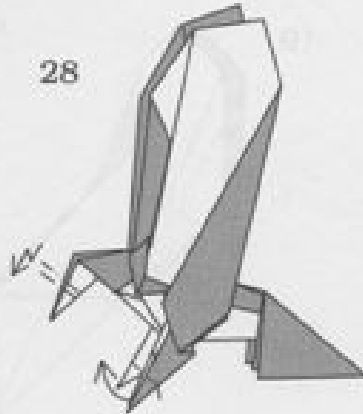
Crimp-fold.

27



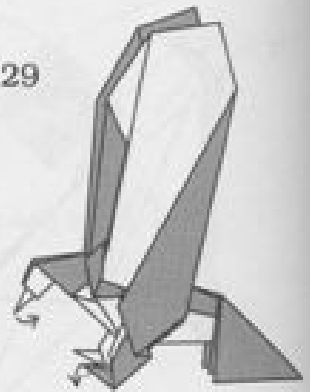
Crimp-fold the leg and repeat behind. Reverse-fold the head.

28



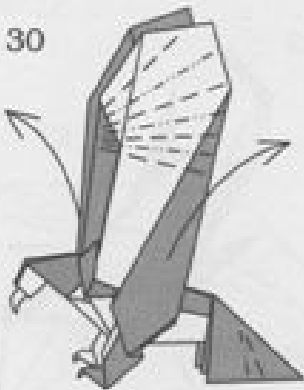
Crimp-fold the leg and beak. Repeat behind.

29



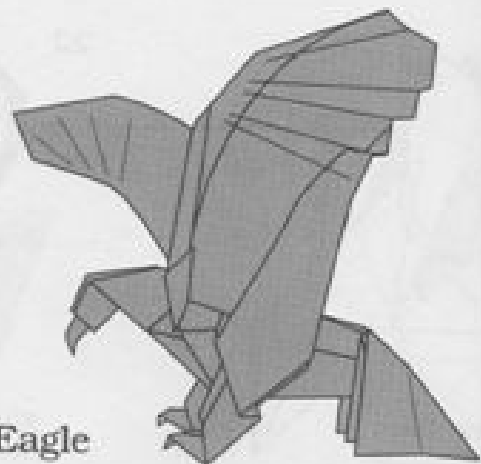
Reverse-fold the feet and curl the beak. Repeat behind.

30



Fan the wings and tail.

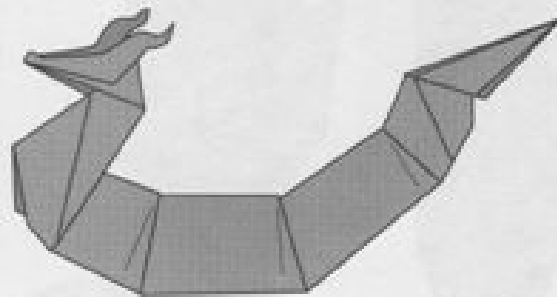
31



Eagle

ASIAN DRAGON

Designed by Gay Merrill Gross



1



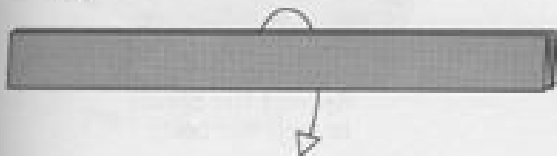
Begin with the "ONE" on the front.

2



Repeat behind.

3



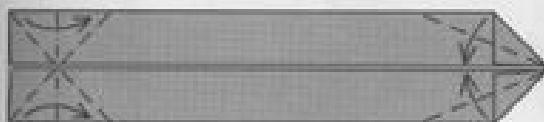
Unfold from behind.

4



Fold and unfold on the left.

5

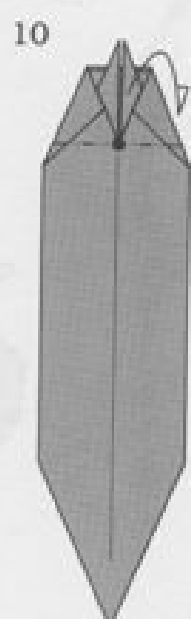
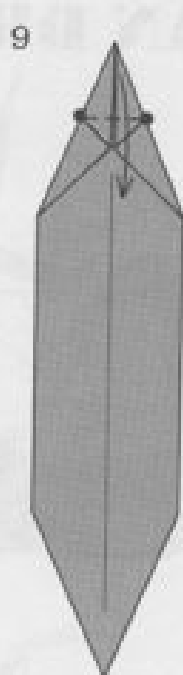
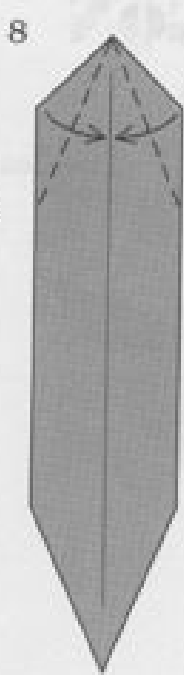
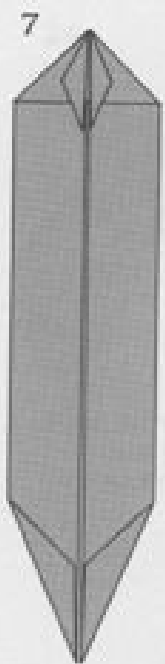


Collapse into a Waterbomb Base on the left.

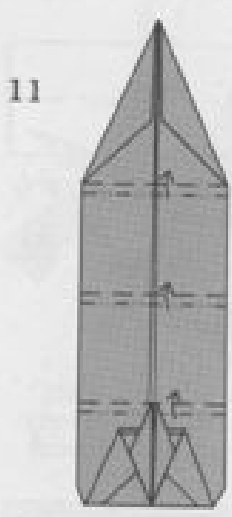
6



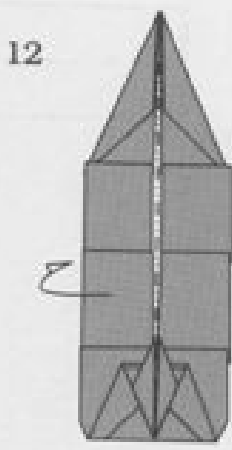
Fold two rabbit ears on the left.



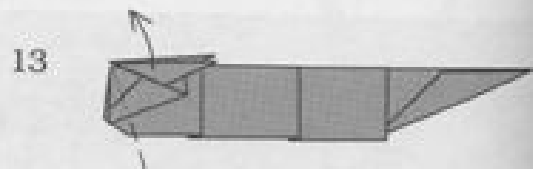
Turn over and rotate.



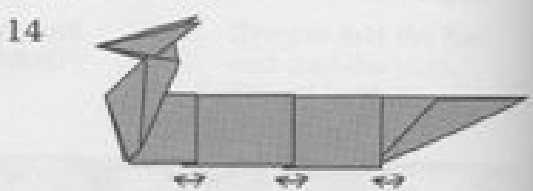
Make three small pleat folds.



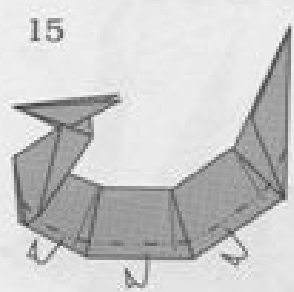
Fold in half and rotate.



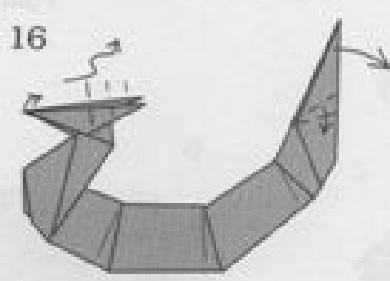
Slide the neck and head into place.



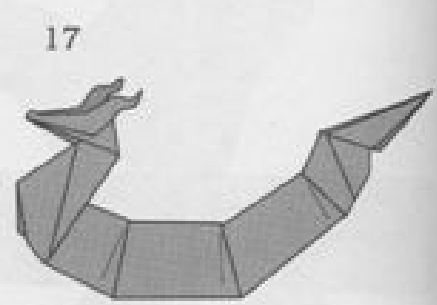
Spread the pleats to curl the body.



This is more of a rounding inward than mountain folds. Repeat behind.

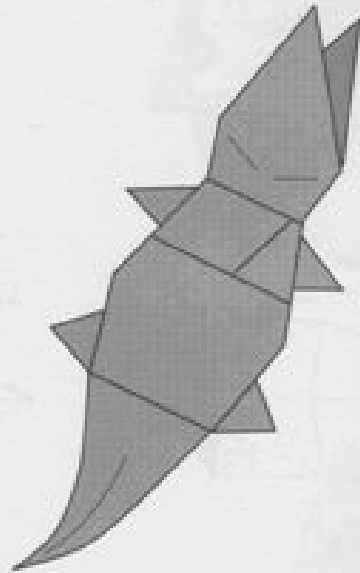


Shape the nose a little by mashing the tip on the table. Pleat the horns and crimp-fold the tail.

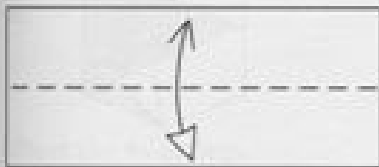


Asian Dragon

ALLIGATOR



1



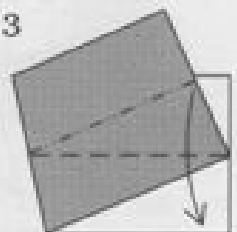
Fold and unfold.

2



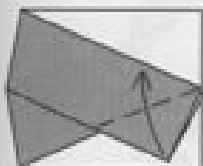
Fold the corner to the center edge.

3



Squash-fold.

4



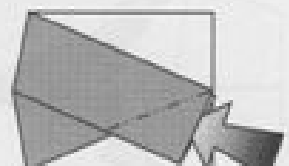
Center as much as possible.

5

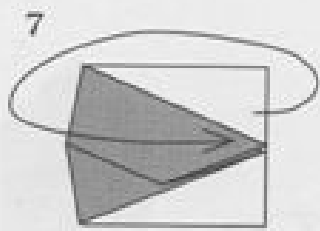


Unfold.

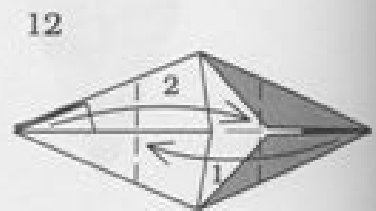
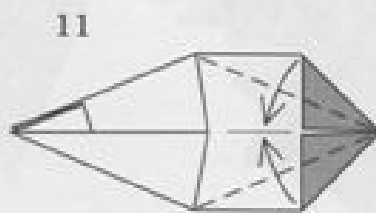
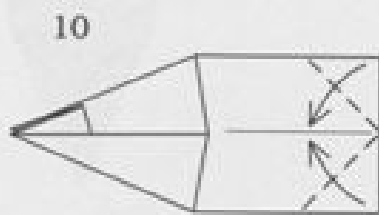
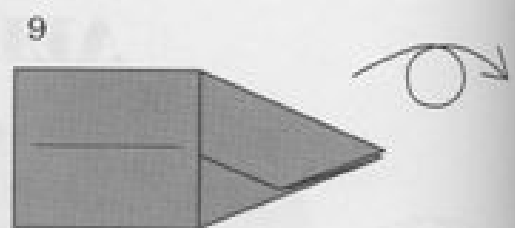
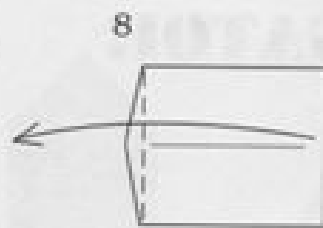
6



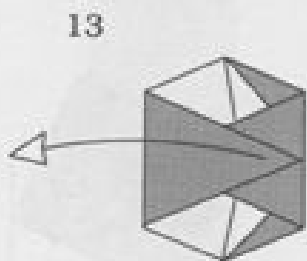
Reverse-fold.



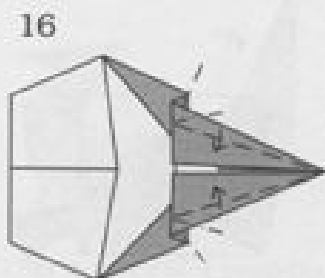
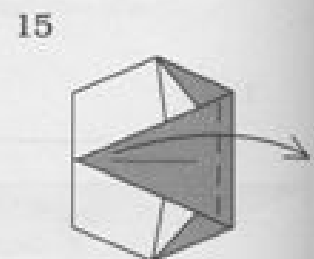
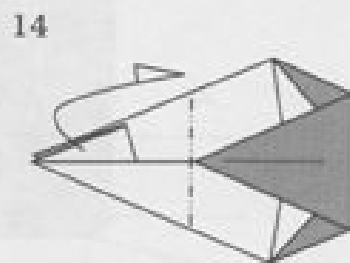
Wrap the paper in back all the way to the front.



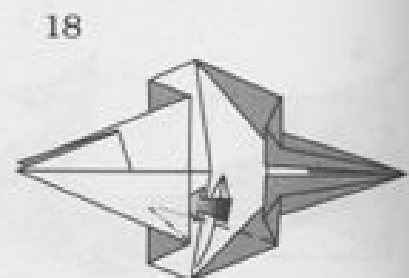
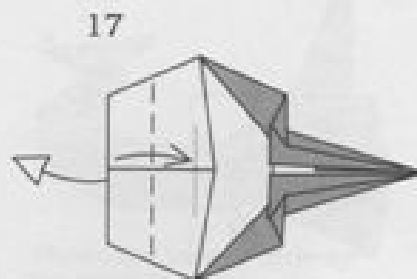
Divide in thirds.



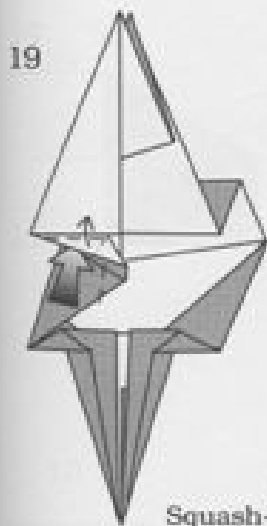
Unfold.



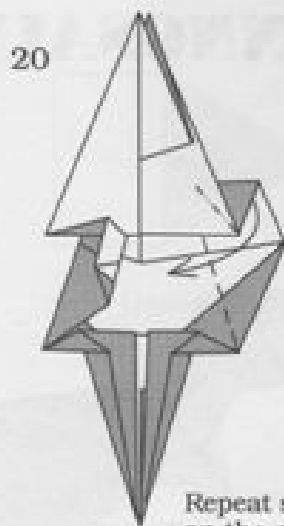
Make thin squash folds.



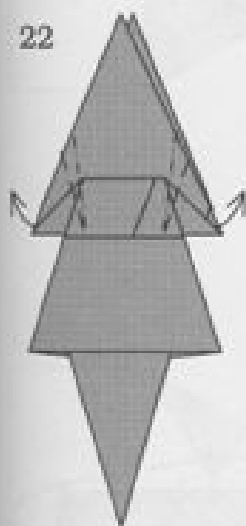
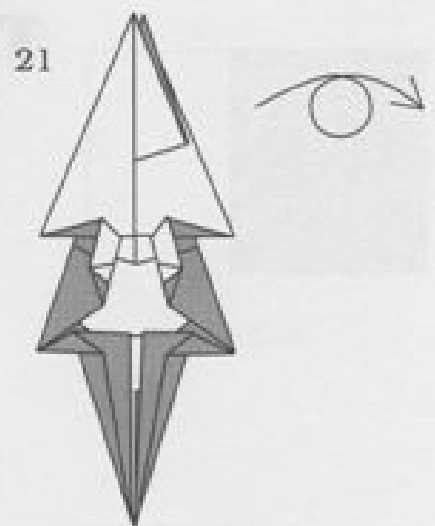
Fold inside and rotate.



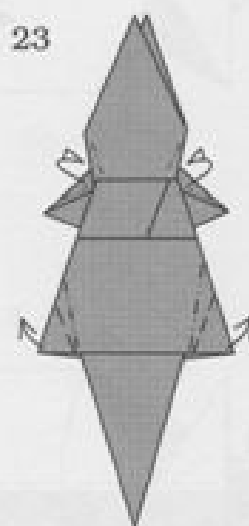
Squash-fold.



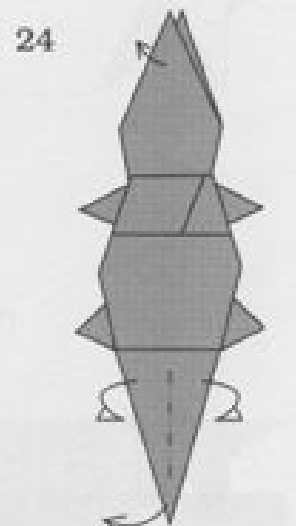
Repeat steps 18-19
on the right.



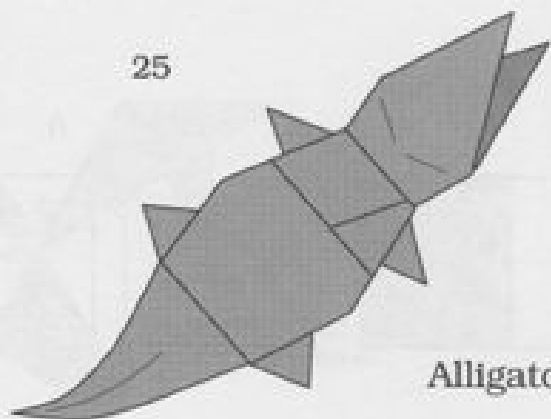
Pleat the front legs.



Squash-fold the front legs
and pleat the hind legs.

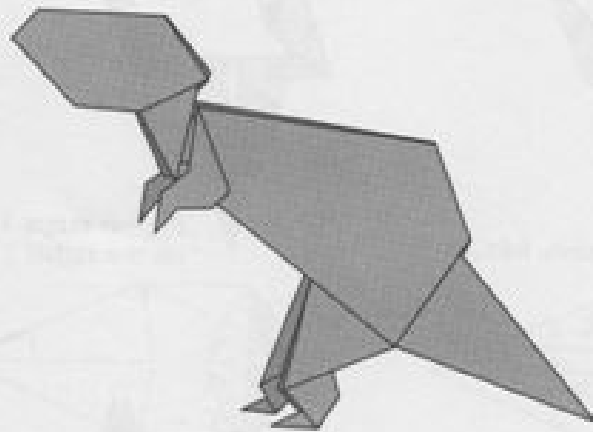


Curl the tail and
open the head.

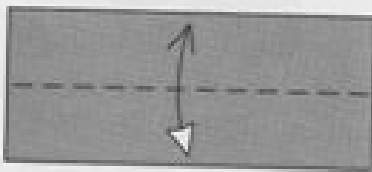


Alligator

TYRANNOSAURUS

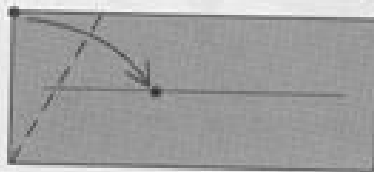


1

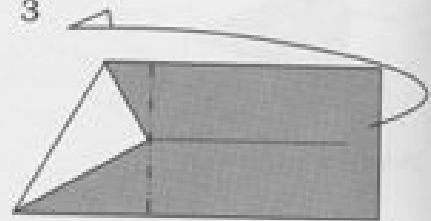


Fold and unfold.

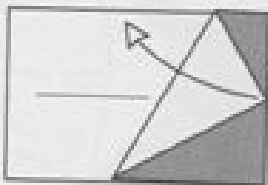
2



3

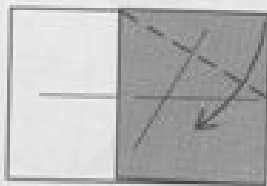


4

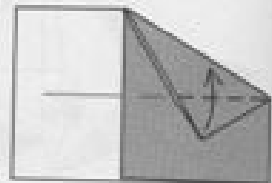


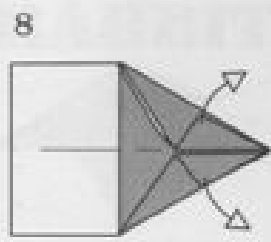
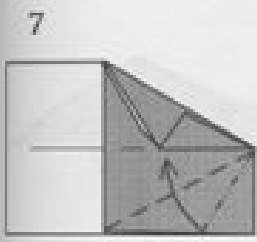
Unfold.

5

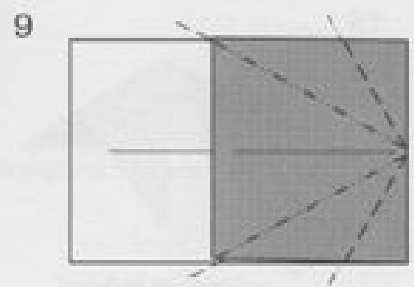


6

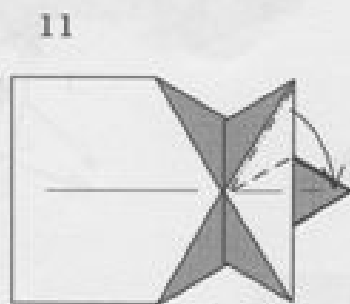
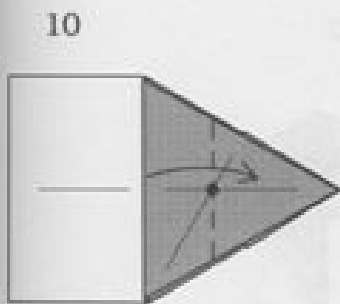




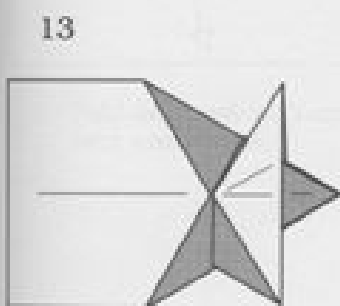
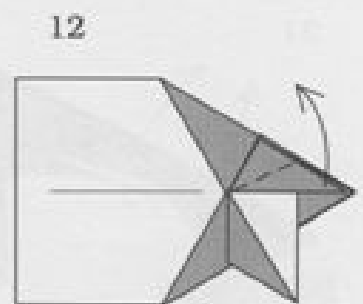
Unfold.



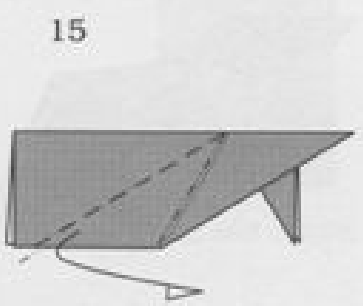
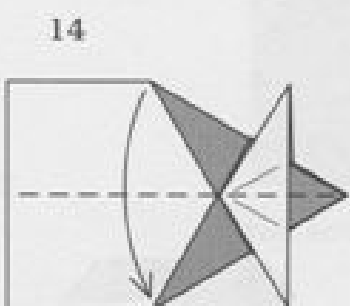
Reverse folds.



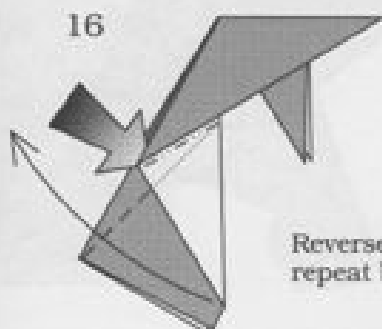
Squash-fold.



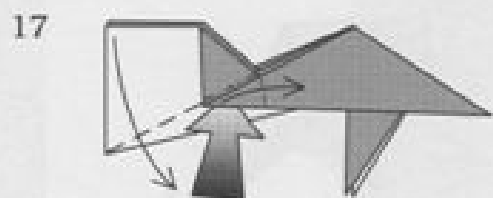
Repeat steps 11-12 below.



Reverse folds.

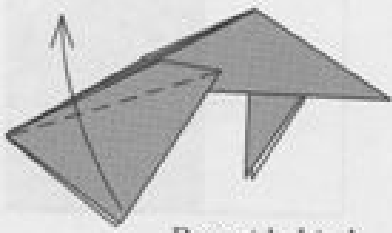


Reverse-fold,
repeat behind.



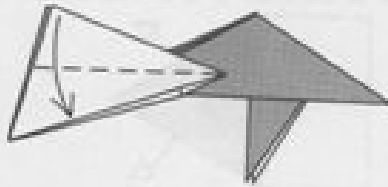
Squash-fold,
repeat behind.

18



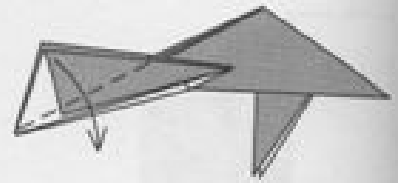
Repeat behind.

19



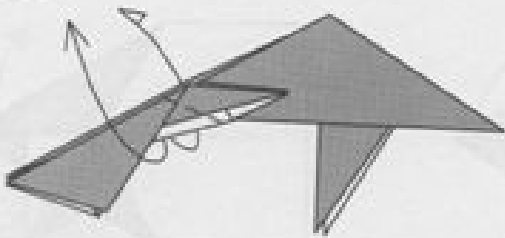
Repeat behind.

20



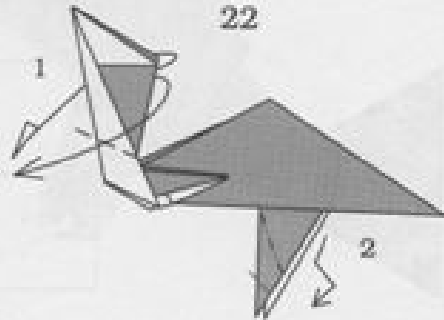
Repeat behind.

21



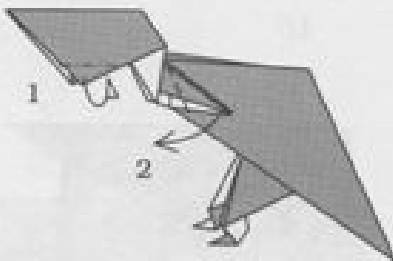
Outside-reverse-fold.

22



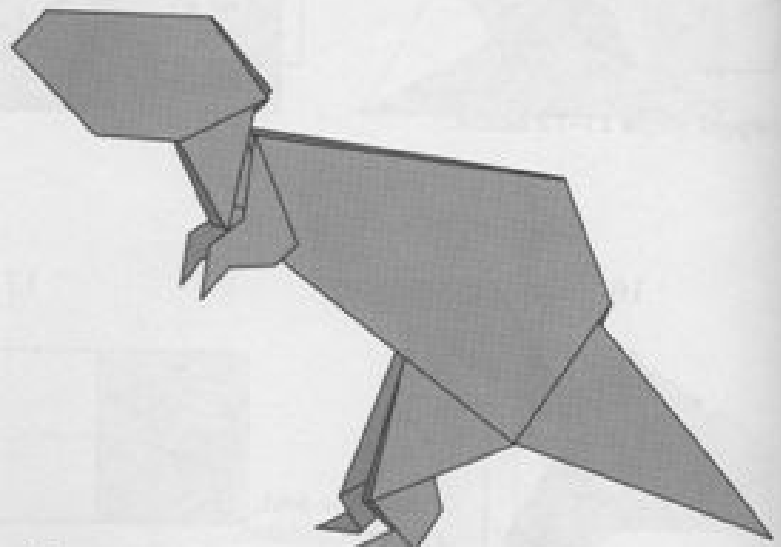
1. Outside-reverse-fold.
2. Reverse folds.
Repeat behind.

23



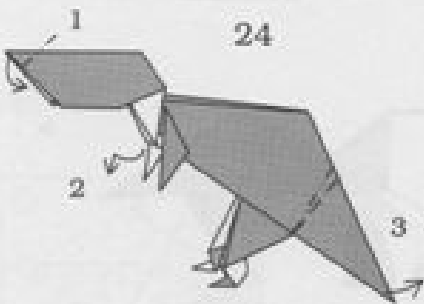
Repeat behind.

25



Tyrannosaurus

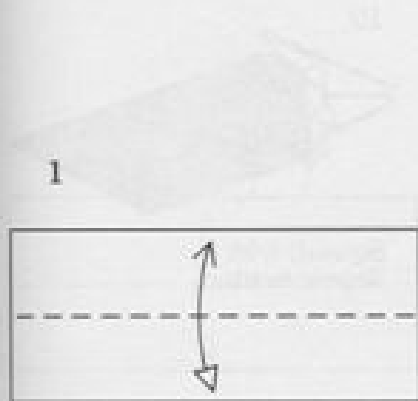
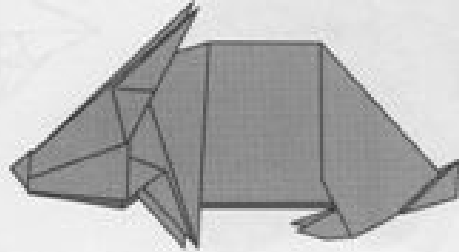
24



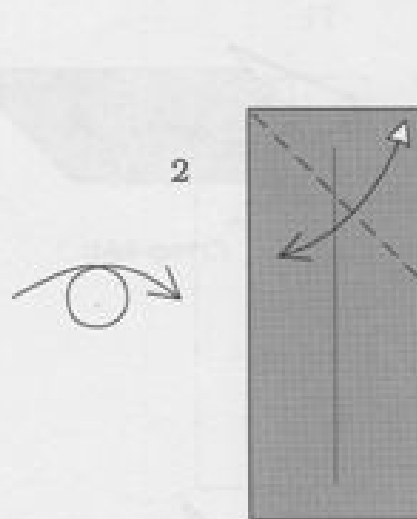
1. Reverse-fold.
2. Shape the arms.
3. Crimp-fold.

RABBIT

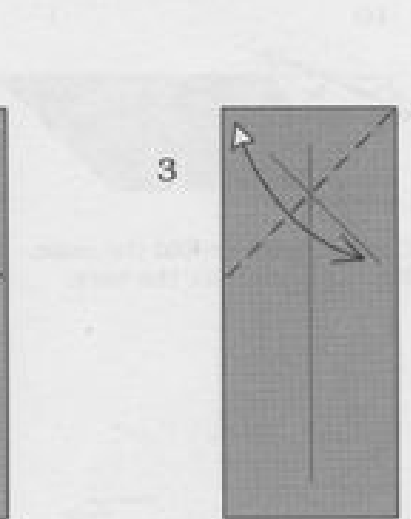
Designed by Peter Farina



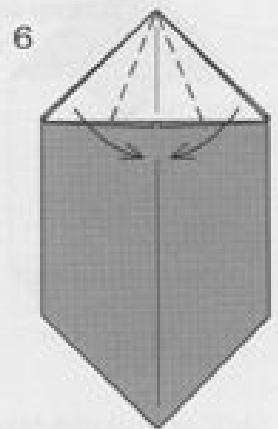
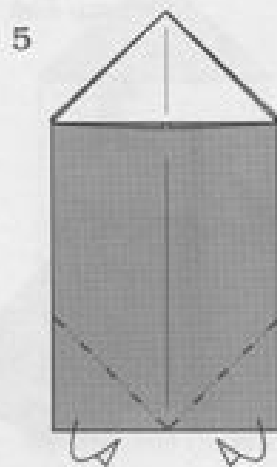
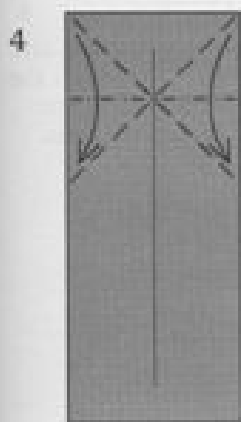
Fold and unfold. Turn over and rotate.



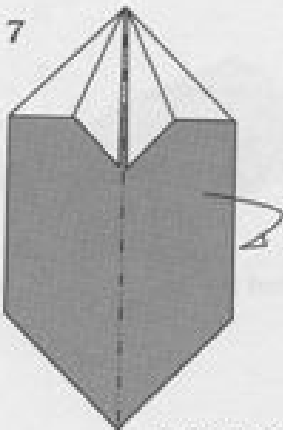
Fold and unfold.



Fold and unfold.

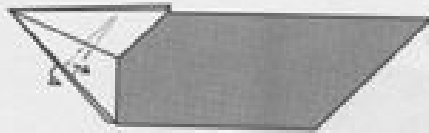


7



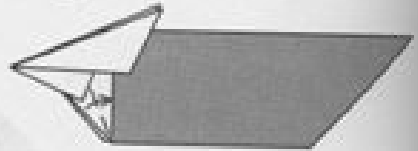
Fold in half and rotate.

8



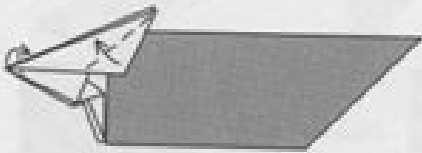
Crimp-fold.

9



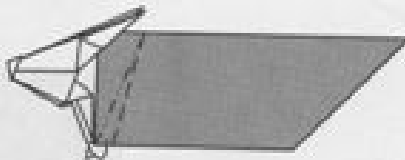
Repeat behind.

10



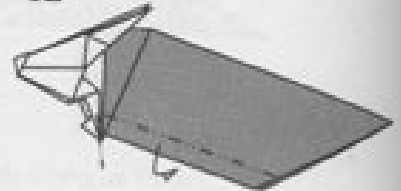
Outside-reverse-fold the nose. Repeat behind for the ears.

11



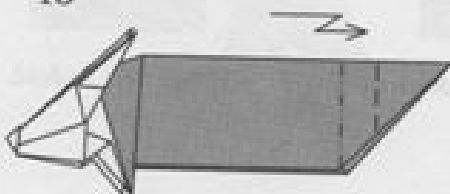
Crimp-fold.

12



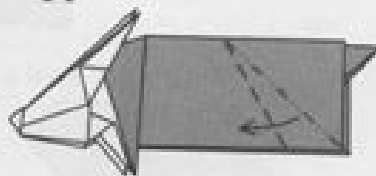
Squash-fold. Repeat behind.

13



Crimp-fold.

14



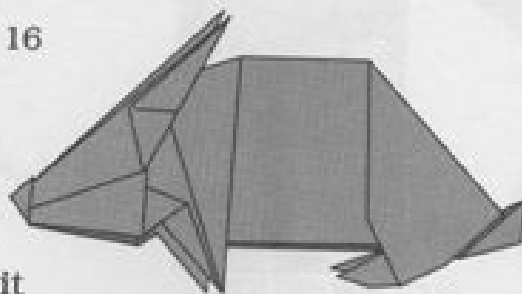
Crimp-fold.

15



Crimp-fold the legs and outside-reverse-fold the tail. Repeat behind. To finish the model open the tail, open and shape the ears, open and shape the body.

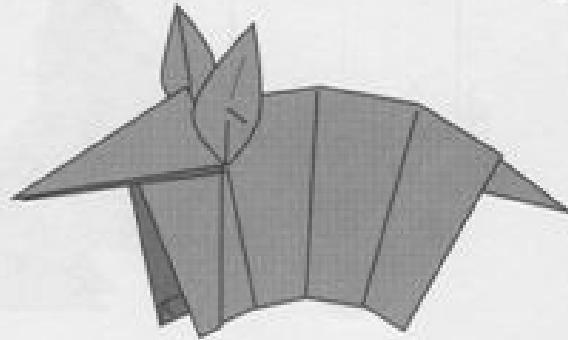
16



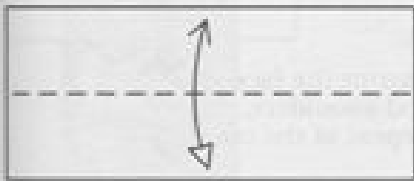
Rabbit

ARMADILLO

Designed by Jim Cowling

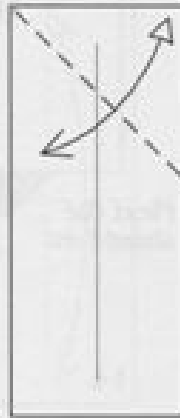


1



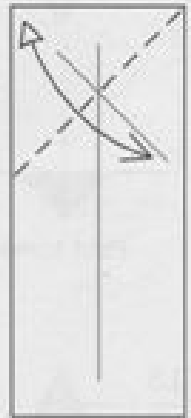
Fold and unfold. Rotate.

2



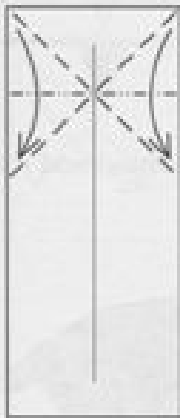
Fold and unfold.

3

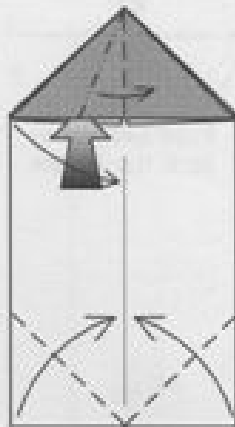


Fold and unfold.

4

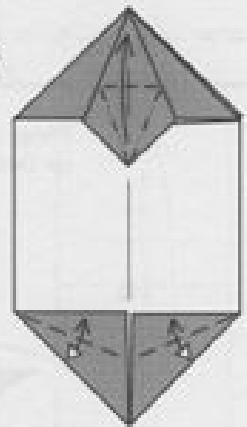


5



Squash-fold the ear.

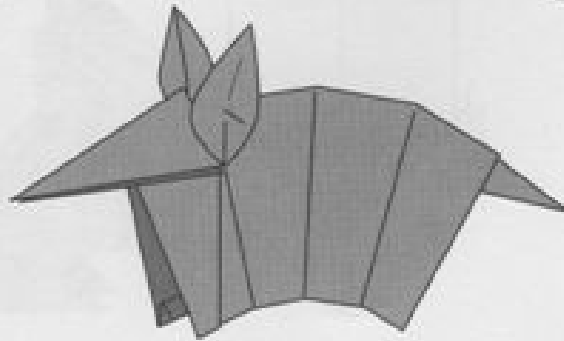
6



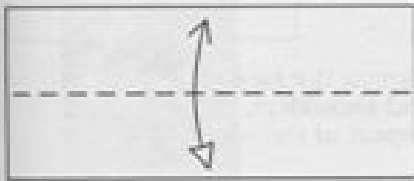
Petal-fold the ear. Fold and unfold by the tail.

ARMADILLO

Designed by Jim Cowling

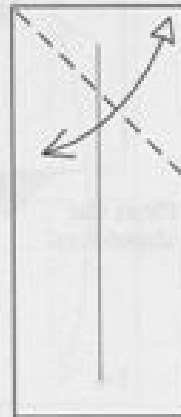


1



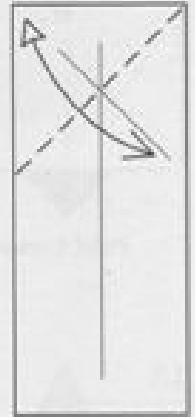
Fold and unfold. Rotate.

2



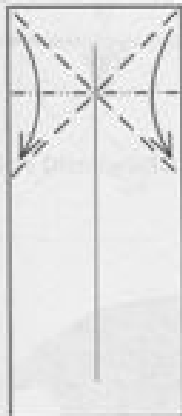
Fold and unfold.

3

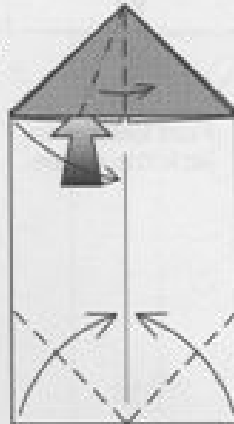


Fold and unfold.

4

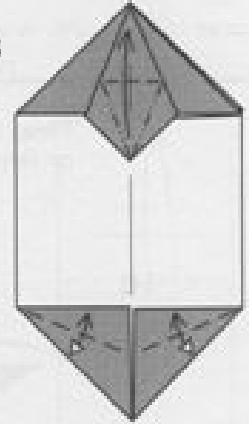


5

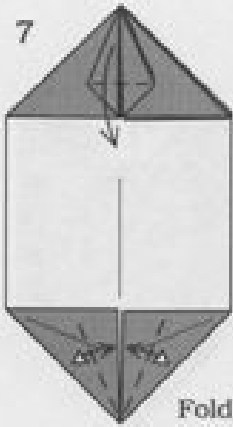


Squash-fold the ear.

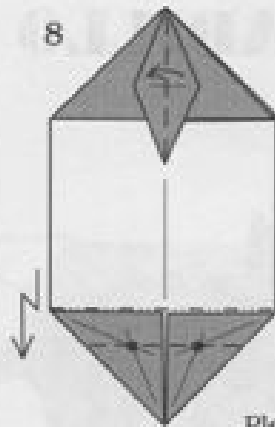
6



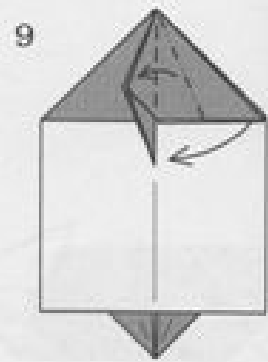
Petal-fold the ear. Fold and unfold by the tail.



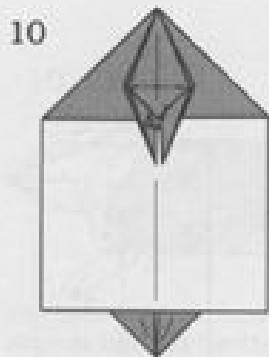
7
Fold and unfold
by the tail.



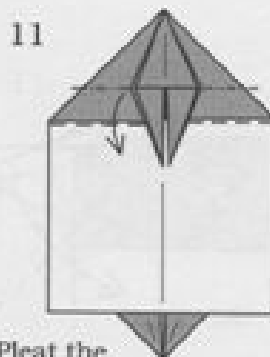
8
Pleat the tail.



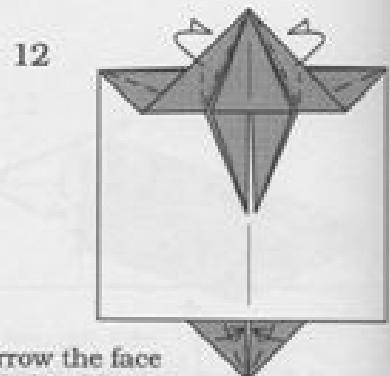
9
Repeat steps 5-8 for
the ear on the right.



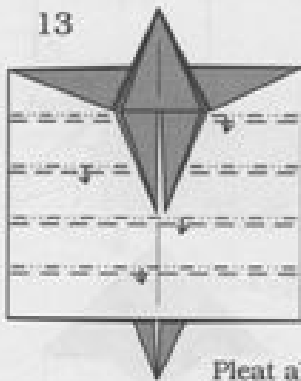
10
Fold inside.



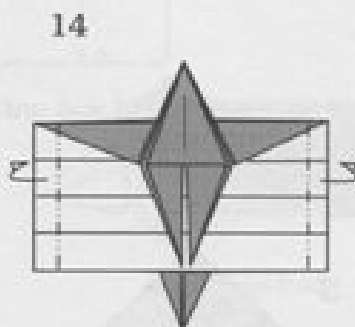
11
Pleat the
shoulders.



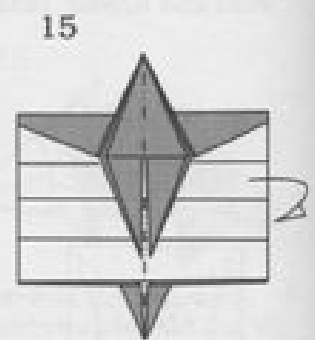
12
Narrow the face
and shoulders.
Repeat at the tail.



13
Pleat about four
or five times.



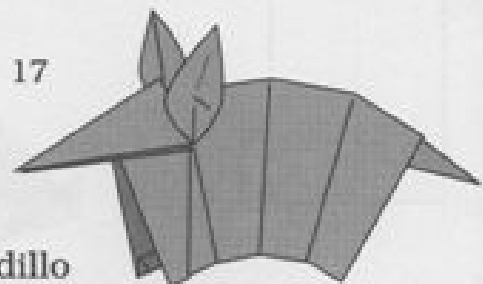
14
Fold behind to
lock the pleats.



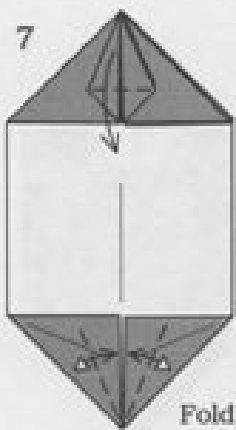
15
Fold behind and rotate.



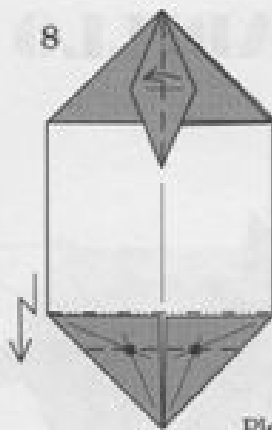
16
Open the ears and
expand the back.



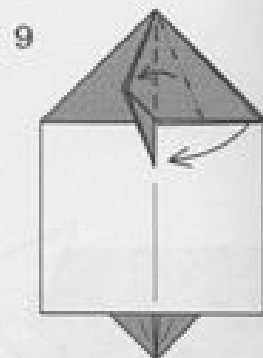
17
Armadillo



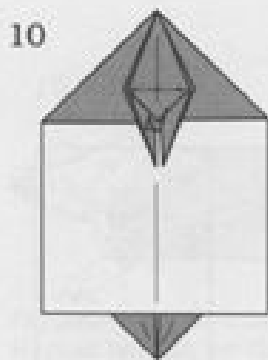
Fold and unfold by the tail.



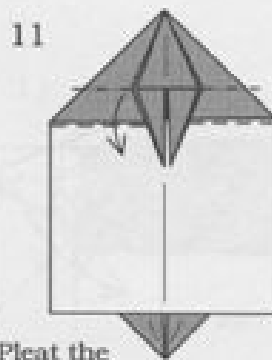
Pleat the tail.



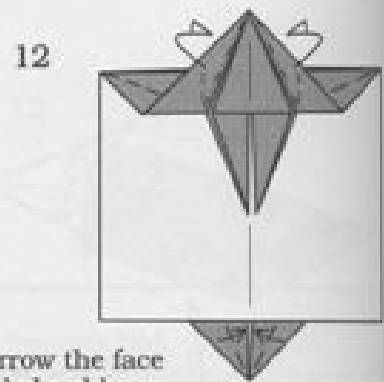
Repeat steps 5-8 for the ear on the right.



Fold inside.



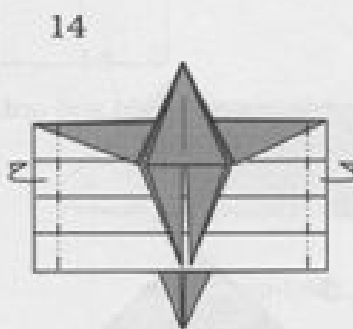
Pleat the shoulders.



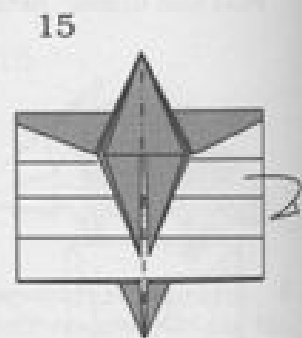
Narrow the face and shoulders. Repeat at the tail.



Pleat about four or five times.



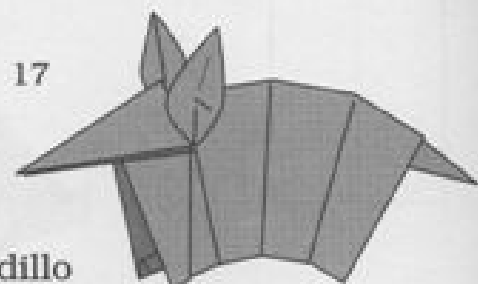
Fold behind to lock the pleats.



Fold behind and rotate.

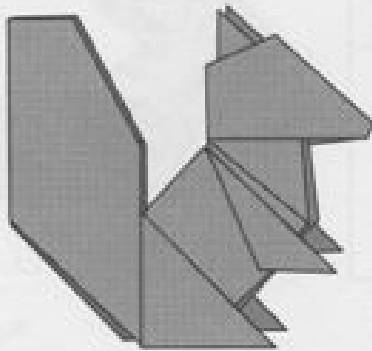


Open the ears and expand the back.

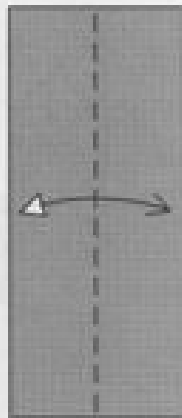


Armadillo

SQUIRREL

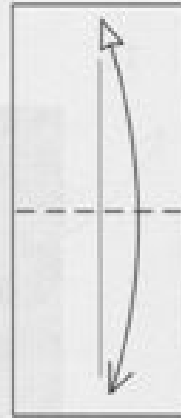


1



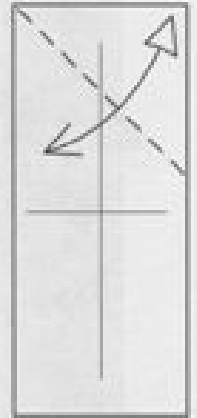
Fold and unfold.

2



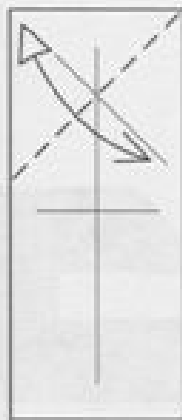
Fold and unfold.

3



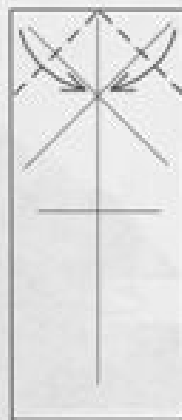
Fold and unfold.

4

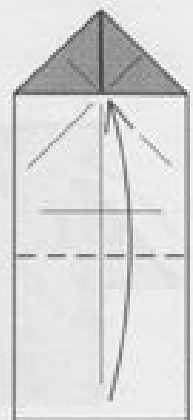


Fold and unfold.

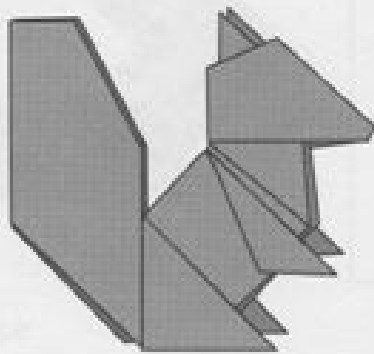
5



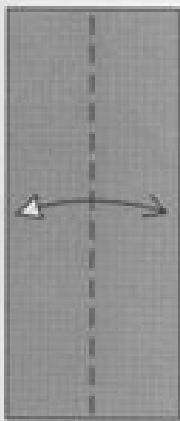
6



SQUIRREL



1



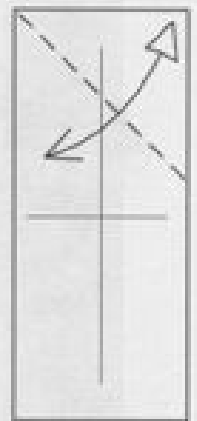
Fold and unfold.

2



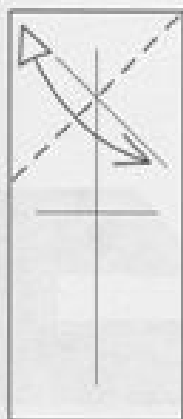
Fold and unfold.

3



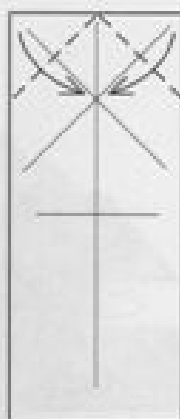
Fold and unfold.

4

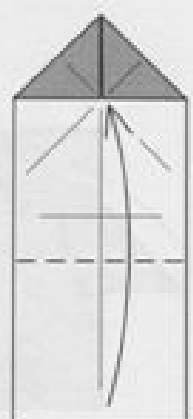


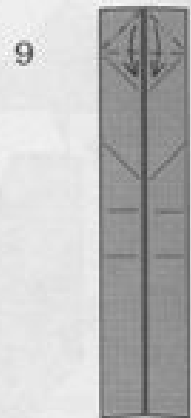
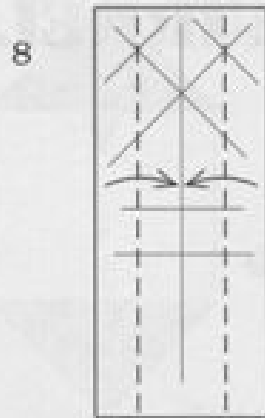
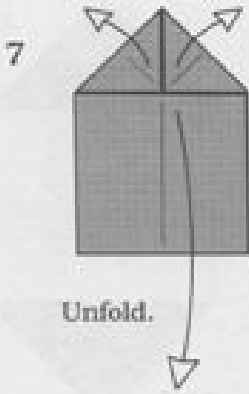
Fold and unfold.

5

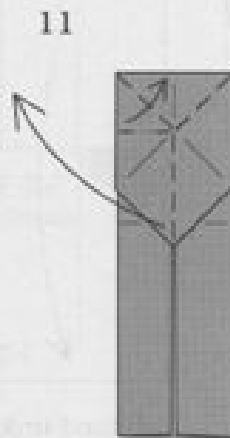
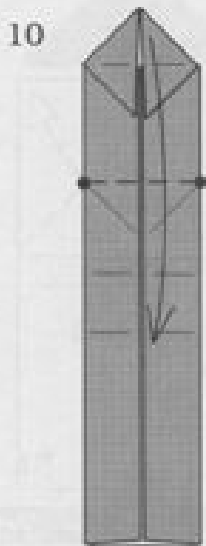


6

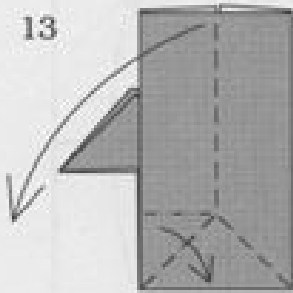
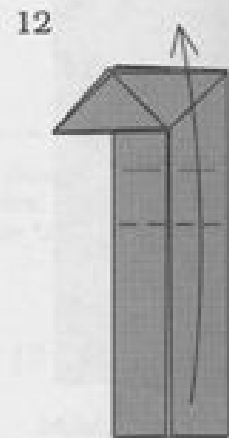




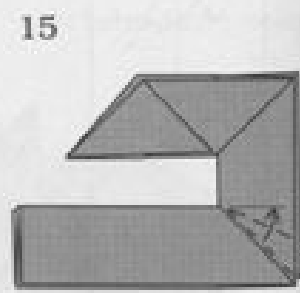
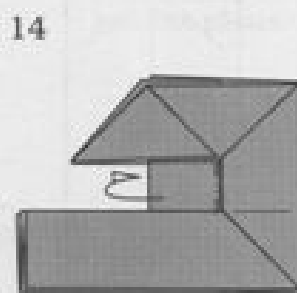
Squash folds.



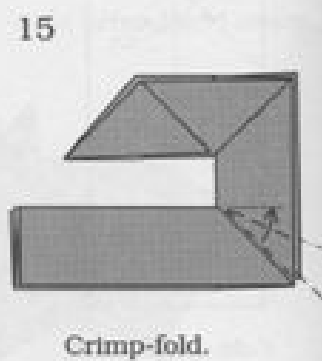
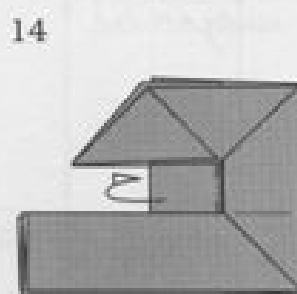
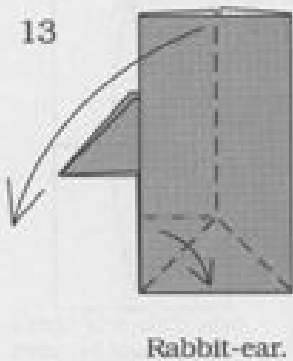
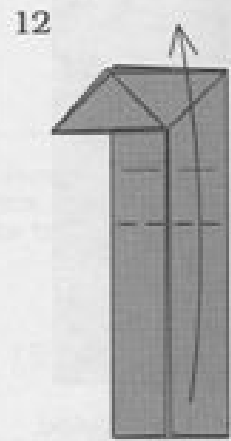
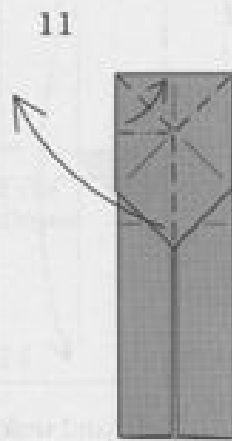
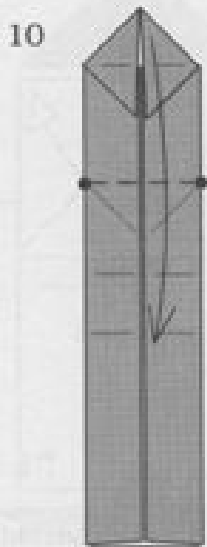
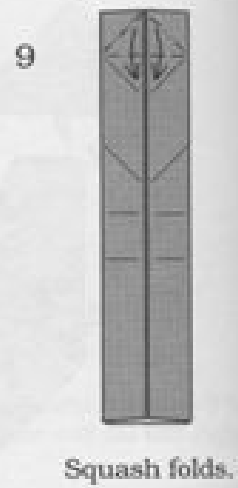
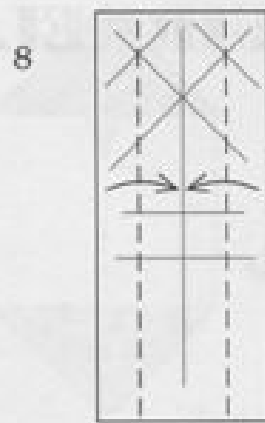
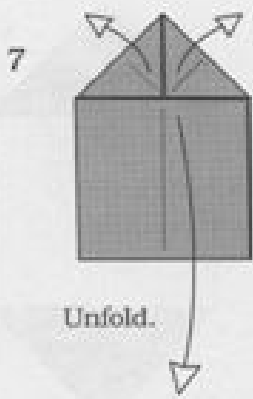
Rabbit-ear.

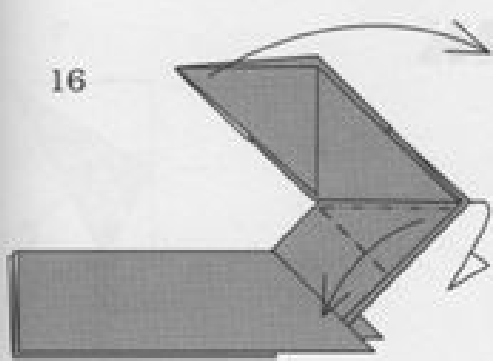


Rabbit-ear.

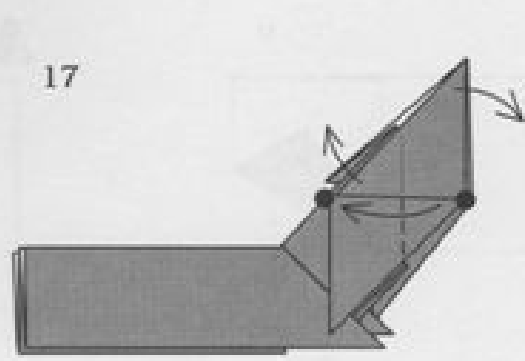


Crimp-fold.

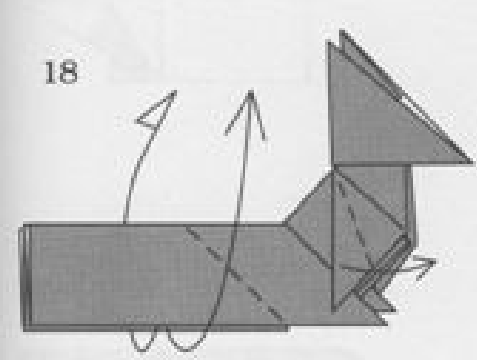




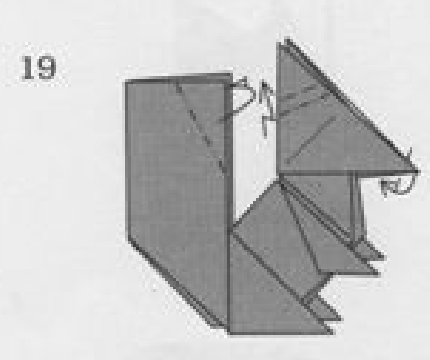
Crimp-fold.



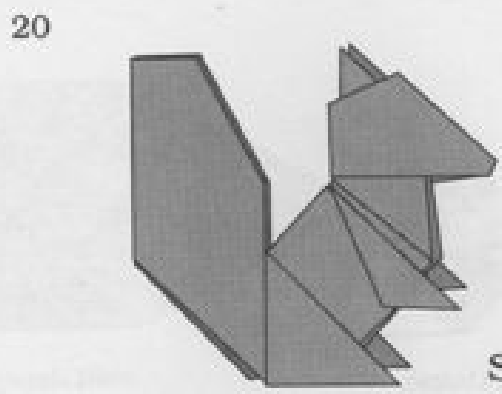
Crimp-fold.



Outside-reverse-fold the tail.
Repeat behind for the arms.

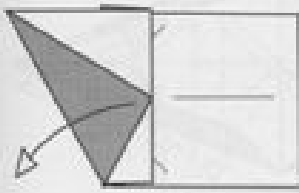


Pleat-fold the ears,
reverse-fold the face.
Repeat behind.



Squirrel

7

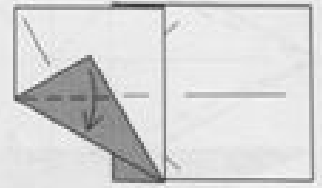


Unfold.

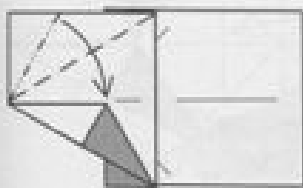
8



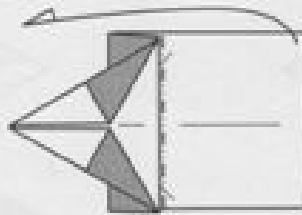
9



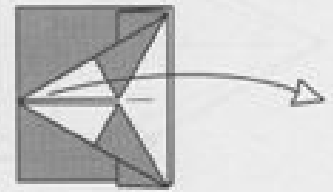
10



11

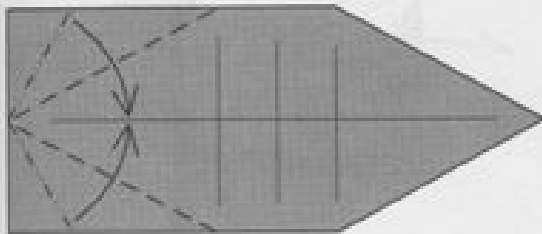


12

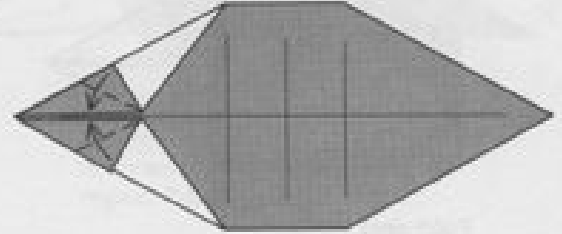


Unfold.

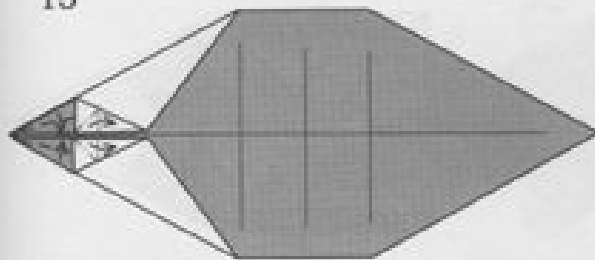
13



14

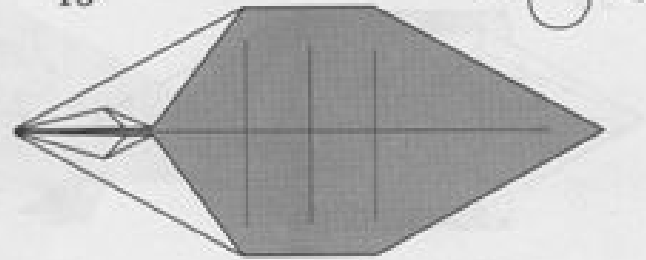


15

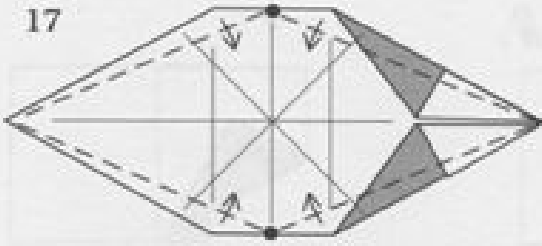


Squash folds.

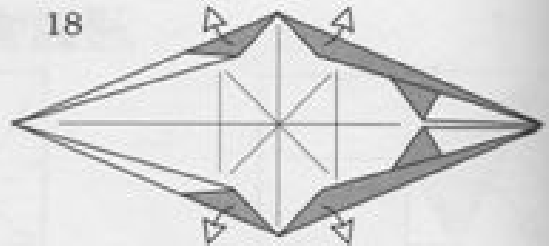
16



17

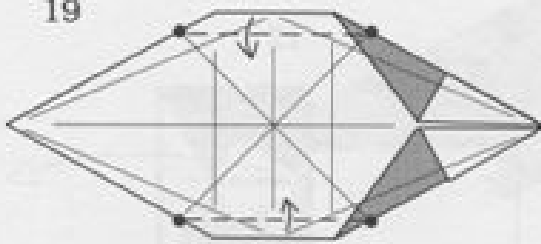


18

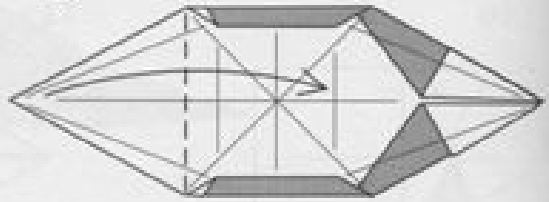


Unfold.

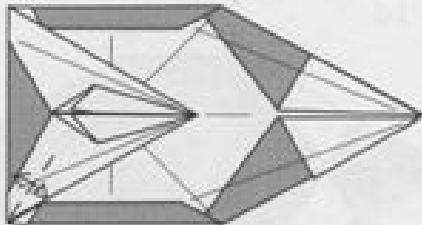
19



20

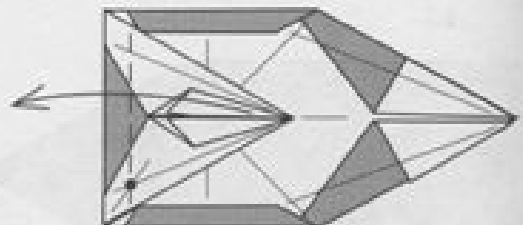


21

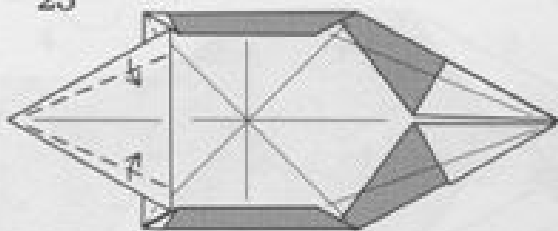


Fold and unfold.

22

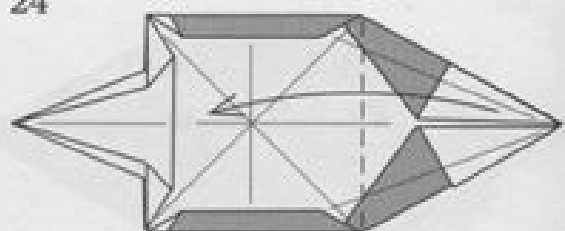


23



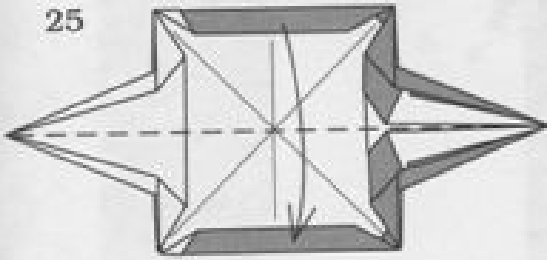
Squash folds.

24

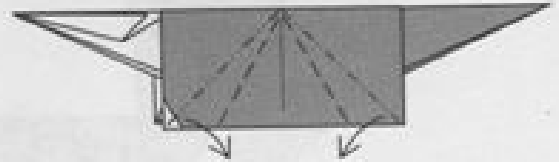


Repeat steps 20-23 on the right.

25

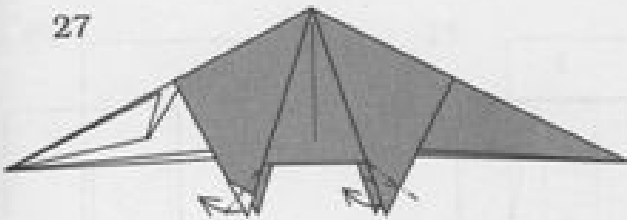


26



Repeat behind.

27



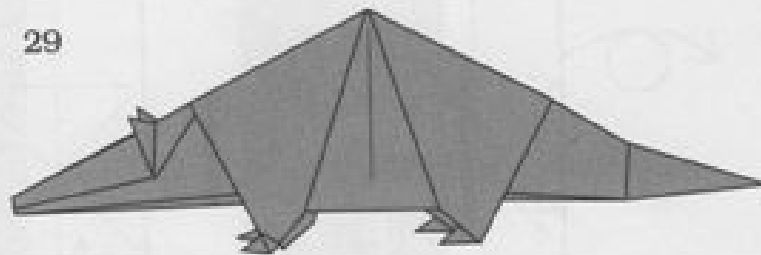
Reverse-fold the front legs and crimp-fold the hind legs. Repeat behind.

28



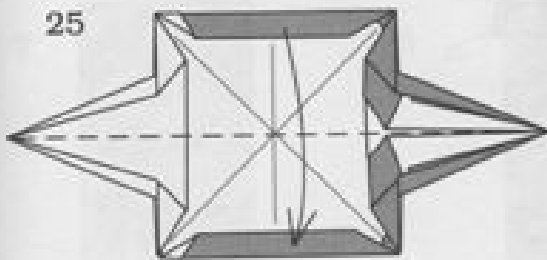
Crimp-fold the tail, reverse-fold the head, and repeat behind at the ears.

29

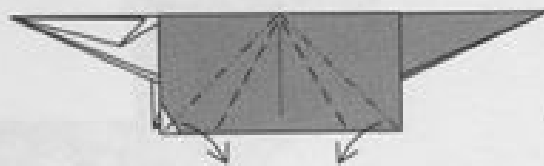


Aardvark

25

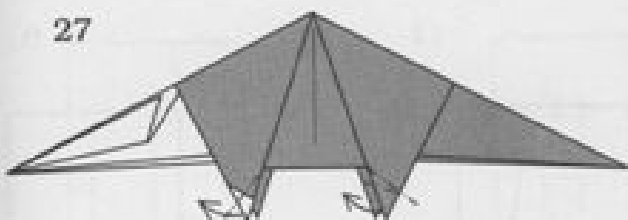


26



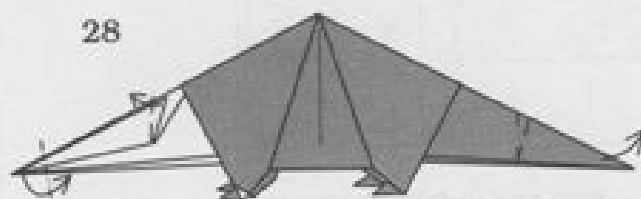
Repeat behind.

27



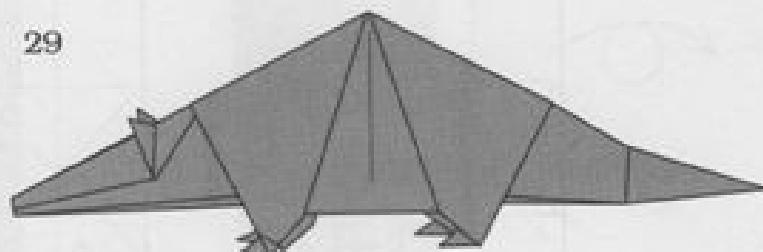
Reverse-fold the front legs and crimp-fold the hind legs. Repeat behind.

28



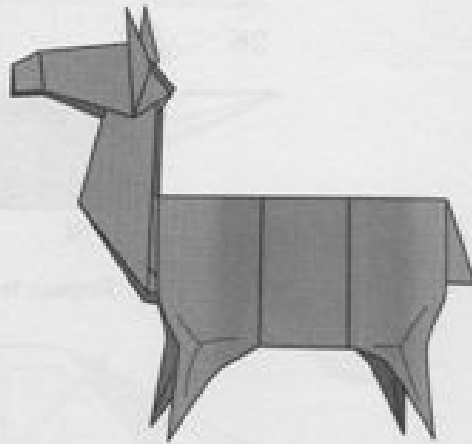
Crimp-fold the tail, reverse-fold the head, and repeat behind at the ears.

29

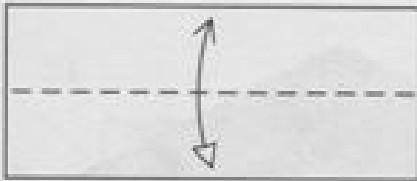


Aardvark

LLAMA



1



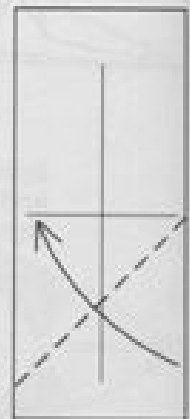
Fold and unfold. Rotate.

2

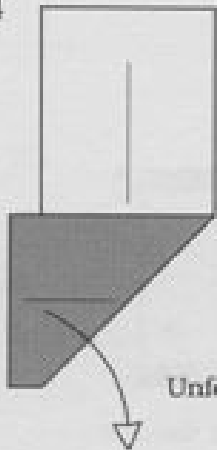


Fold and unfold.

3



4



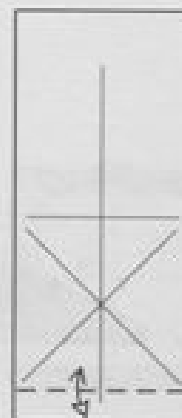
Unfold.

5



Fold and unfold.

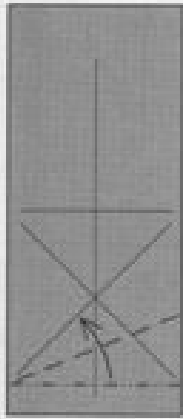
6



Fold and unfold.



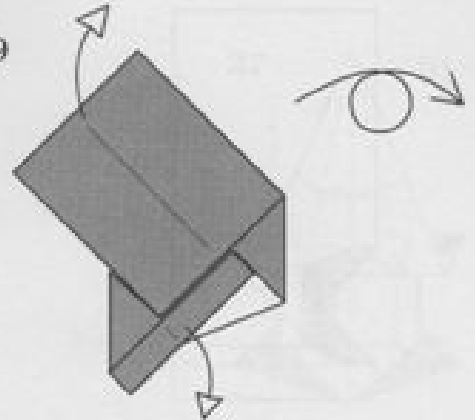
7



8

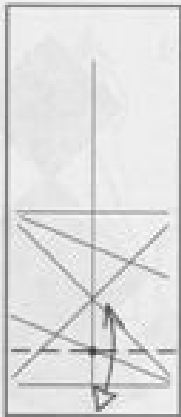


9



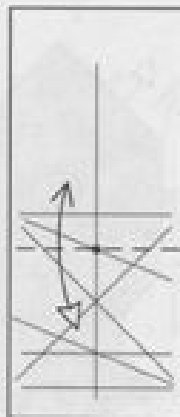
Unfold.

10



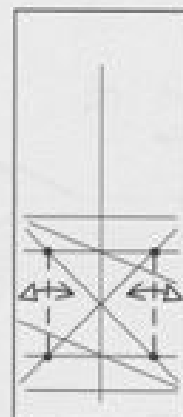
Fold and unfold.

11



Fold and unfold.

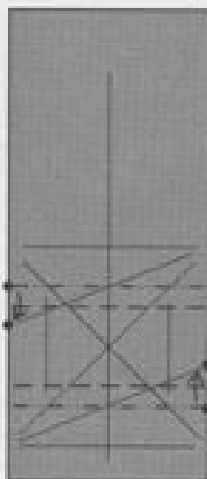
12



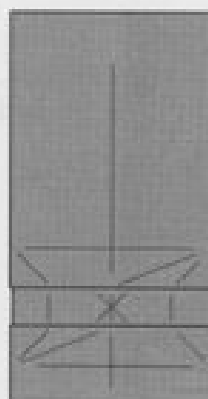
Fold and unfold.



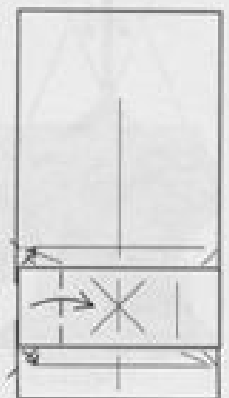
13



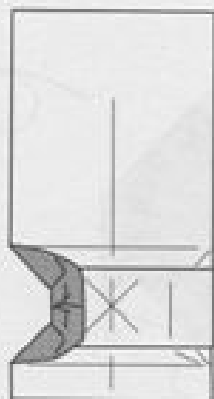
14



15

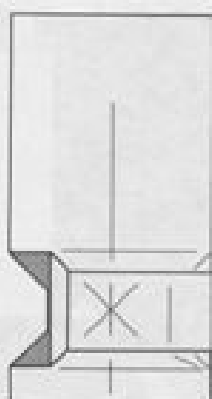


16



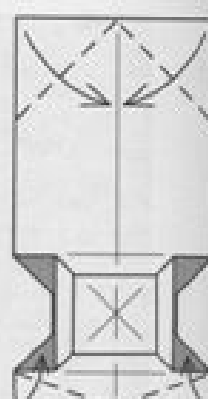
Flatten.

17

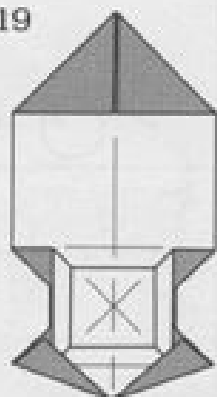


Repeat steps 15-16 on the right.

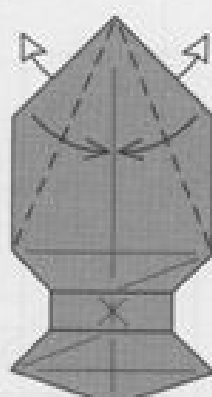
18



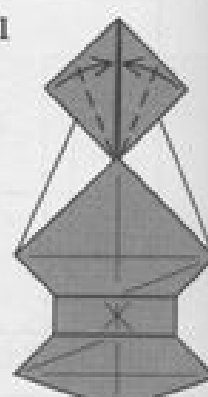
19



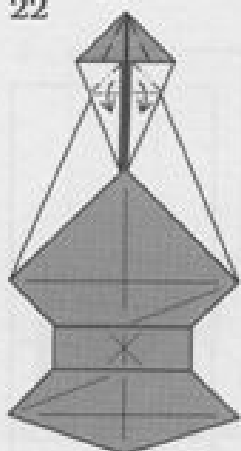
20



21

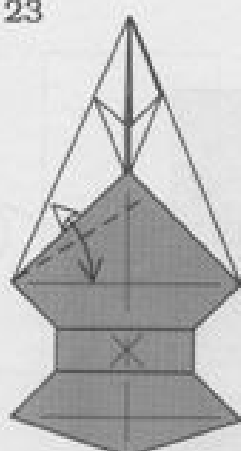


22



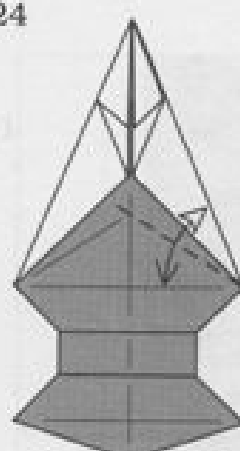
Squash folds.

23



Fold and unfold.

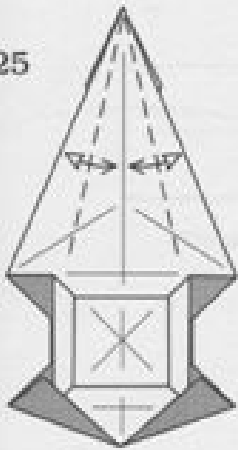
24



Fold and unfold.

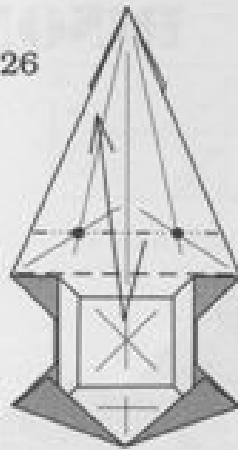


25

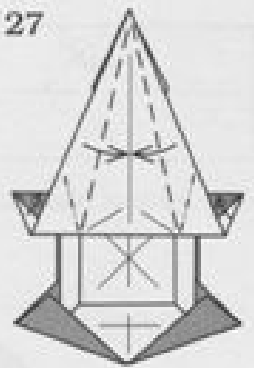


Fold and unfold.

26

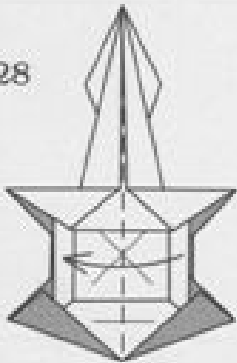


27



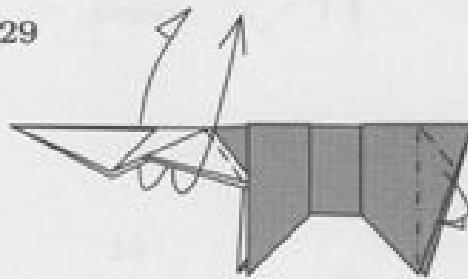
Squash folds.

28



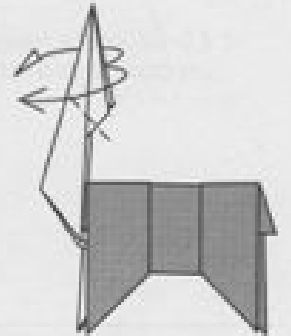
Fold in half and rotate.

29



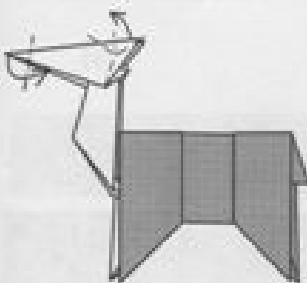
Outside-reverse-fold the neck and crimp-fold the tail.

30



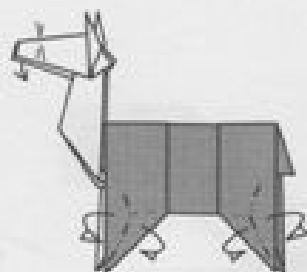
Outside-reverse-fold.

31



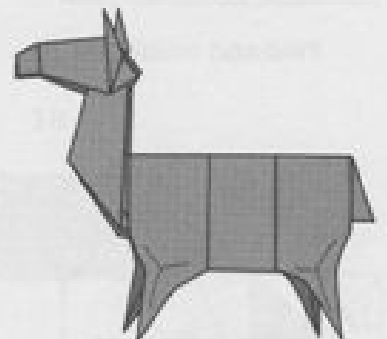
Rabbit-ear the ear and repeat behind. Reverse-fold the head.

32



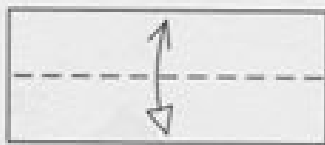
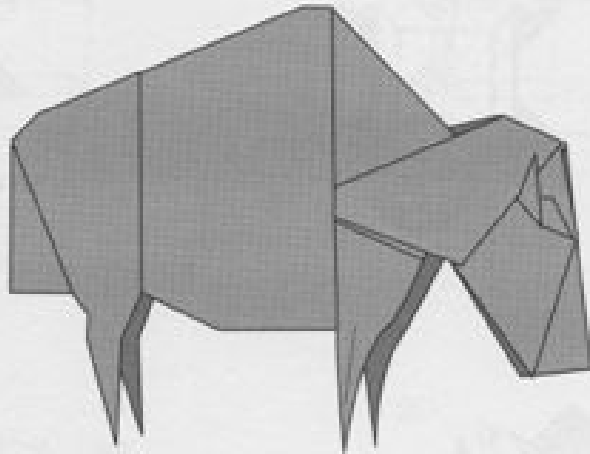
Crimp-fold the head. Thin the legs and repeat behind.

33

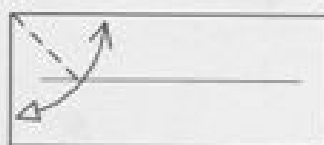


Llama

BISON



Fold and unfold.



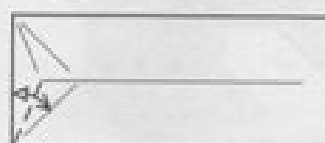
Fold and unfold.



Fold and unfold.



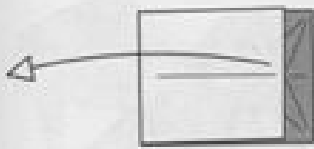
Fold and unfold.



Fold and unfold.

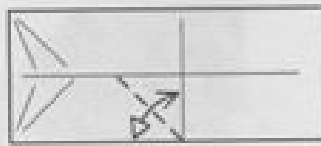


7



Unfold.

8



Fold and unfold.

9

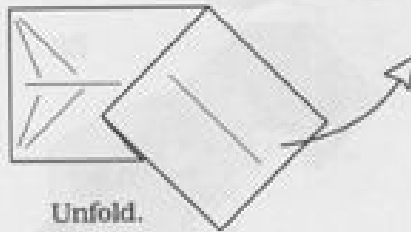


Fold and unfold.

10

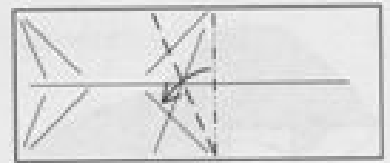


11



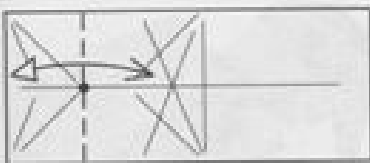
Unfold.

12



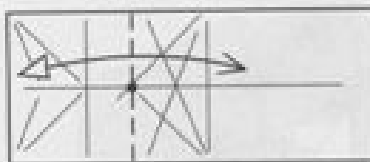
Repeat steps 10-11 in the other direction.

13



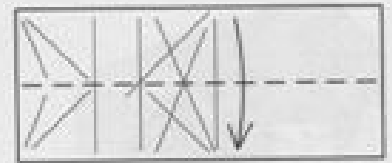
Fold and unfold.

14



Fold and unfold.

15

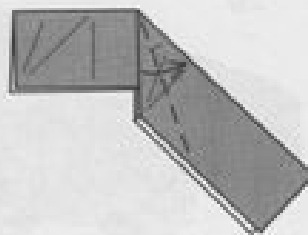


16

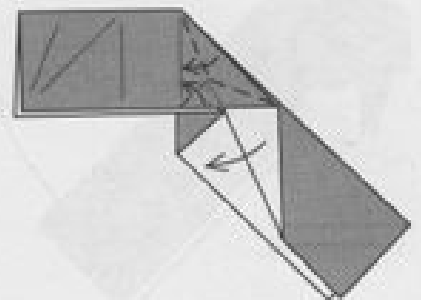


Crimp-fold.

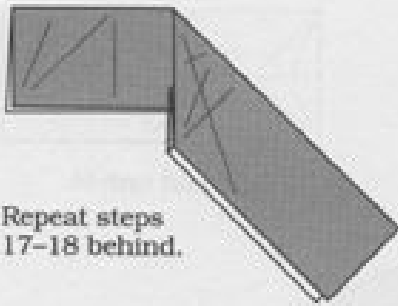
17



18

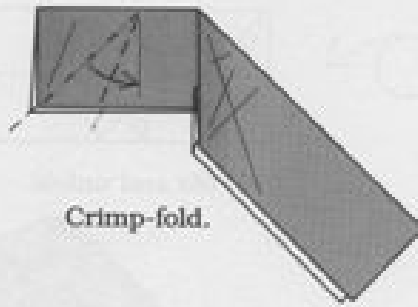


19



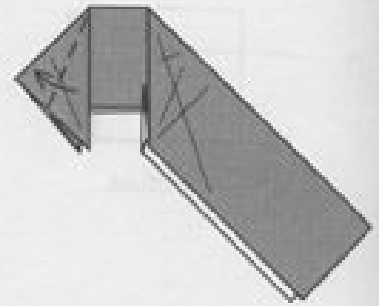
Repeat steps
17-18 behind.

20

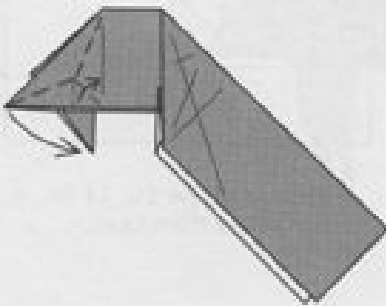


Crimp-fold.

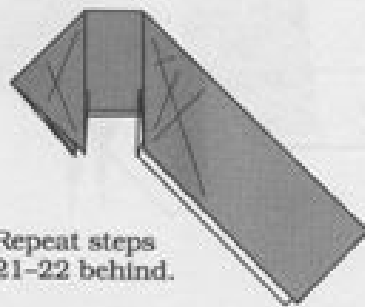
21



22

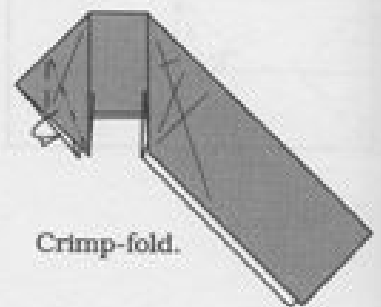


23



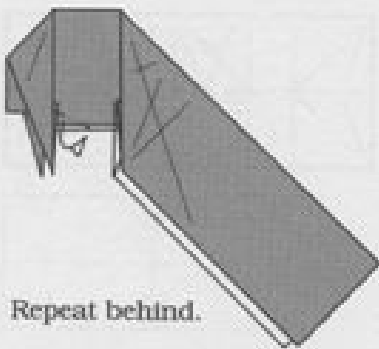
Repeat steps
21-22 behind.

24



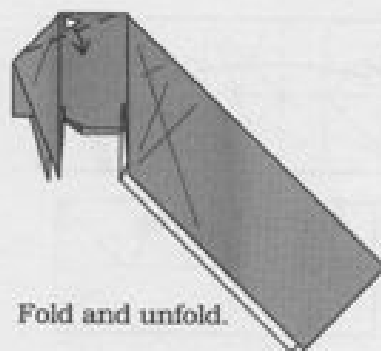
Crimp-fold.

25



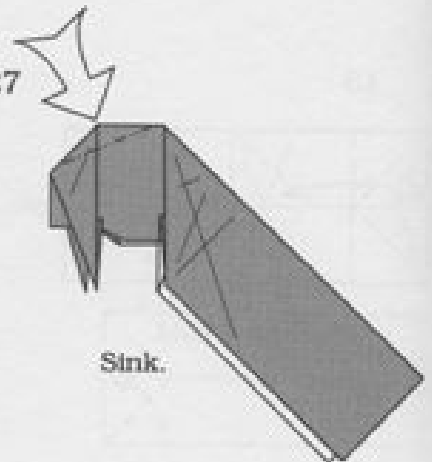
Repeat behind.

26



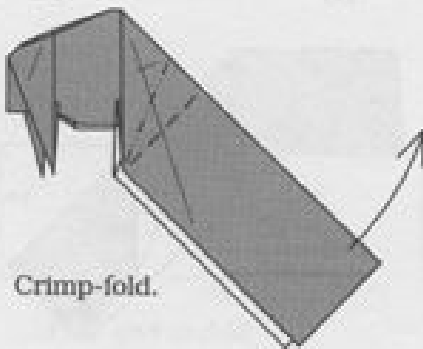
Fold and unfold.

27



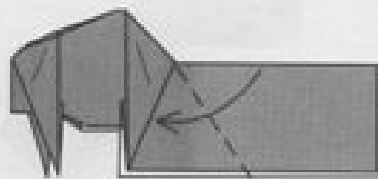
Sink.

28

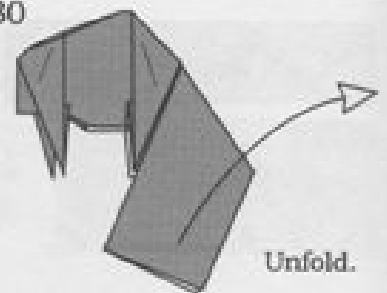


Crimp-fold.

29

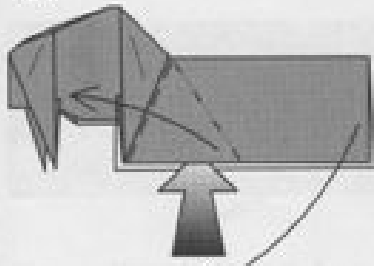


30



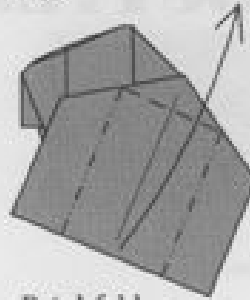
Unfold.

31



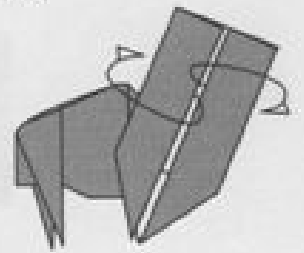
Squash-fold.

32



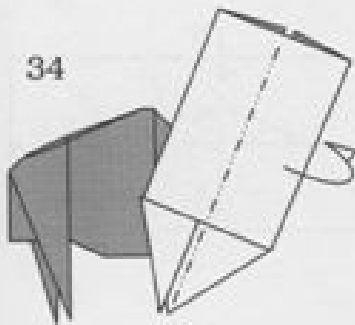
Petal-fold.

33

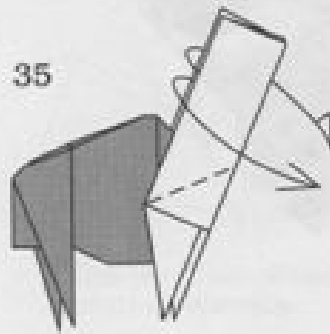


Wrap around.

34

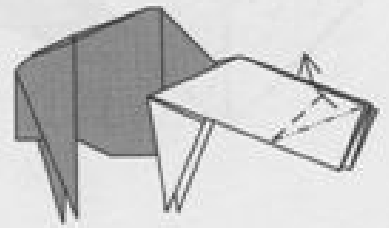


35



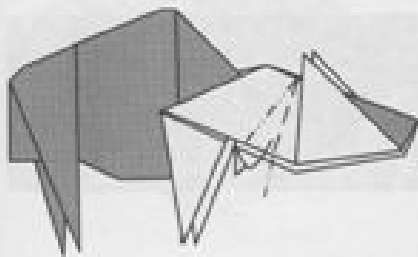
Outside-reverse-fold.

36



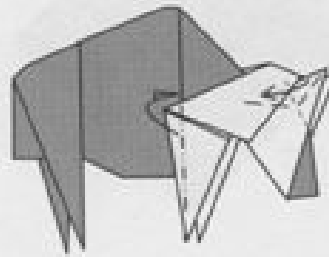
Squash-fold.
Repeat behind.

37



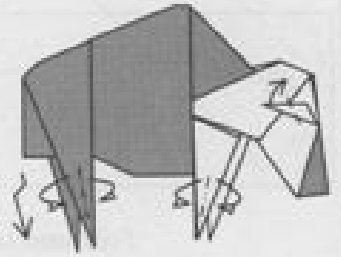
Crimp-fold.

38



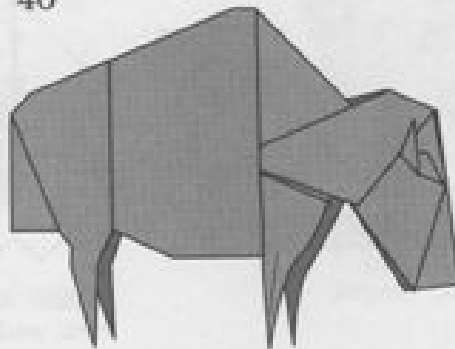
Rabbit-ear the horns
and tuck inside at the
legs. Repeat behind.

39



Thin and shape the
legs. Fold the horns
up. Repeat behind.

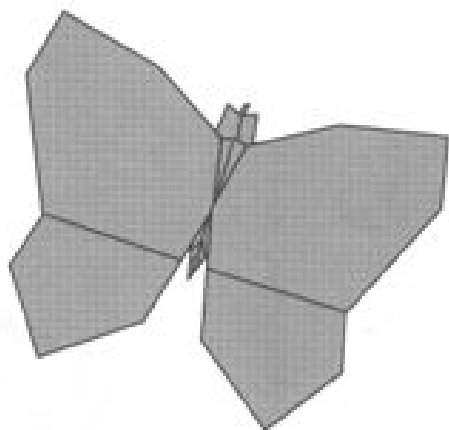
40



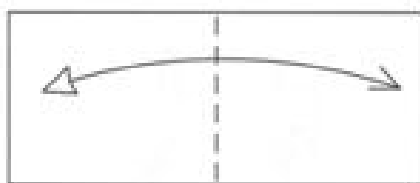
Bison

BUTTERFLY

Designed by Won Park

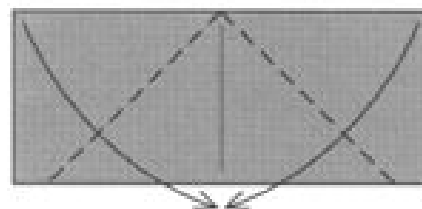


1

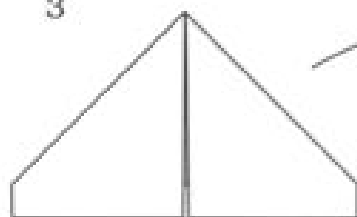


Fold and unfold.

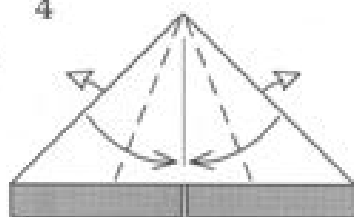
2



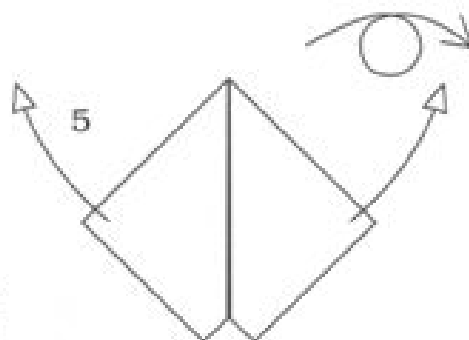
3



4

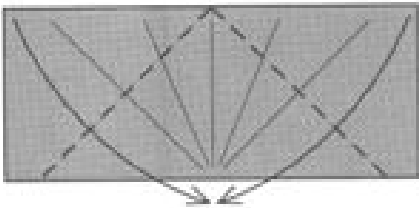


5



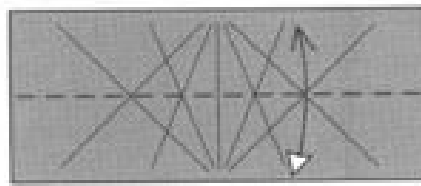
Unfold, turn over, and rotate.

6



Repeat steps 2-5.

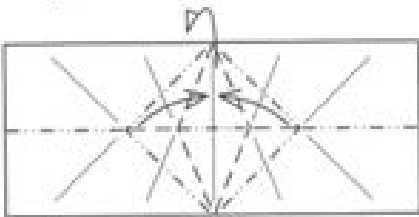
7



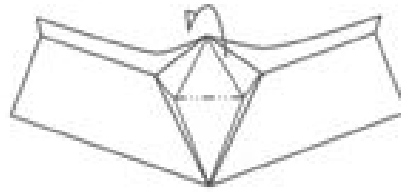
Fold and unfold.



8

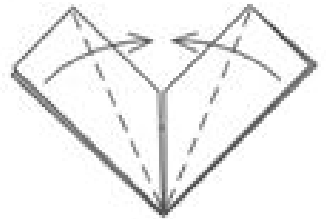


9

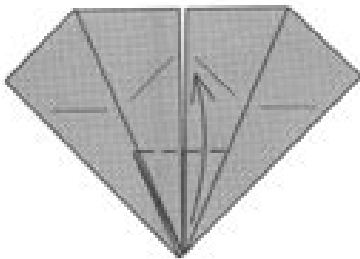


This is a three-dimensional intermediate step.

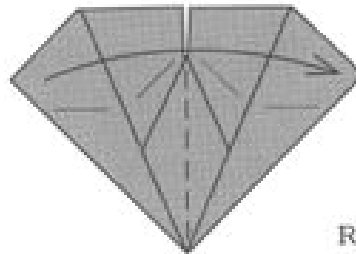
10



11

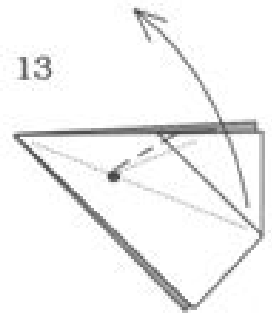


12

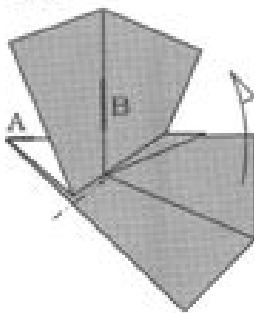


Rotate.

13

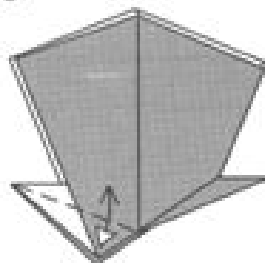


14



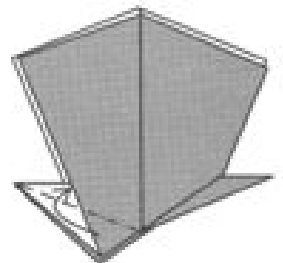
Note that lines A and B form a right angle.

15



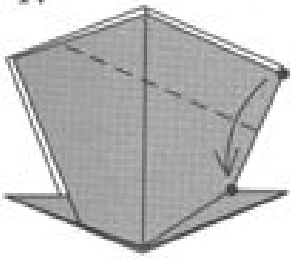
Fold and unfold.
Repeat behind.

16

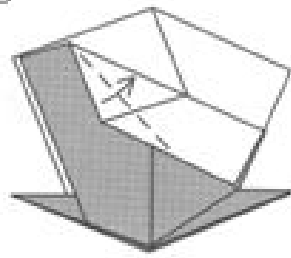


Reverse-fold.
Repeat behind.

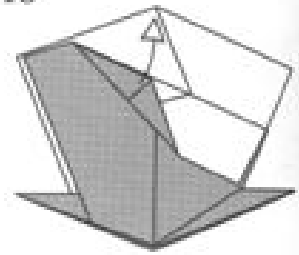
17



18

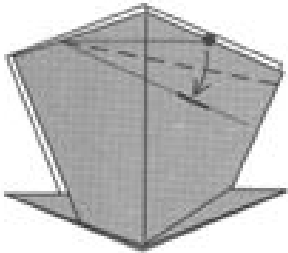


19

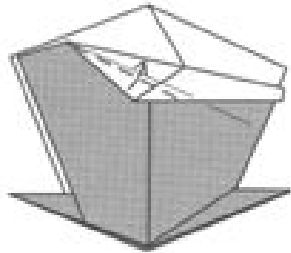


Unfold.

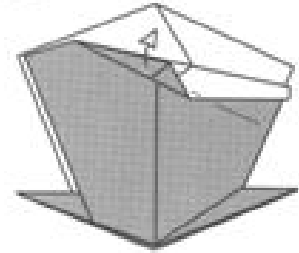
20



21

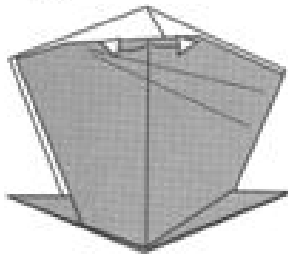


22



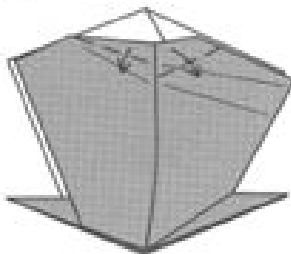
Unfold.

23



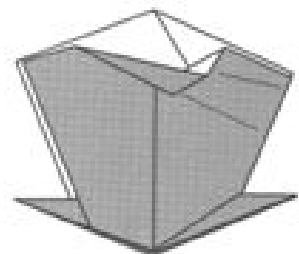
Pull apart.

24



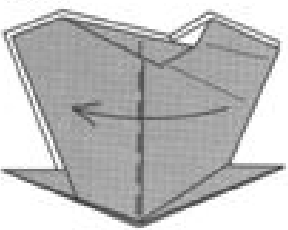
Flatten.

25



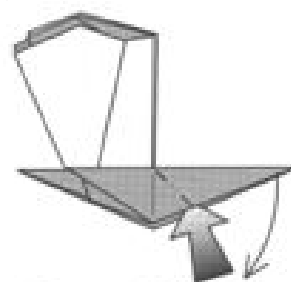
Repeat steps
17-24 behind.

26



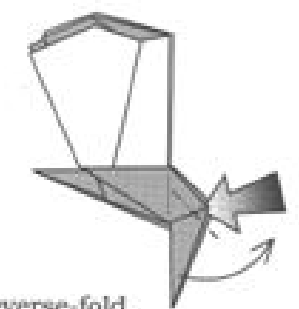
Repeat behind.

27

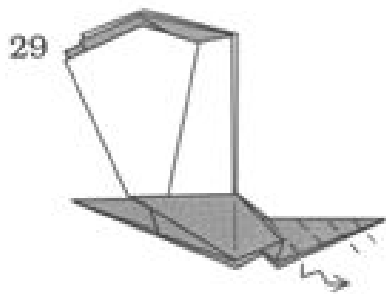


Reverse-fold the tail.

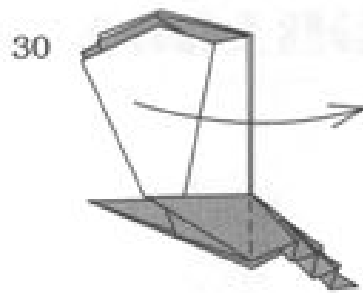
28



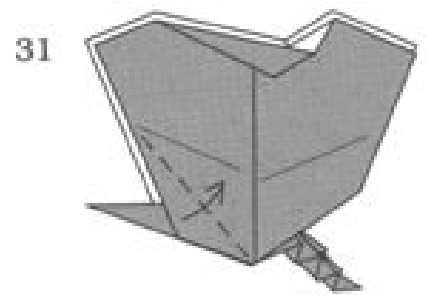
Reverse-fold.



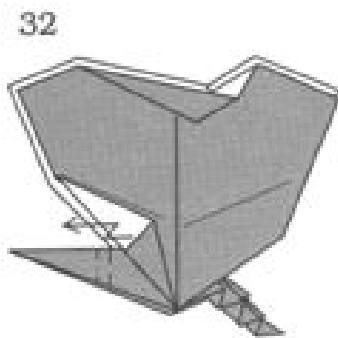
29
Continue making reverse folds.



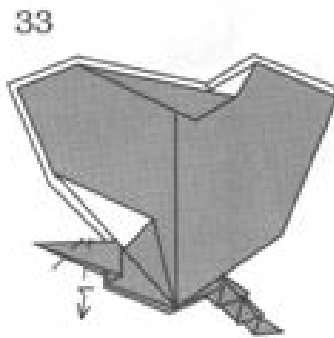
30
Repeat behind.



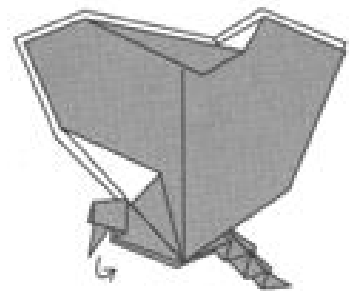
31
Repeat behind.



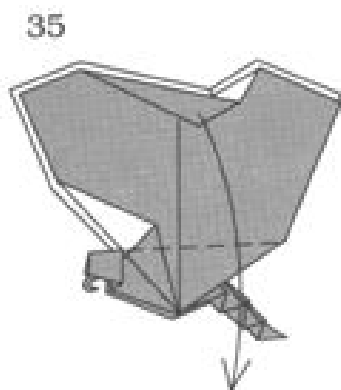
32
Crimp-fold at the head.



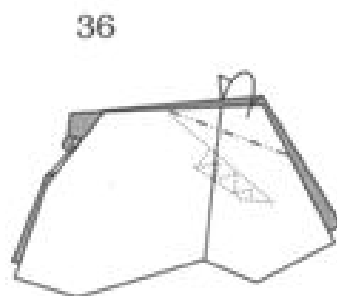
33
Crimp-fold.



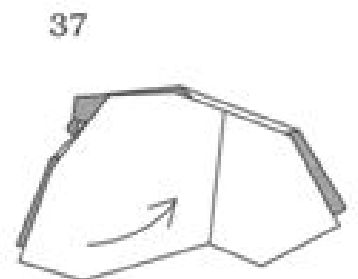
34
Thin and curl.



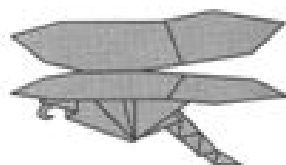
35
Repeat behind.



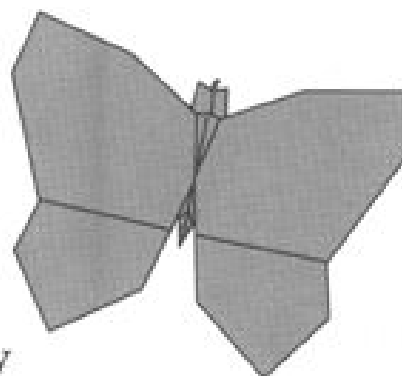
36
Repeat behind.



37
Lift the wing, repeat behind.



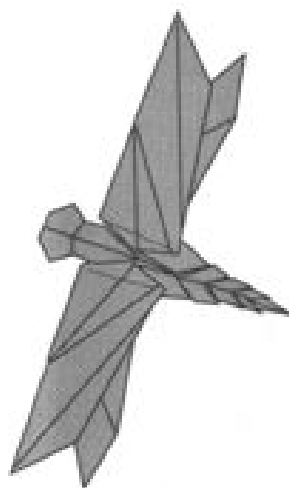
38



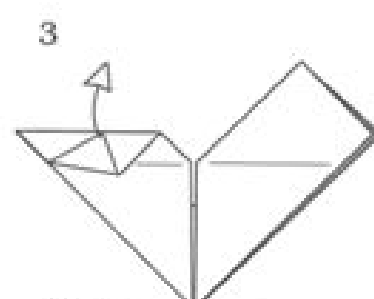
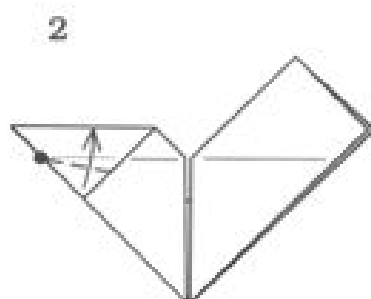
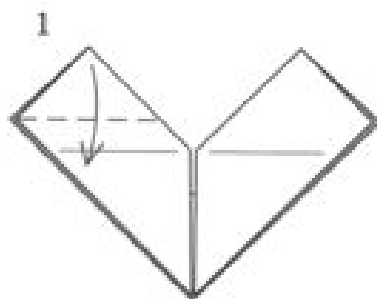
Butterfly

DRAGONFLY

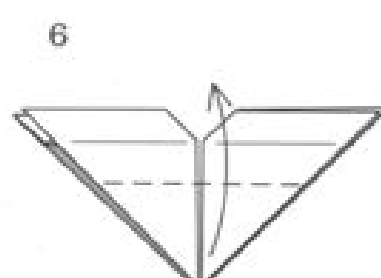
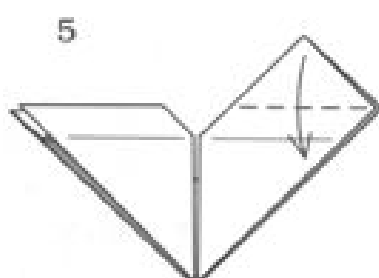
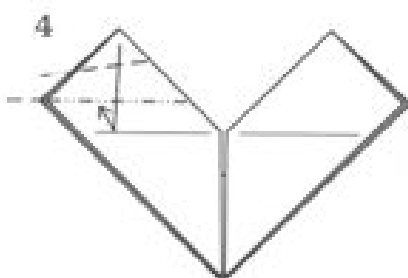
Designed by Won Park



Begin with step 10
of the butterfly.



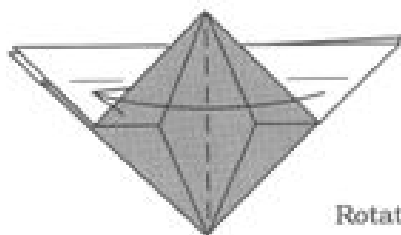
Unfold.



Make two reverse folds
along the creases.

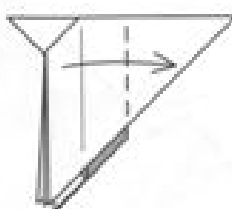
Repeat steps 1-4
on the right.

7

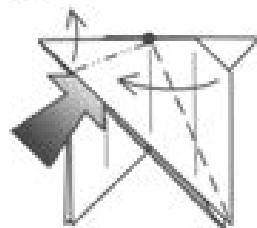


Rotate.

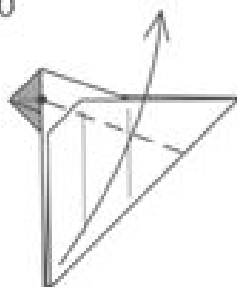
8



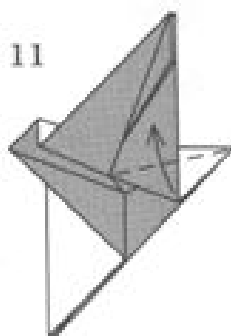
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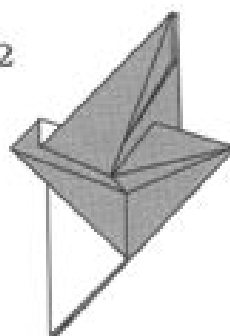
10



11

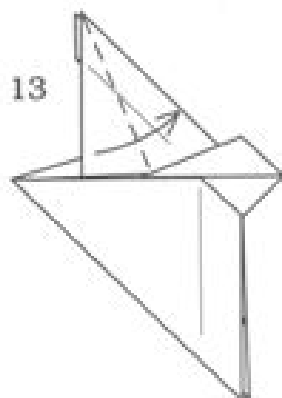


12

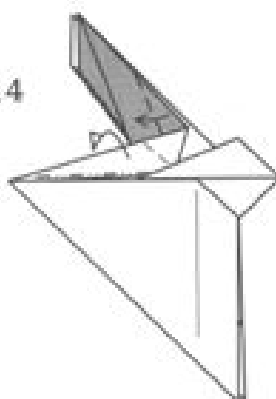


Note that the edges on the left do not meet. Lift up as high as possible.

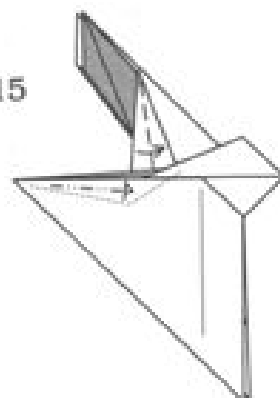
13



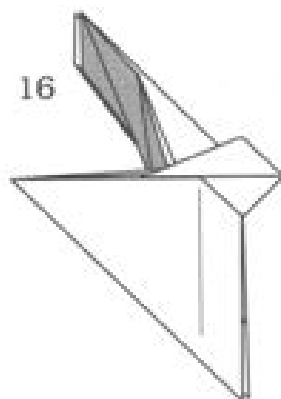
14



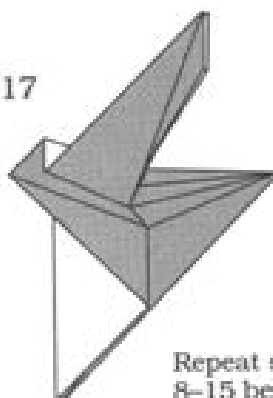
15



16

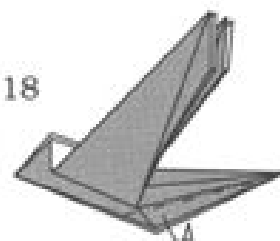


17

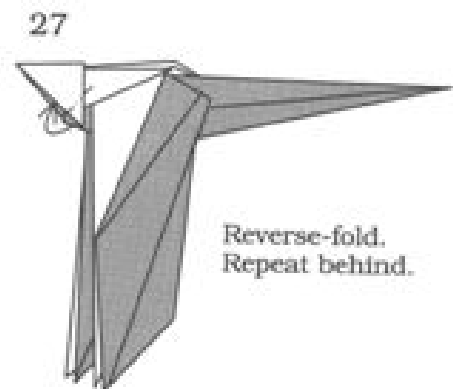
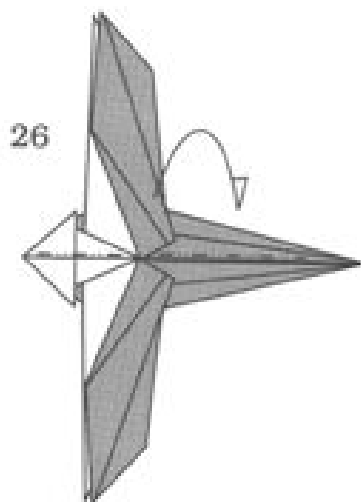
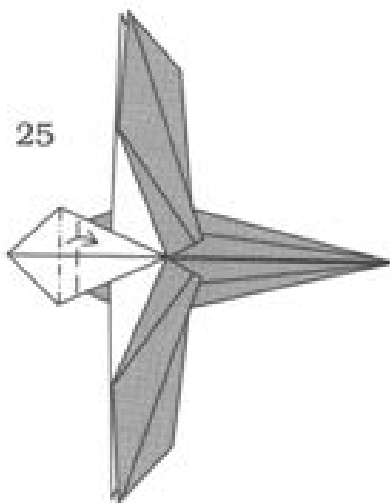
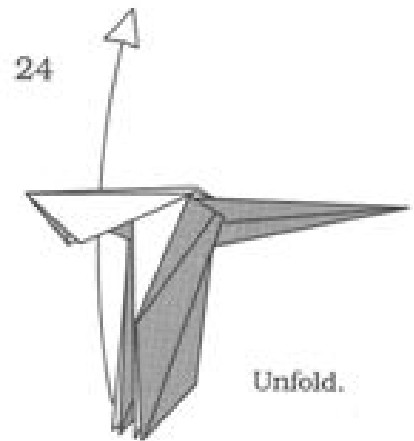
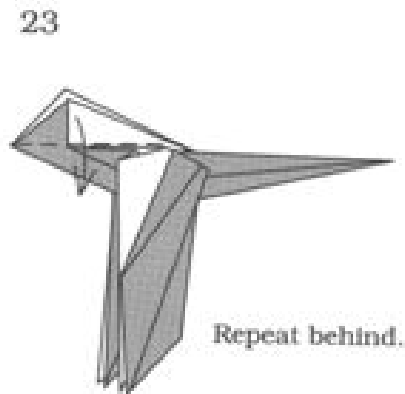
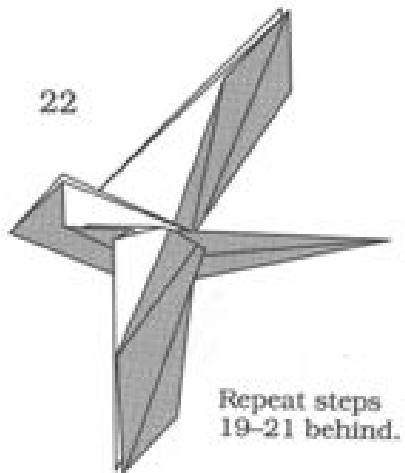
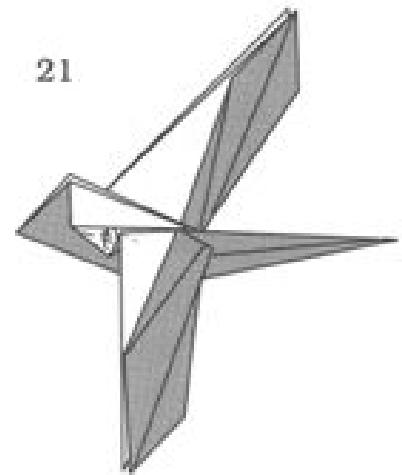
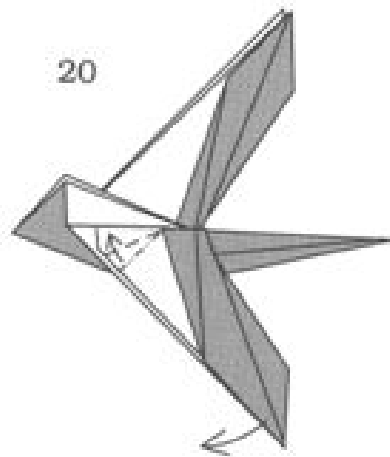
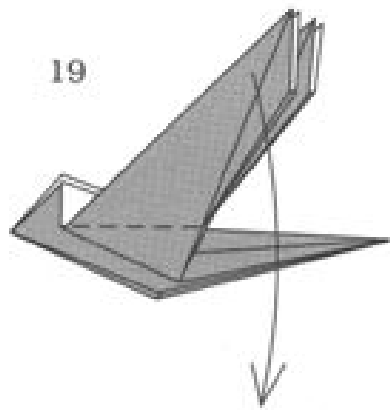


Repeat steps 8-15 behind.

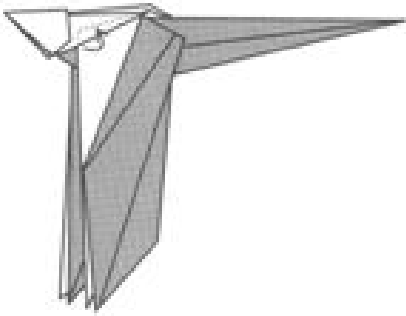
18



Repeat behind.

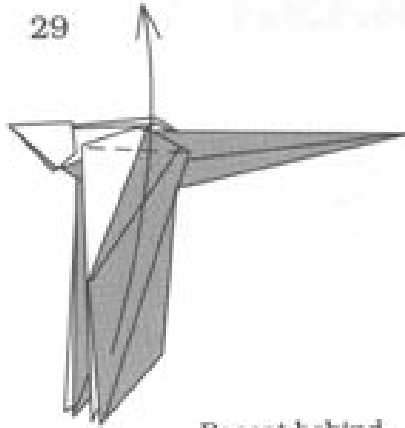


28



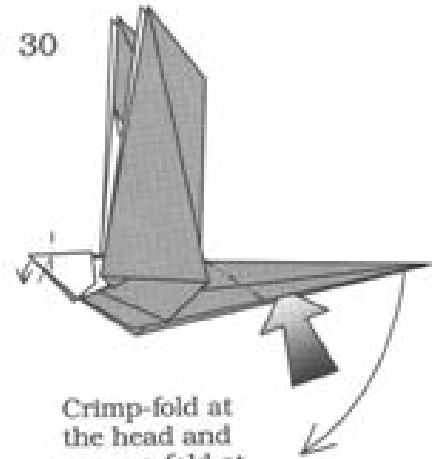
Bring the top of the wing to the front.
Repeat behind.

29



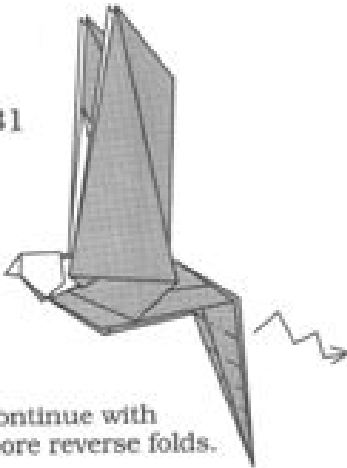
Repeat behind.

30



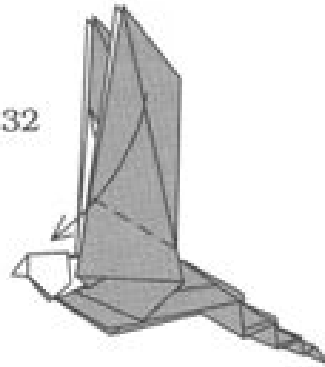
Crimp-fold at the head and reverse-fold at the tail.

31



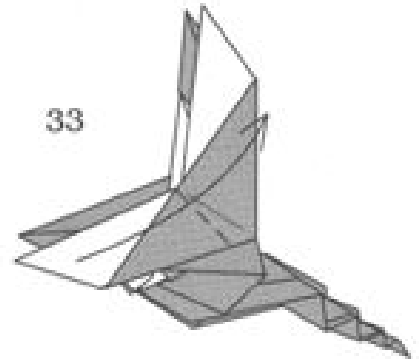
Continue with more reverse folds.

32



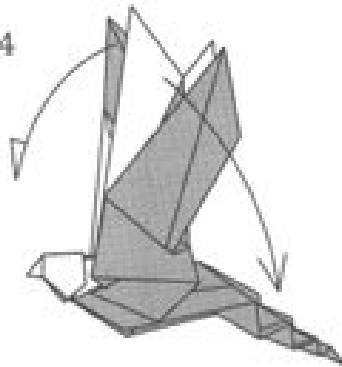
Repeat behind.

33



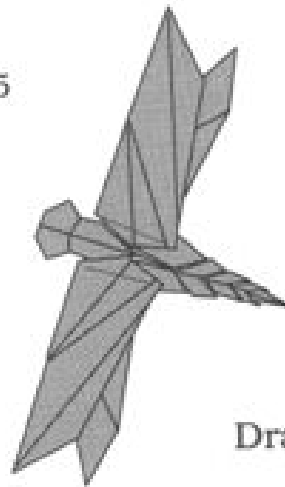
Repeat behind.

34



Spread the wings.

35

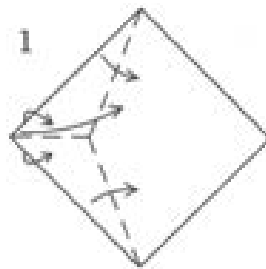


Dragonfly

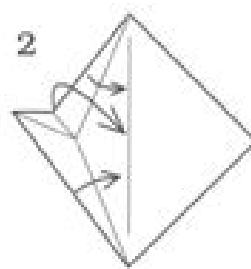
BASIC FOLDS

Rabbit Ear.

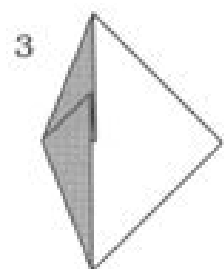
To fold a rabbit ear, one corner is folded in half and laid down to a side.



Fold a rabbit ear.

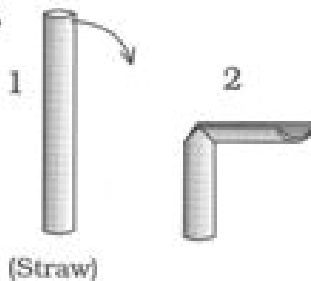


A three-dimensional intermediate step.

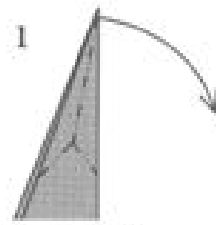


Double Rabbit Ear.

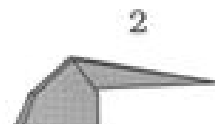
If you were to bend a straw you would be folding the double rabbit ear.



(Straw)

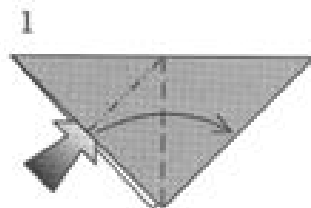


Make a double rabbit ear.

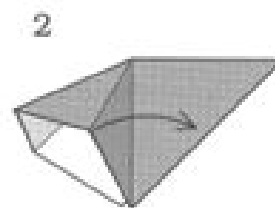


Squash Fold.

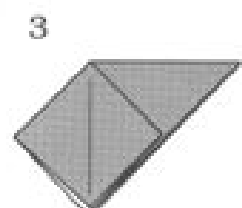
In a squash fold, some paper is opened and then made flat. The shaded arrow shows where to place your finger.



Squash-fold.

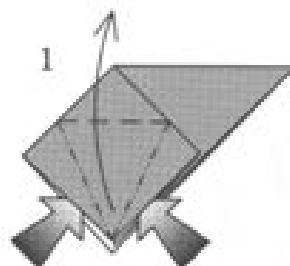


A three-dimensional intermediate step.

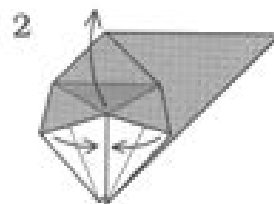


Petal Fold.

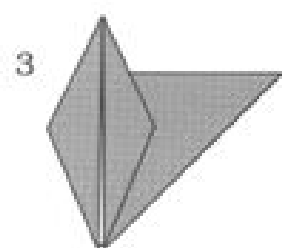
In a petal fold, one point is folded up while two opposite sides meet each other.



Petal-fold.

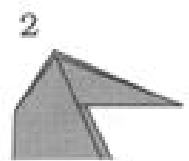
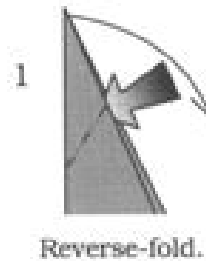
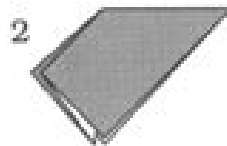
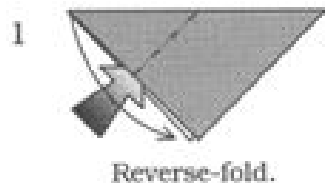


A three-dimensional intermediate step.



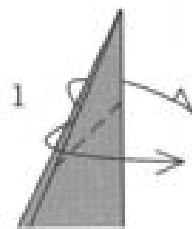
Inside Reverse Fold.

In an inside reverse fold, some paper is folded between layers. Here are two examples.

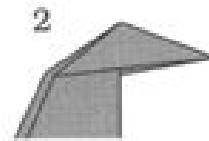


Outside Reverse Fold.

Much of the paper must be unfolded to make an outside reverse fold.

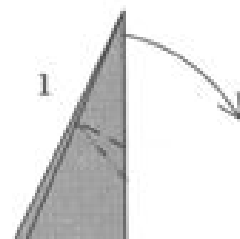


Outside-reverse-fold.

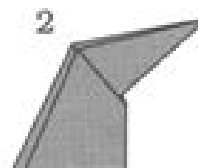


Crimp Fold.

A crimp fold is a combination of two reverse folds.

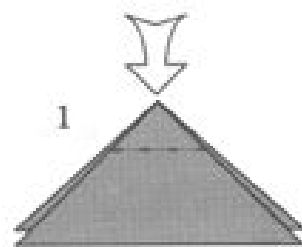


Crimp-fold.

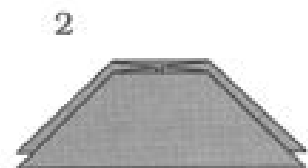


Sink Fold.

In a sink fold, some of the paper without edges is folded inside. To do this fold, much of the model must be unfolded.

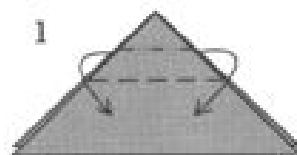


Sink.

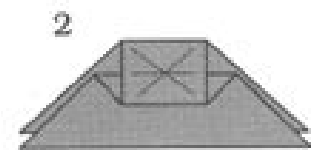


Spread Squash Fold.

A cross between a squash fold and sink fold, some paper in the center is spread apart and then made flat.



Spread-squash-fold.



CREDITS

Creator	Models	Creator	Models
John Montroll	Tetrahedron Cube Diamond Evergreen Tree Swan (adaptation of a traditional model) Crane Vulture Goose Flamingo Pelican Alligator Tyrannosaurus Squirrel Aardvark Llama Bison	Gay Merrill Gross	George Washington Slept Here George Washington Framed Asian Dragon
Sy Chen	Boat Star of David Windmill House with Chimney	Stephen Hecht	"One-Way" Arrow Flower
Jim Cowling	Armadillo	Mark Kennedy	Tulip
Stefan Delecat	Shirt with Tie	Robert J. Lang	Peacock
Peter Farina	Sword Rabbit	Won Park	Eagle Butterfly Dragonfly
		Matt Slayton	African Mask
		Mike Thomas	Three Diamonds



Dragonfly
by
Won Park



Shirt with Tie
by
Stefan Delecat



Sword
by
Peter Farina

Dollar Bill Origami

John Montroll

Origami enthusiasts find it particularly enjoyable and challenging to create models from dollar bills rather than traditional origami paper. This book by origami expert John Montroll, with several contributors, explains how to make 37 figures and objects by folding money.

Step-by-step instructions and clear diagrams show paper folders at all levels of expertise how to fashion everything from common objects such as a house with a chimney to inspired plants, birds, and other animals. A swan and boat should be easy for beginners. A windmill, peacock, pelican, and tree will suit the skills of intermediate-level hobbyists; while an alligator, a flower, and a bison should prove to be no problem for advanced practitioners of this age-old art.

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