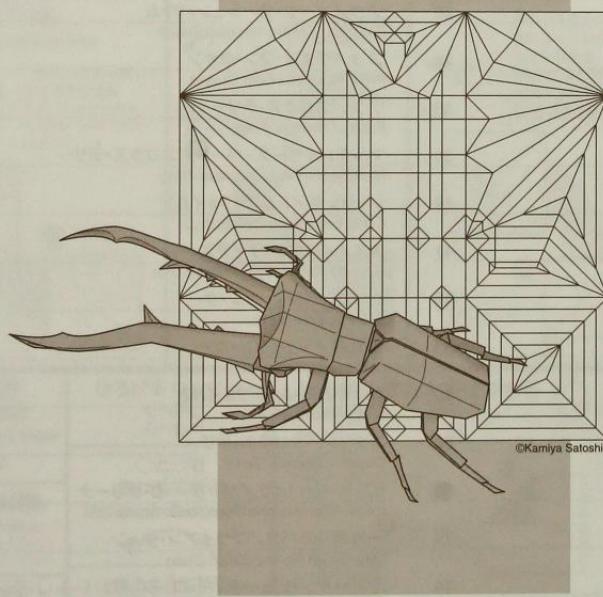


第12回

折紙探偵団コンベンション折り図集

12th Origami Tanteidan Convention Book



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Vol.12

発行・日本折紙学会

12th Origami Tanteidan Convention Book

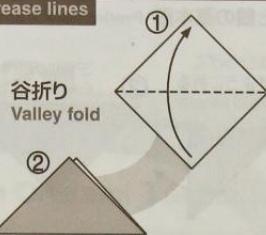
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折り図記号 Symbols for Folding

折り線の種類 Types of crease lines

谷折り線 Valley fold

手前に折る
Fold paper forwards



山折り線 Mountain fold

後ろへ折る
Fold paper backwards

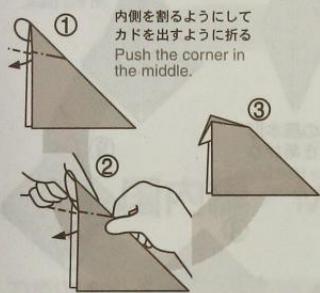
山折り Mountain fold



折り方の技法 Basic Folding Skills

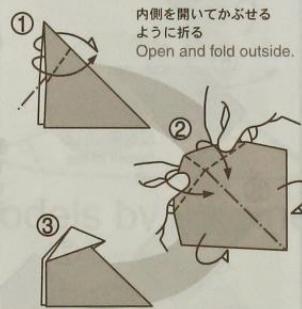
中わり折り Inside-reverse fold

内側を割るようにして
カドを出すように折る
Push the corner in
the middle.



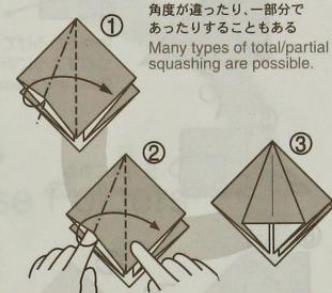
かぶせ折り Outside-reverse fold

内側を開いてかぶせる
ようすに折る
Open and fold outside.



内側をひろげてつぶすように折る Squash fold

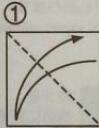
角度が違ったり、一部分で
あつたりすることもある
Many types of total/partial
squashing are possible.



いろいろな記号 Symbols

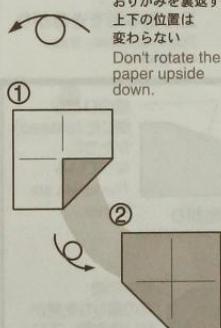
折り筋をつける Making a crease line

一度折ってから戻して
折り筋をつける
Fold and mark a
crease line, then
unfold.



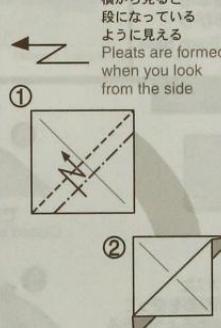
裏返す Turn paper over

おりがみを裏返す
上下の位置は
変わらない
Don't rotate the
paper upside
down.



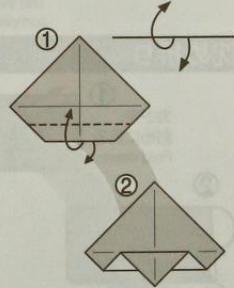
段折り Pleat fold

横から見ると
段になっている
ようすに見える
Pleats are formed
when you look from the side

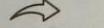


下の部分を出すように折る Release bottom flap when making a fold

Release bottom flap
when making a fold



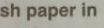
次の図が 大きくなる A magnified view



仮想線・透視線 A hidden line

虚線

押す・つぶす Push paper in



引き出す Pull out



ひろげる Open up



○と○を 合わせて折る Match circled points



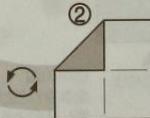
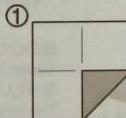
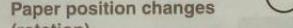
巻くように折る Roll the flap by repeated folds



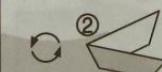
注意するところ Marked points



次の図の見る位置が変わる Paper position changes (rotation)

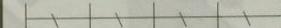


視点が大きく変わる場合
この記号の位置から見る
The viewpoint shifts to
this position.

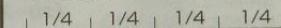


等分記号 Division

長さの等分 Dividing the length

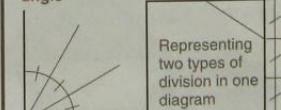


数字で表す場合もある
The ratio is often represented
with numbers.



角度の等分 Dividing the angle

1つの図で2種類の
等分を表す場合

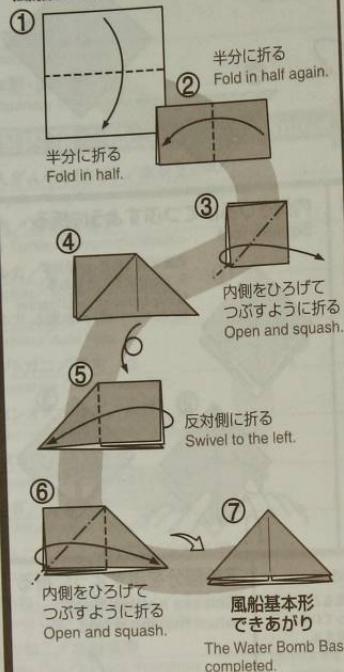


Representing
two types of
division in one
diagram

基本形／沈め折り

基本形 Preliminary bases

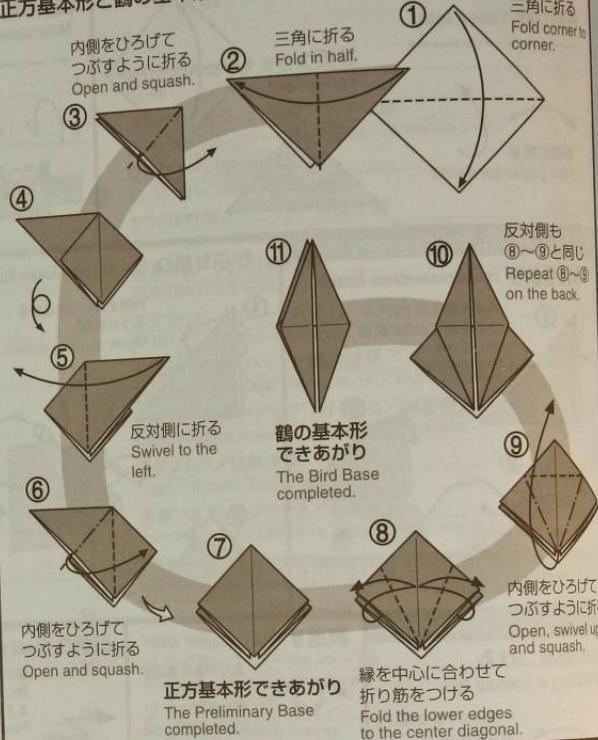
国船基本形 Water Bomb Base



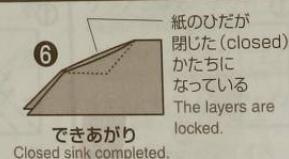
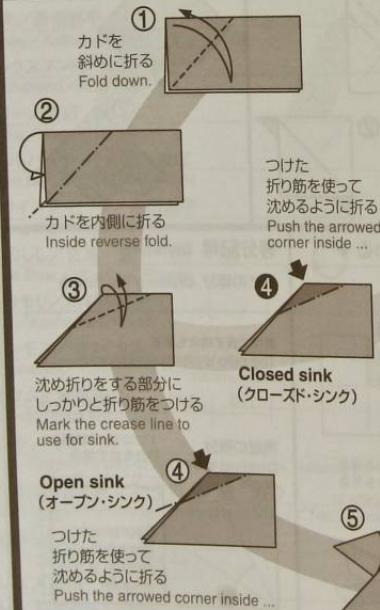
Preliminary Bases and Sink

シマホーントウワシの基本形 Preliminary Base / Bird Base

三角に折る
Fold corner to corner.



沈め折り Open sink / Closed sink



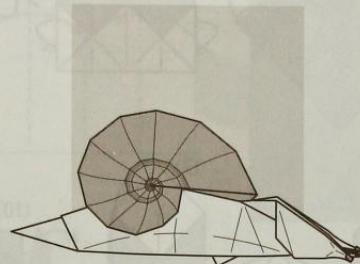
ひだの形によってはclosed sink
にしかできない場合もあります
Certain complexes of layers allows
only for closed sink.



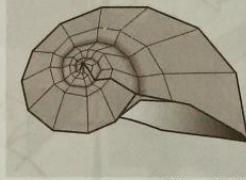
第12回

折紙探偵団コンペーション折り図集

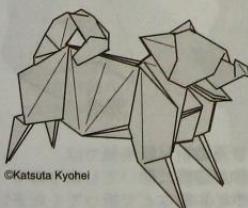
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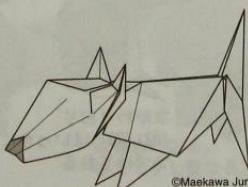
国内編／Models by Japanese Folders



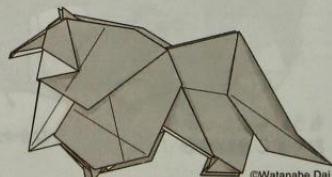
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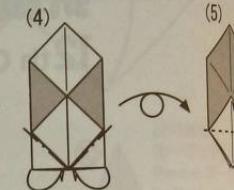
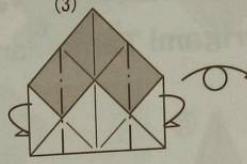
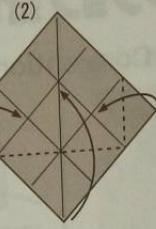
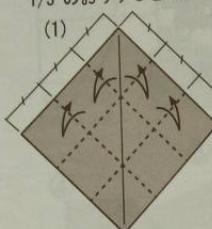
©Watanabe Dai

ぺんぎんくん (ちび) Penguin-Kun, chick

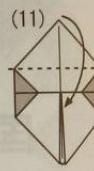
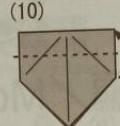
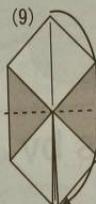
木村良寿
Kimura Yoshihisa

2004.07.25 創作 Designed
2005.08.05 作図 Drawn
05年東京コンベンション
にて講習済

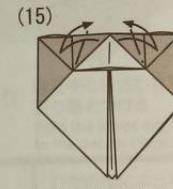
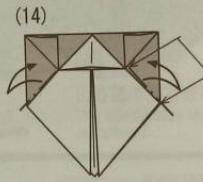
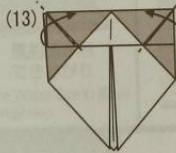
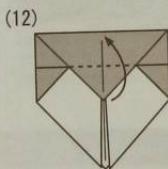
1/3 のおりすじをつける



なかわりおり

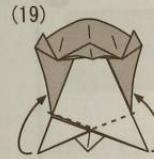
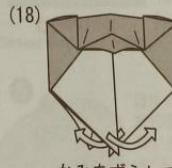
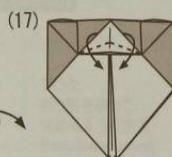
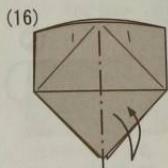


かどを内側にいれる



このはんいでしっかりと
やまおりのおりすじをつける

こちらはまがっているていどの
ゆるいおりすじをつける

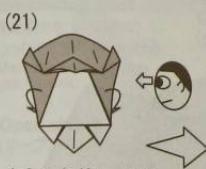


やまおりで
おりすじをつける

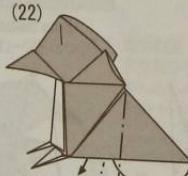
かぶせおりかな?

かみをずらして
くみあわせる

あしをまぶ
だすように



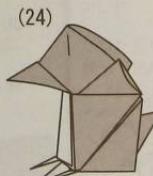
もういちどしっかりと
おりすじをつける



なかわりおり



なかわりおり
(22)(23)はいっくに
つづけておる



普通の折り紙用紙では
体が自然に開いてしまうので
ホイル紙などで折ってください

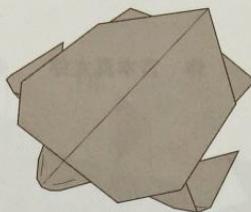


完成

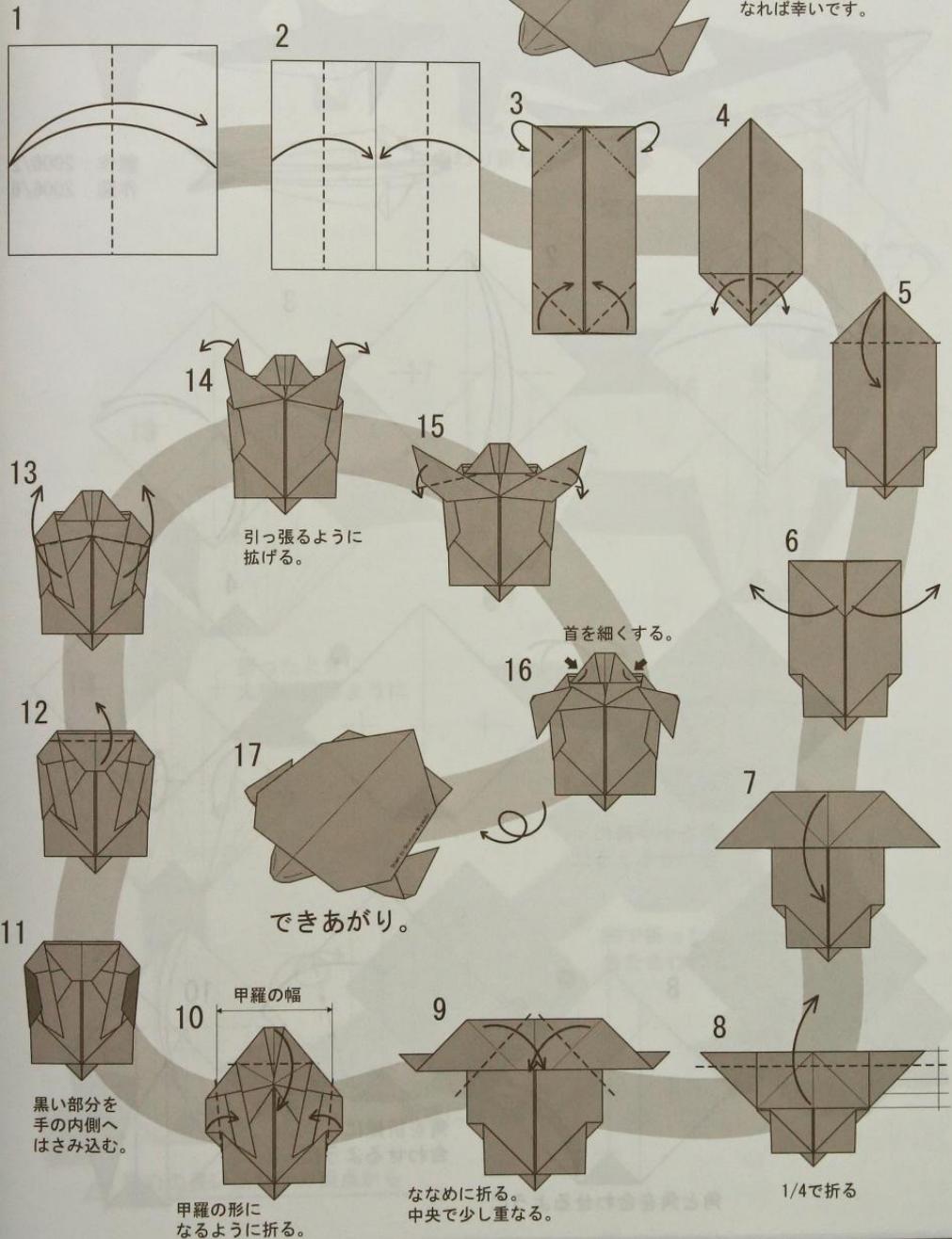
海亀

Sea Turtle

創作 : 宮本真理子 / 2006. 5

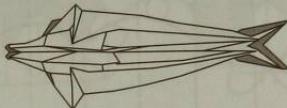
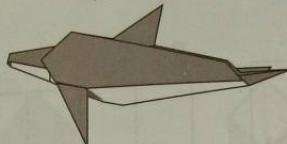
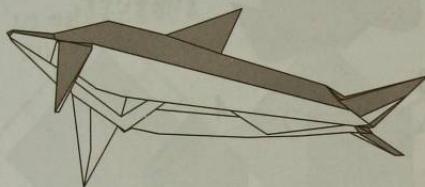
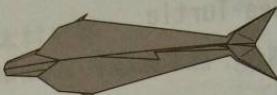


この作品は折紙教室用に
考えた作品です。
折図の工程は教えるときの
工程となっています。
講師をされる方々の参考に
なれば幸いです。



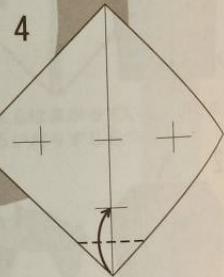
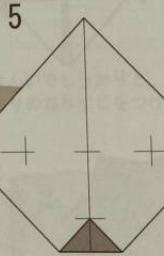
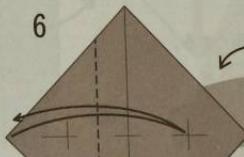
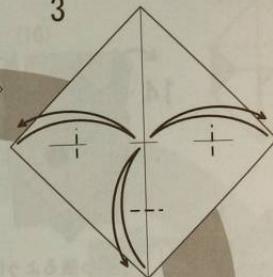
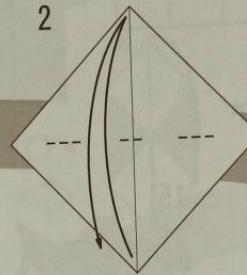
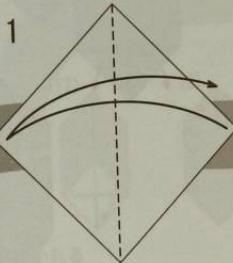
イルカ

作：宮本真太郎

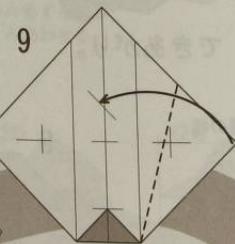
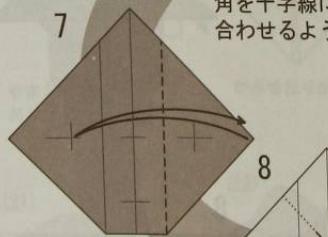


創作：2006/2

作図：2006/6

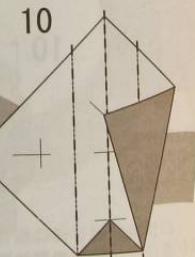


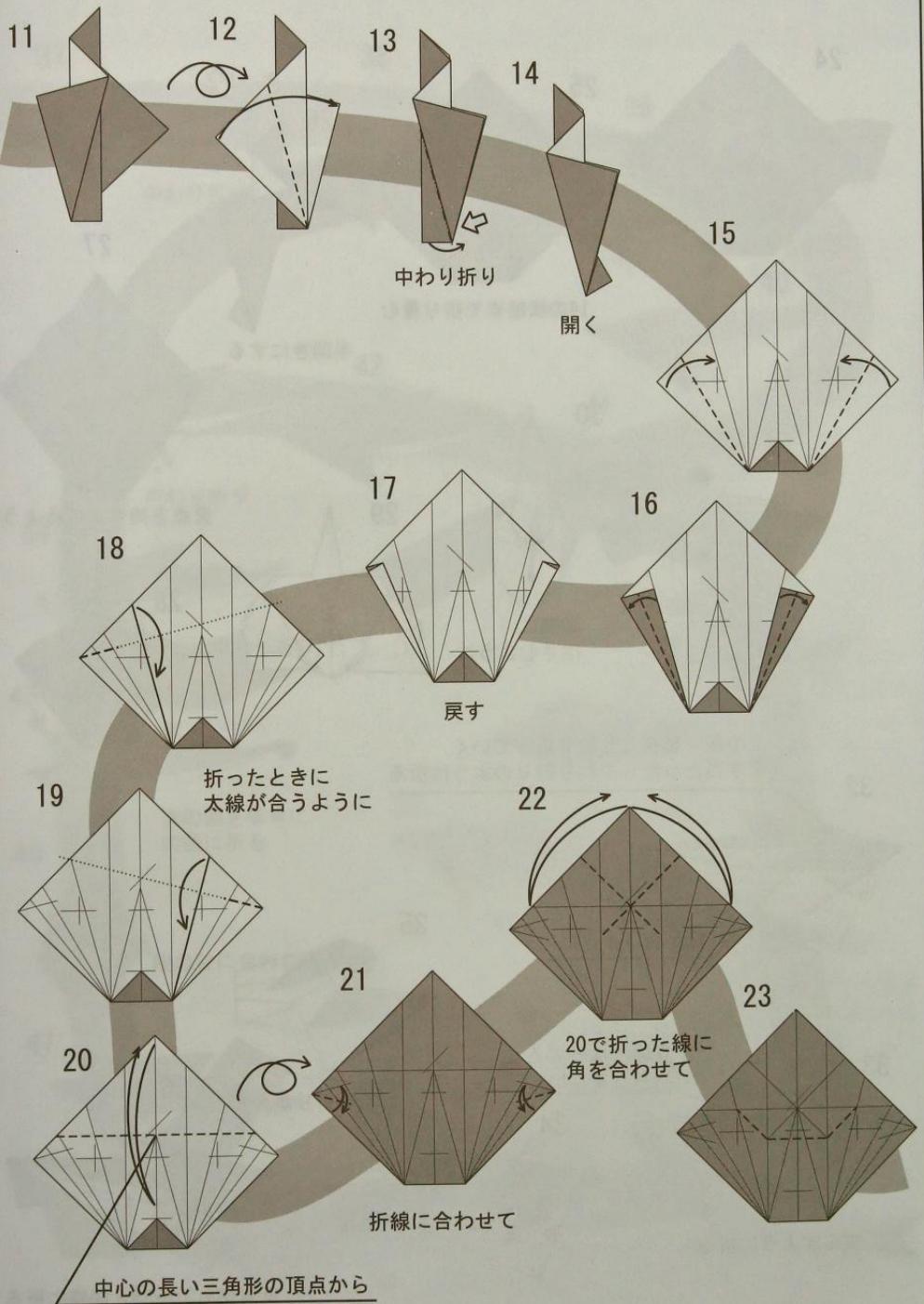
角を十字線に
合わせるように



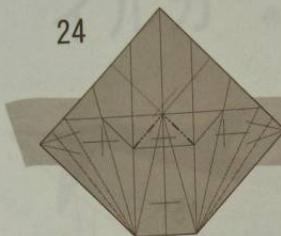
角を折線に
合わせるように

角と角を合わせるように

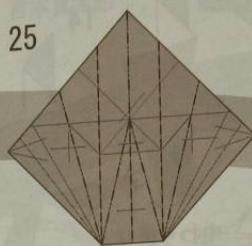




24



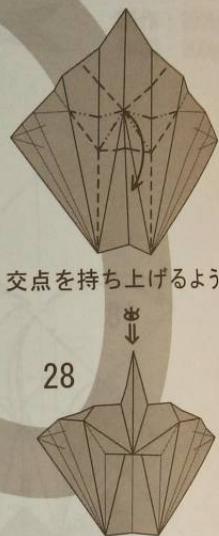
25



26



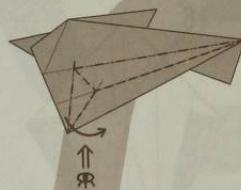
27



14の状態まで折り置む

半開きにする

31



30

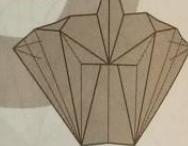


隙間に
はさむように

29

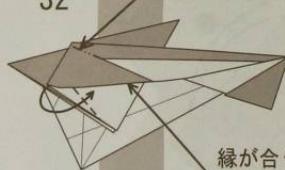


28



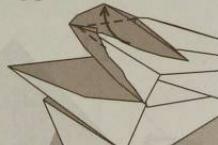
交点を持ち上げるように

32

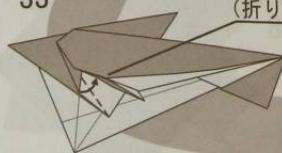


縁が合うように

35

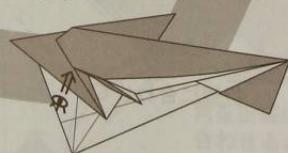


33



半立体になっている
(折り畳まない)

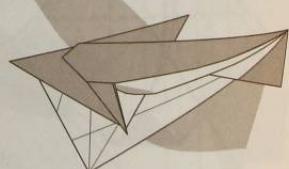
34



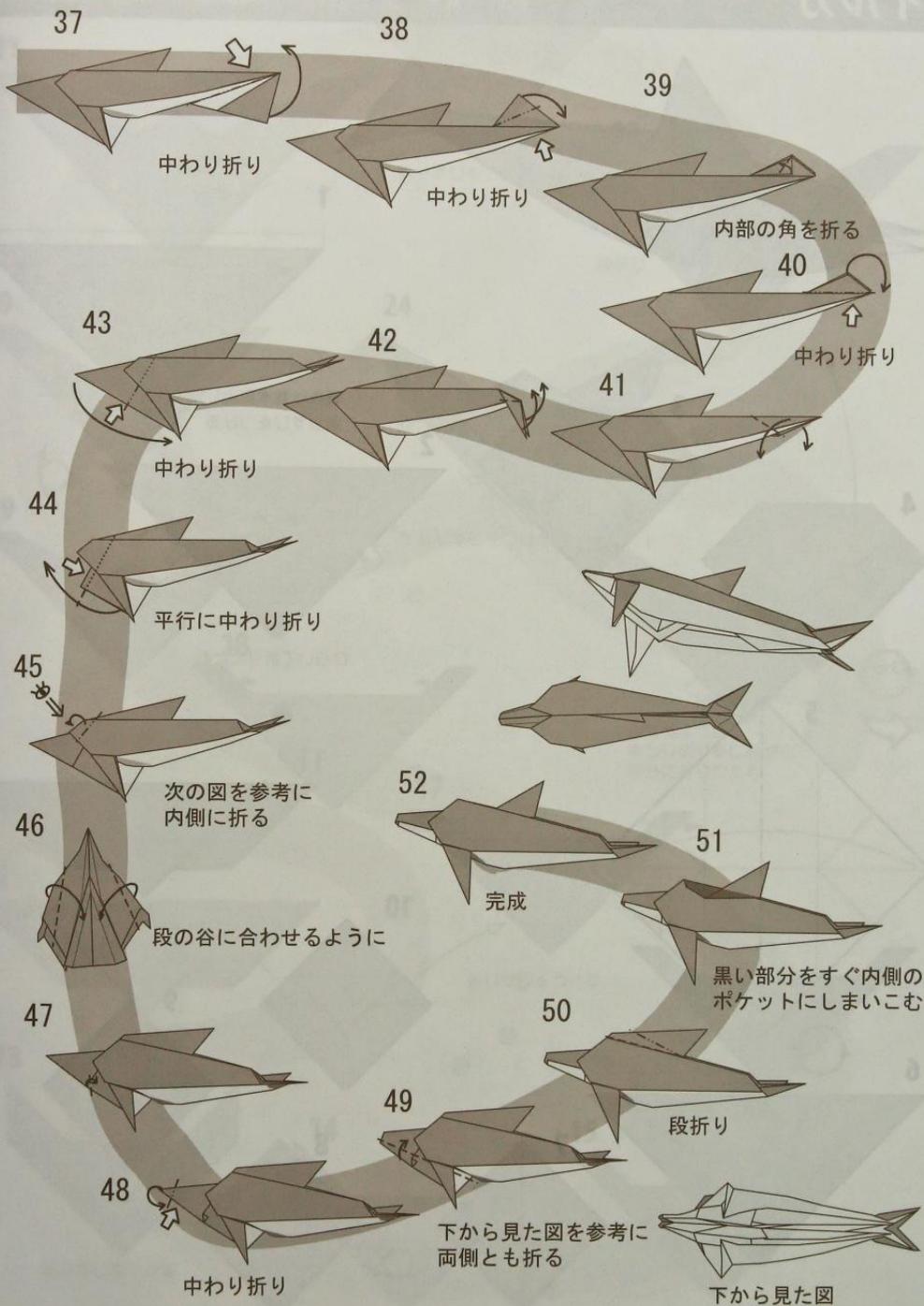
すらすように折る

ヒレを折りかえす

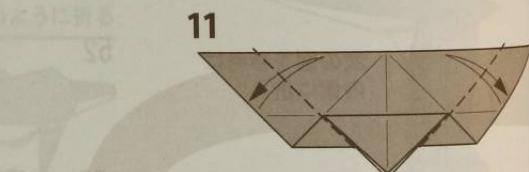
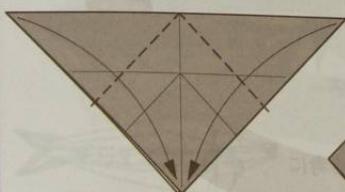
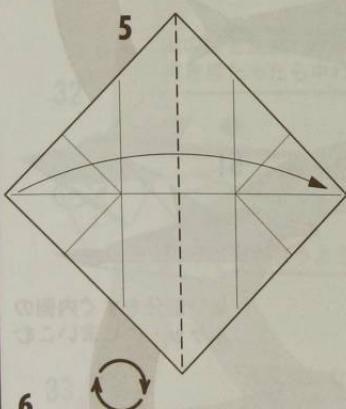
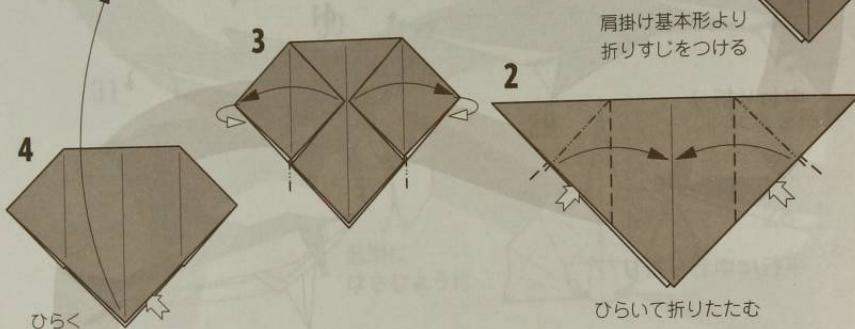
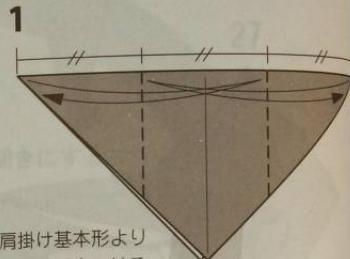
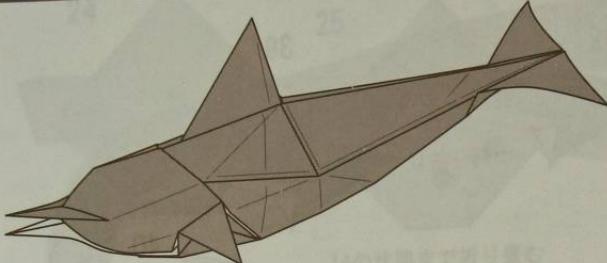
36



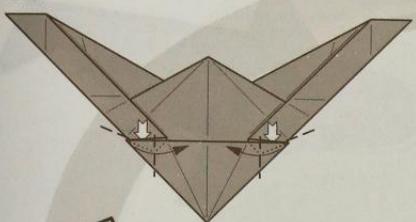
反対側も31～35と同様に折る



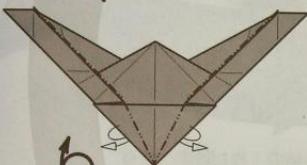
イルカ



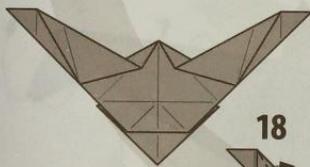
21



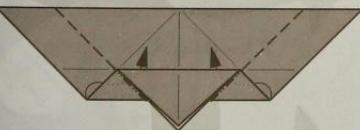
20



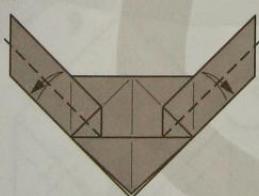
19



12

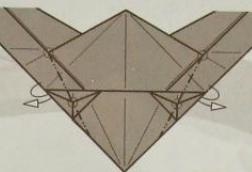


13



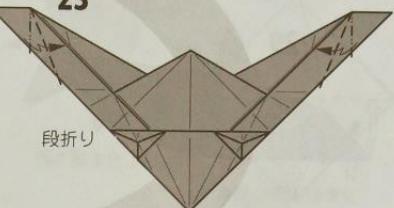
折りすじをつける

22



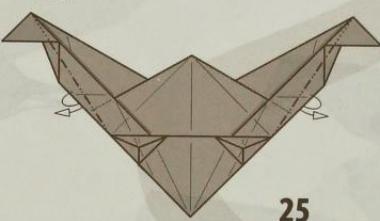
折りすじをつける

23



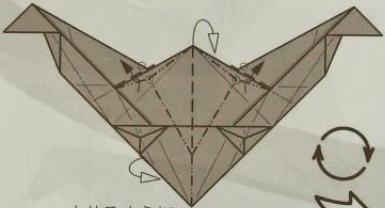
段折り

24

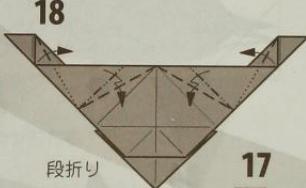


折りすじをつける

25

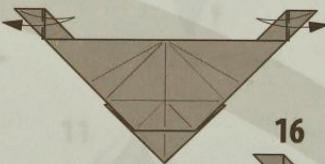
よせるように
中わり折りをしながら
半分に折りたたむ

18



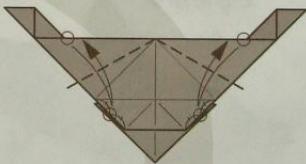
段折り

17

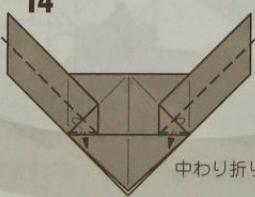


折りすじをつける

16

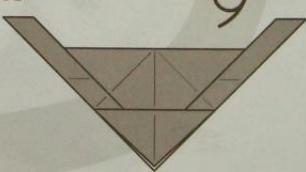


14



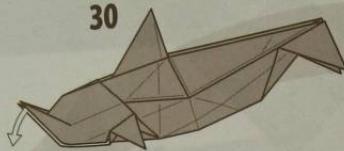
中わり折り

15

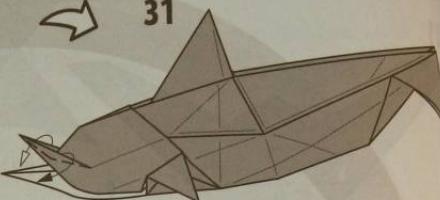


9

30



31

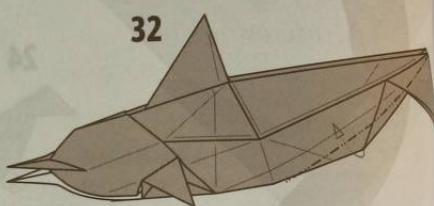


29

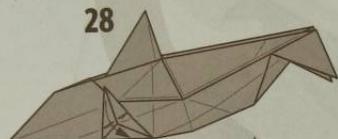


かぶせ折り

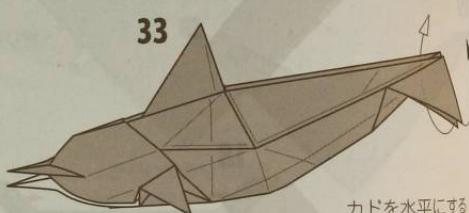
32



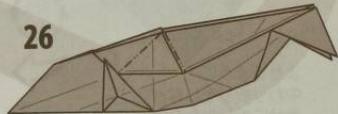
28



33

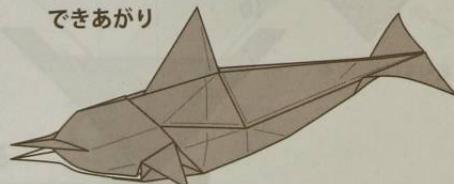


26



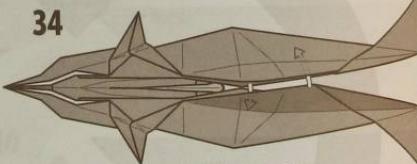
折りすじをつける
反対側も同じ

できあがり



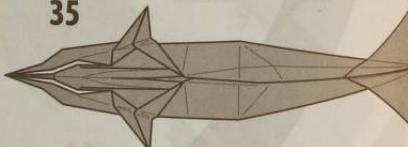
カドを水平にする

34



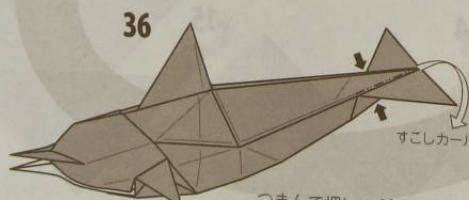
交互に差し込む

35



すこしカールさせる

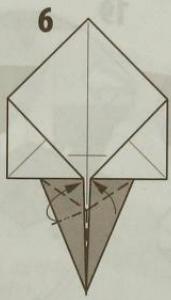
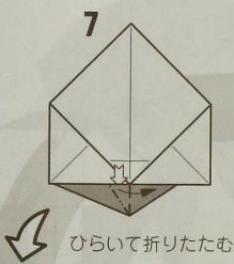
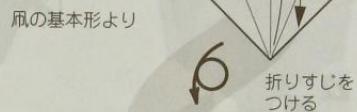
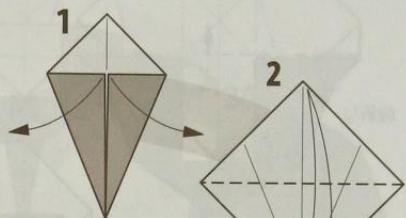
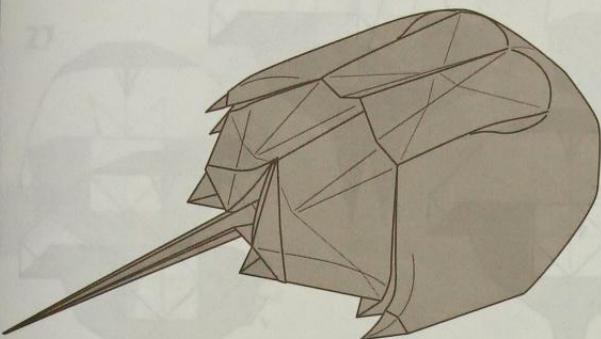
36



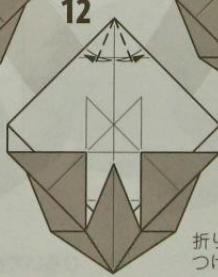
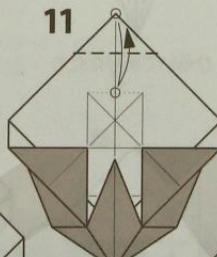
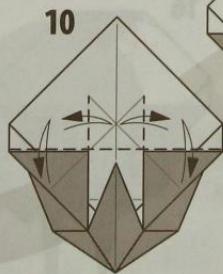
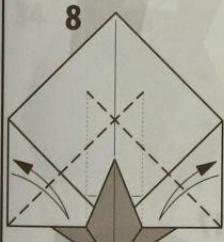
つまんで押しつぶす

カブトガニ

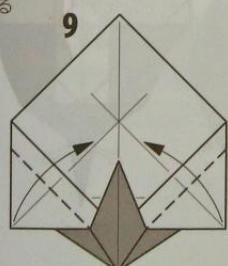
創作：青木 良 試作：2003.8.6 修正：2005.12 作図：2006.6.18

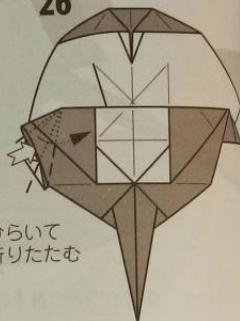
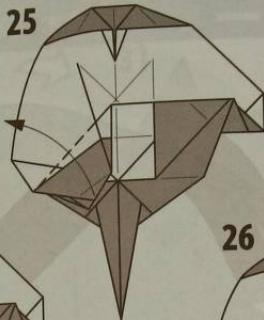
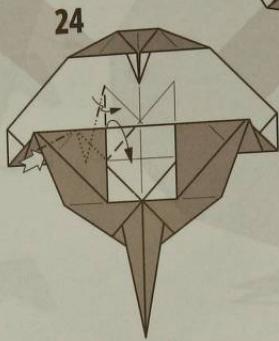
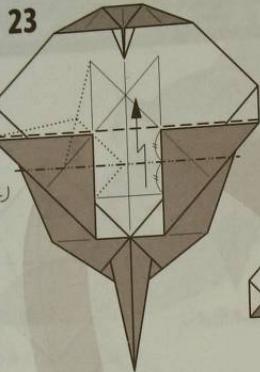


折りすじをつける

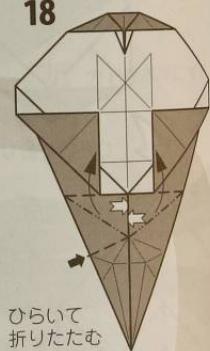
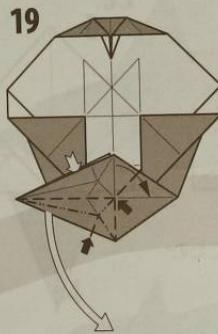
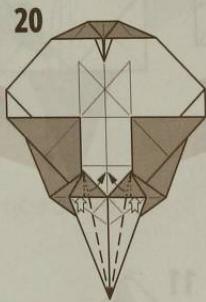
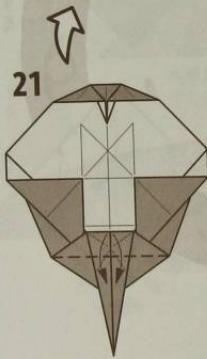


折りすじをつける

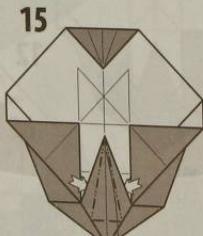
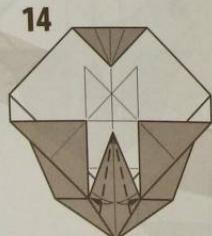




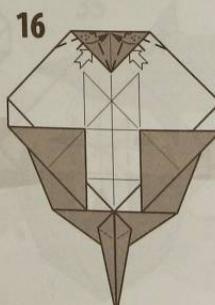
段折りしながら
ひらいて折りたたむ



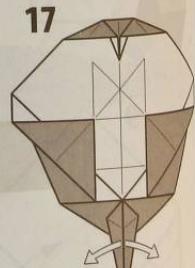
ひらいて折りたたむ



ひらいて折りたたむ

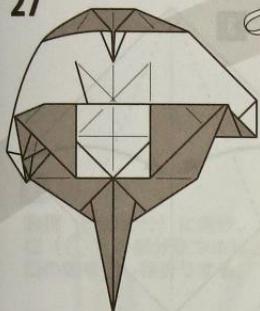


ひらいて折りたたむ



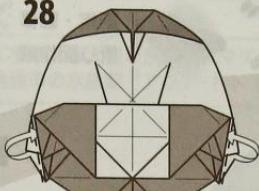
ひらく

27



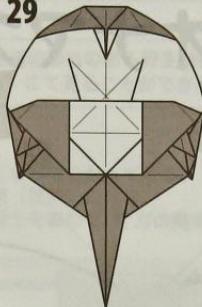
反対側も24~26と同じ

28

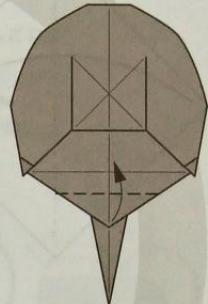


差し込む

29

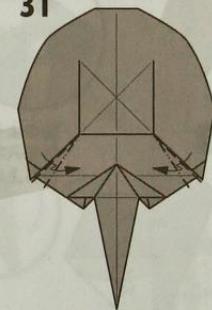


30



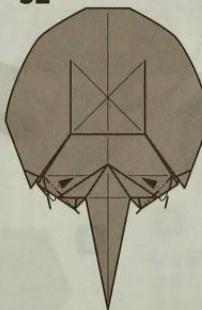
31

31

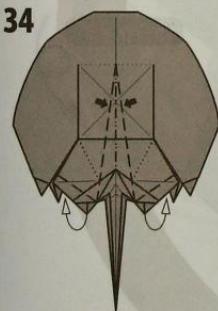


32

32

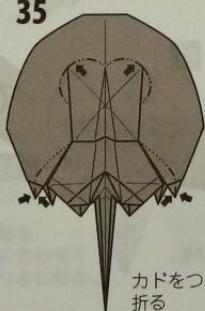


中わり折り

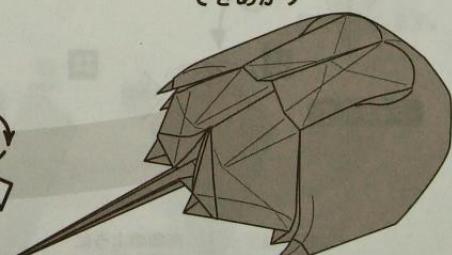


中心を山型にする

35

カドをつまむように
折る

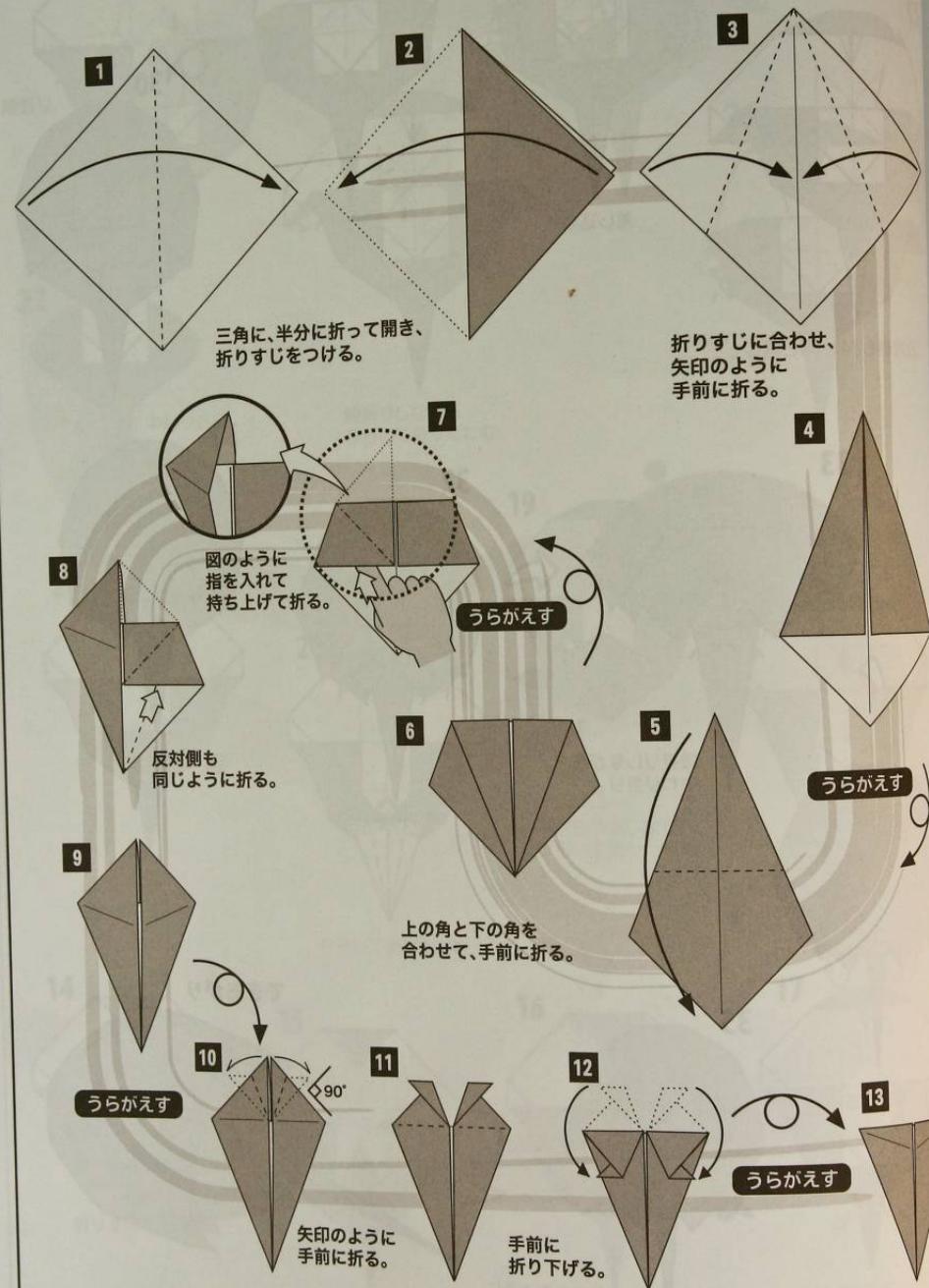
できあがり



メコンオオナマズ



創作・監修: 水野 健/created 2004
折り図作成: 水野香織



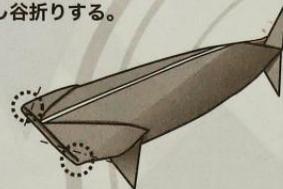
メコンオオナマズとは

東南アジア・メコン川に生息する大型の淡水性ナマズ。絶滅の恐れのある野生動物としてワシントン条約で保護されている。岐阜県各務原市の水族館“アクア・トト ぎふ”にて見ることができる。

学名: *Pangasianodon gigas*

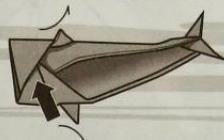
21

表側（背の部分）に向か、
口（○）の部分をつぶし、
口の端を少し谷折りする。



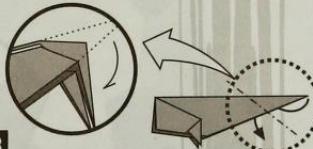
うらがえす

20 ひれを外にむかって折る。
裏側（腹側）に向け、
角同士をあわせ、片方の奥まで差しこむ。



19

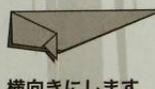
しっぽを折り出す その2
上のかさなり部分だけを
上に中わり折り。



18

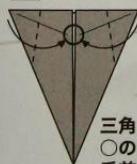
しっぽを折り出す その1
かさなっている2まいとも
つるの頭のように中わり折り。

17



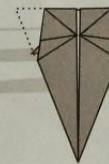
横向きにします。

14



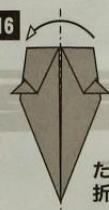
三角の両端を
○の中心に合わせて
手前に折り合わせる。

15



うらがえす

16



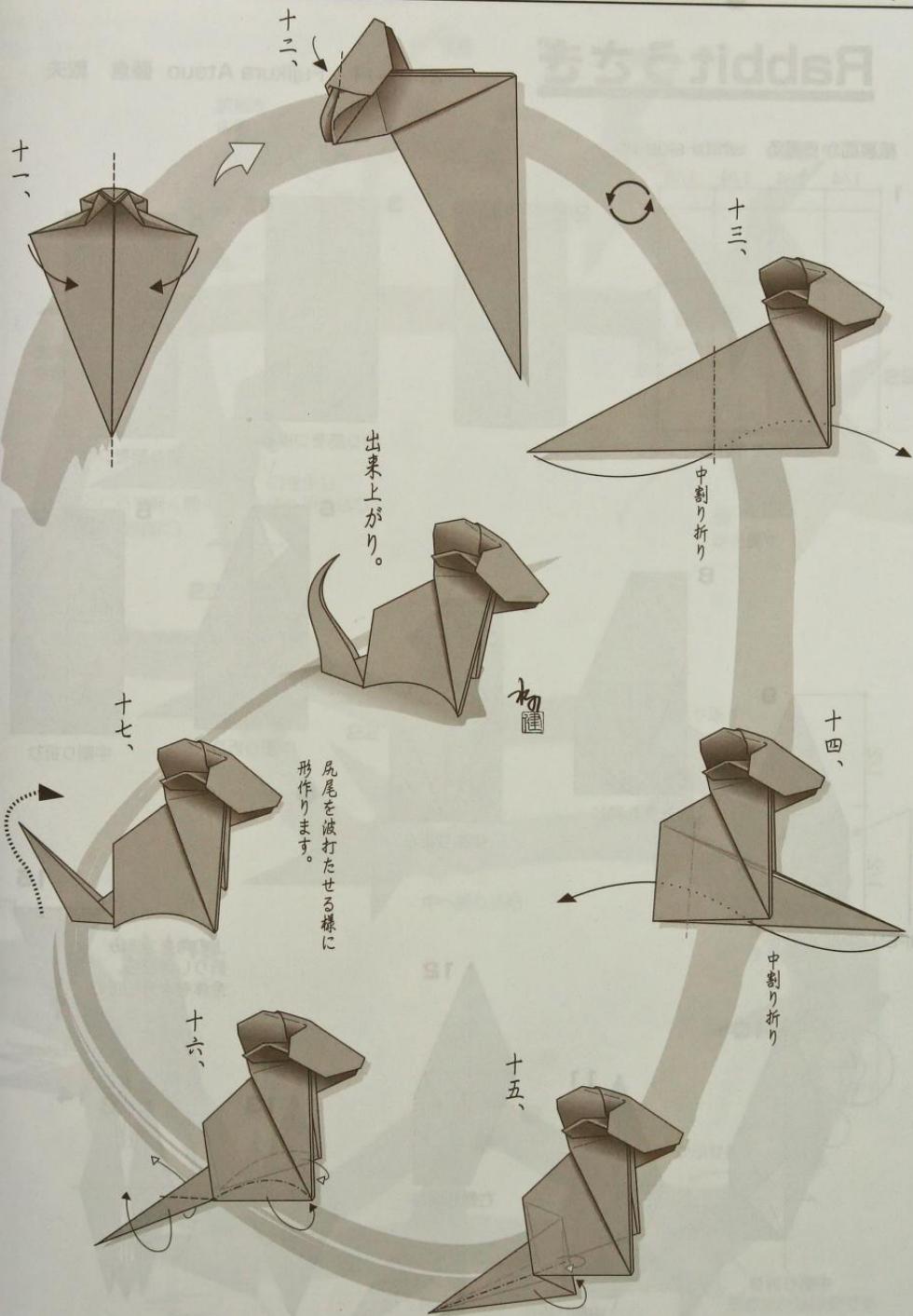
たてに半分に
折り合わせる。

ネズミ式

2003.03.02 制作
水野 健

2006.06.22 折図 水野香織

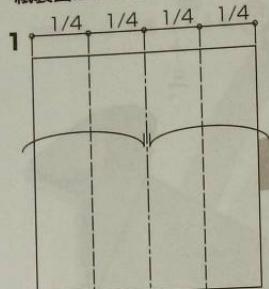




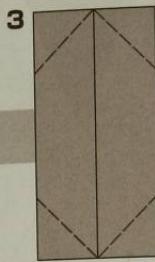
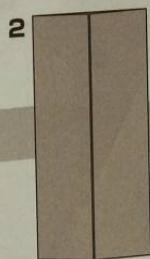
Rabbitうさぎ

2005-11 Fujikura Atsuo 藤倉 敦夫

紙裏面から見る white side up



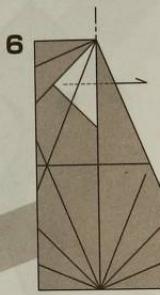
折り筋をつける



折り筋をつける



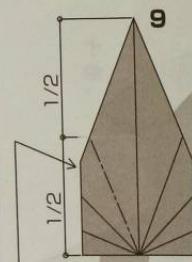
折り筋をつける



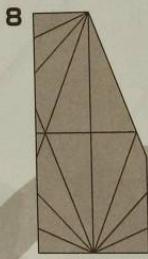
中割り折り



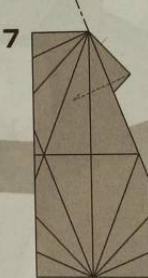
中割り折り



OPEN SINK



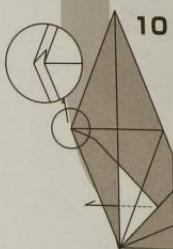
左側も同じ



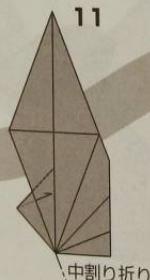
中割り折り



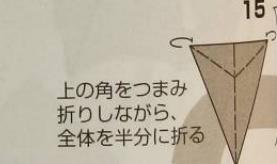
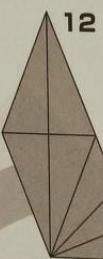
右側も同じ



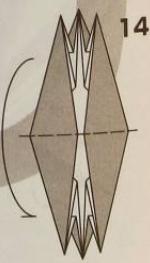
中割り折り

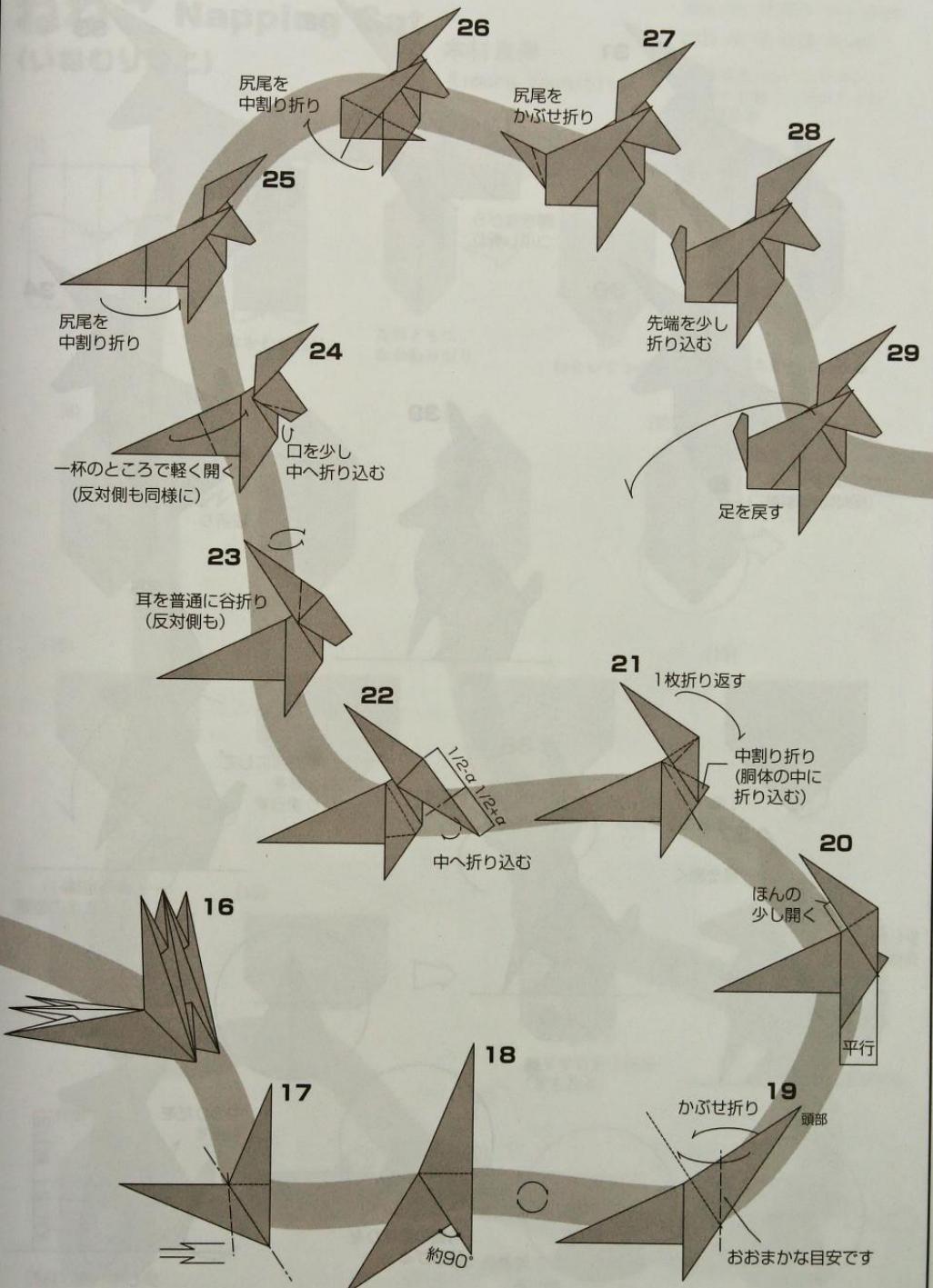


中割り折り

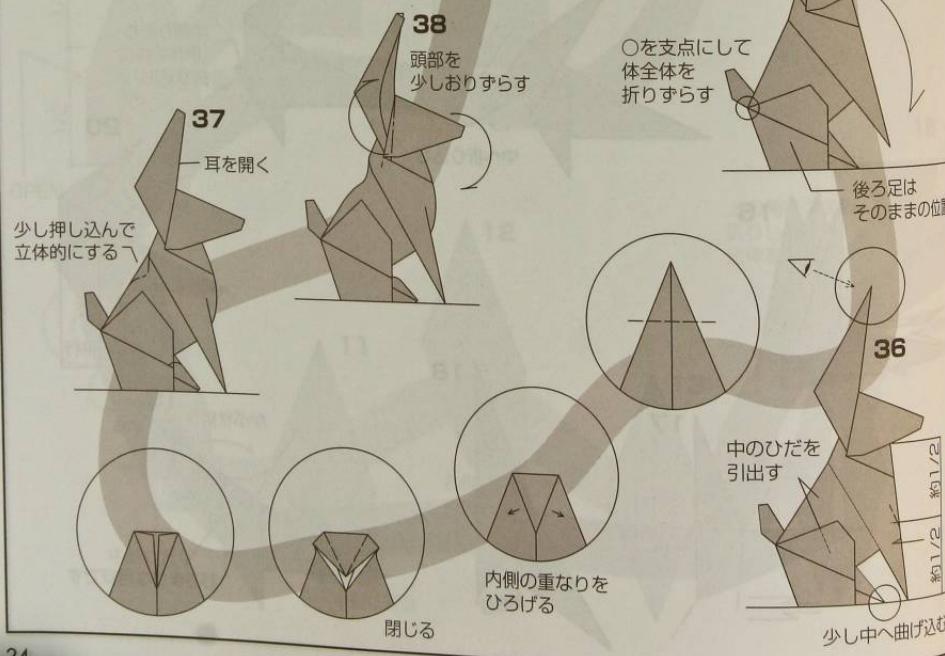
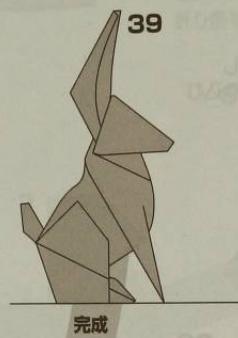
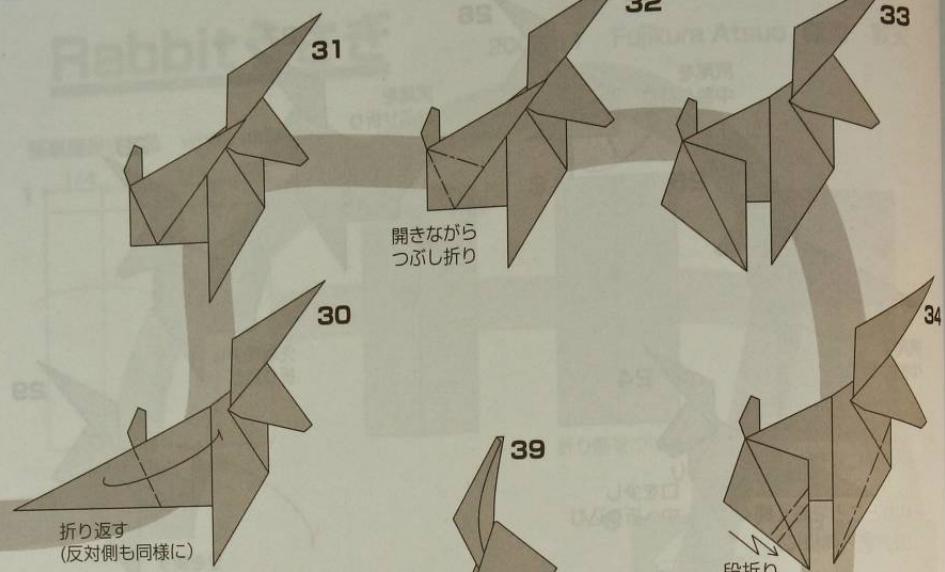


上の角をつまみ
折りしながら、
全体を半分に折る





ね
い



ねねこ Napping Cat (いねむりねこ)

木村良寿
Kimura Yoshihisa

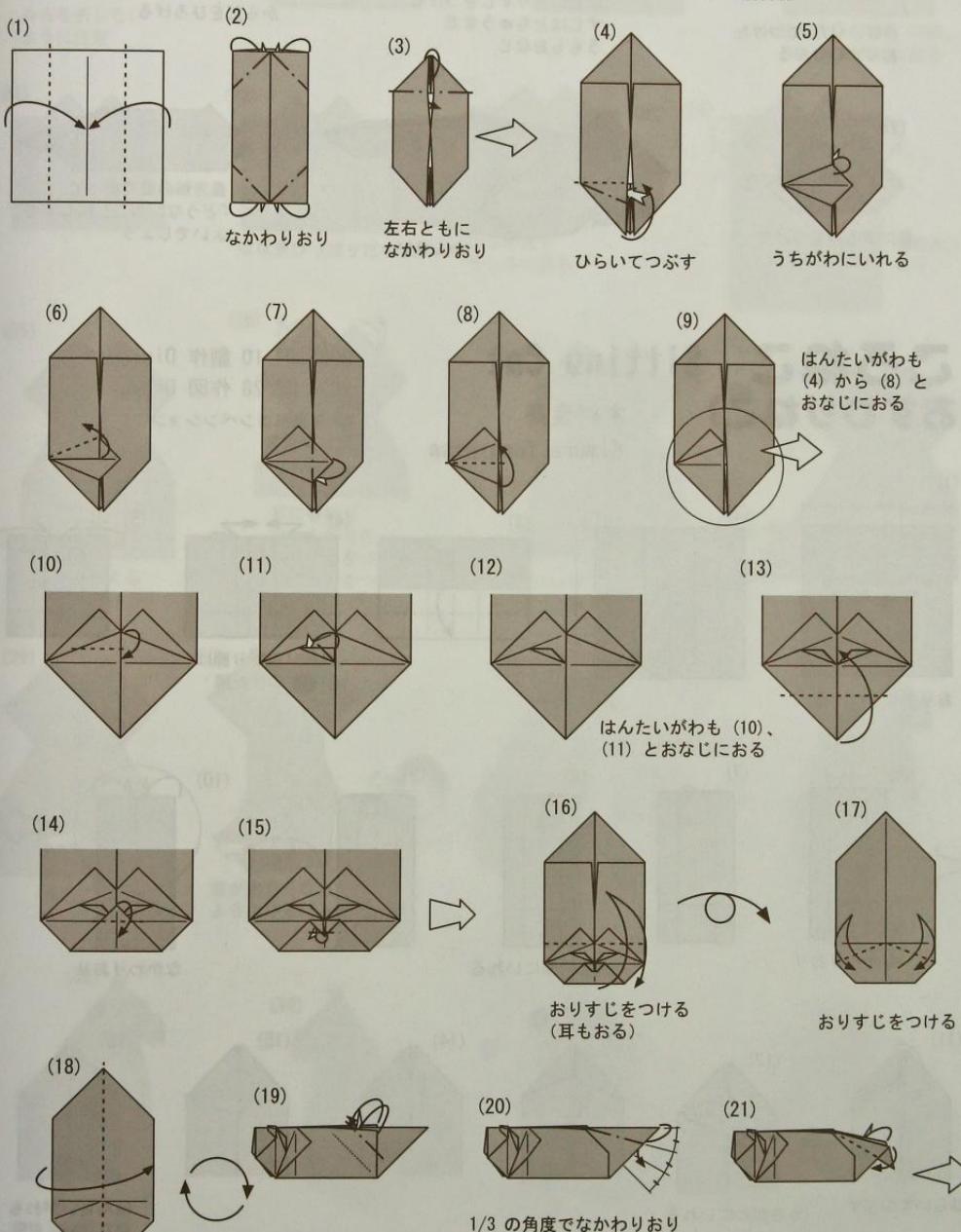
2005.06.12 創作 Designed

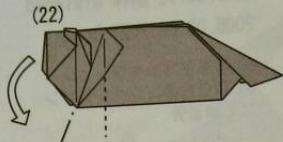
2005.08.02 作図 Drawn

05年東京コンベンション

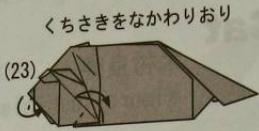
05年名古屋コンベンション

にて講習会

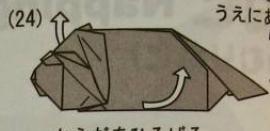




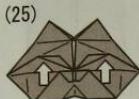
(16)、(17) でつけた
おりすじである



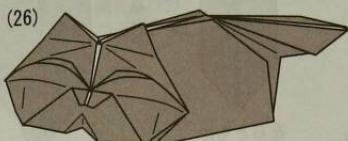
くちさきをなかわりおり
ほおにおりすじをつける
すじはとちゅうまで
うらもおなじ



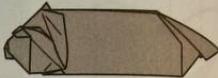
からだをひろげる



目にまるみをつけて



かんせい



長方形の紙で折って
「どうながねこ」にしても
よいでしょう

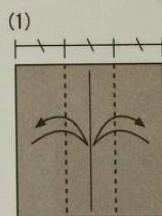
ころねこ Sitting Cat (おすわりねこ)

木村良寿
Kimura Yoshihisa

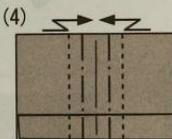
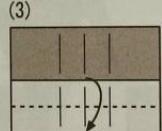
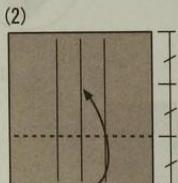
2005.07.10 創作 Designed

2006.06.28 作図 Drawn

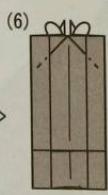
05年東京コンベンション
にて講習済



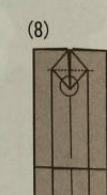
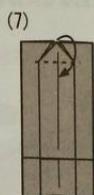
おりすじをつける



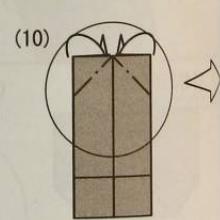
段折り谷折り線は
(1) でつけた線



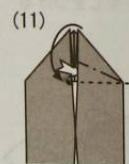
なかわりおり



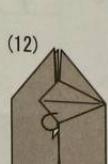
角を内側にいれる



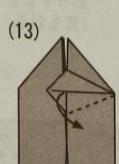
なかわりおり



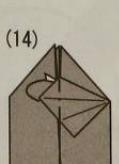
ひらいてつぶす



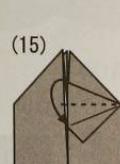
うちがわにいれる



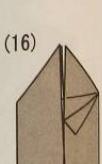
(13)



(14)

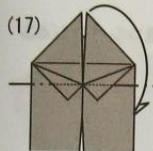


(15)



(16)

はんたいがわも
(11) から (15)
おなじにある



みみを折らない
ように注意

はんたいがわも (18)、
(19) とおなじにおける

なかわり
おり

くみかえる

耳に谷折り
口に山折りの
おりすじをつける
目に丸みをつける

ひらいてつぶす

さしこむ

底が四角くなる
ようにひろげる

頭からおなかに
かけての
おりすじをつける
側面のみで
前からは
見えないように
裏側も同じ

底辺を内側に
折り込む
裏側も同じ

立てるときには
この辺を底辺とする

しっぽを引き出す

かんせい

おなかにメッセージを
書いた紙をさして
「でんごねこ」

27

でぶねこ Tubby Cat

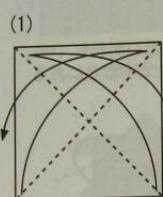
木村良寿 Kimura Yoshihisa

2005.07.13 創作 Disigned

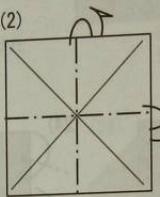
2006.06.25 作図 Drawn

05 年名古屋コンベンション

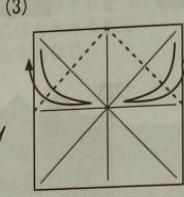
にて講習会



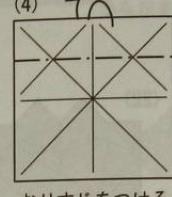
おりすじをつける



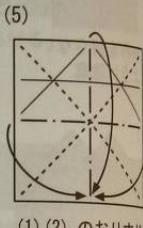
おりすじをつける



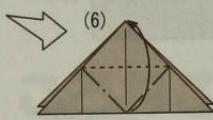
おりすじをつける



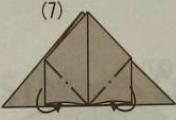
おりすじをつける



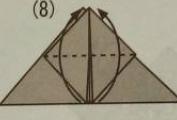
(1)(2)のおりすじをつかって風船の基本形にまとめる



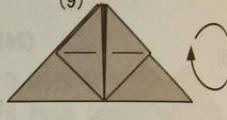
(3)(4)のおりすじをつかって折り上げる



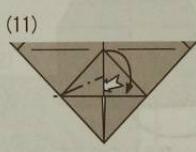
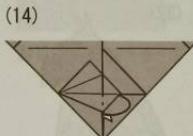
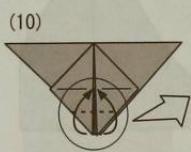
なかわり折り



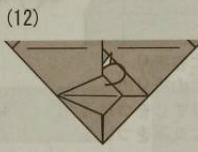
(8)



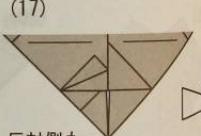
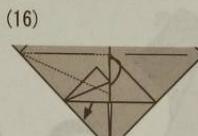
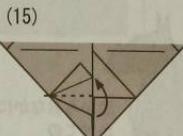
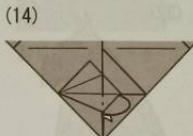
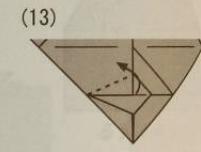
(9)



ひらいてつぶす

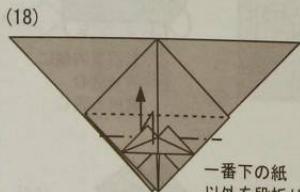


内側にいれる

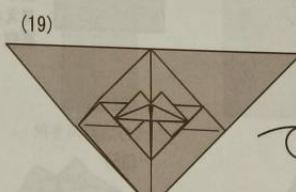


内側の紙をなかわり折り

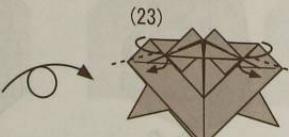
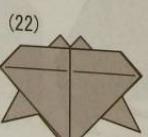
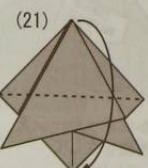
反対側も(11)から(16)と同じに折る



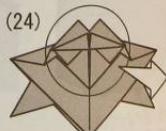
一番下の紙以外を段折り

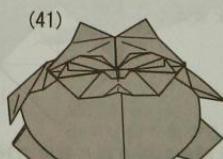
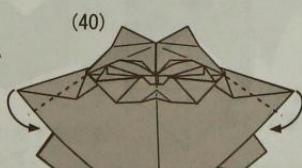
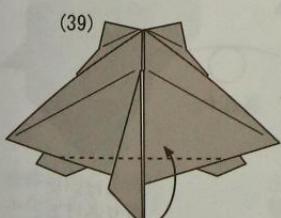
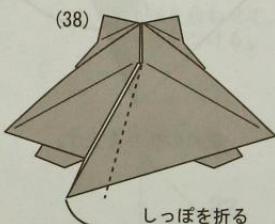
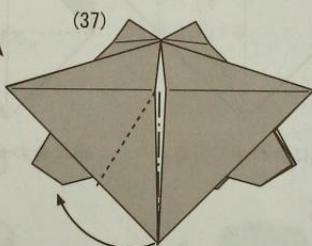
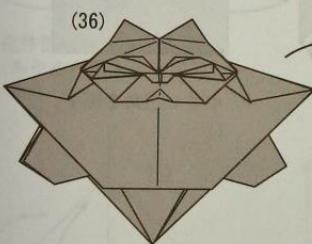
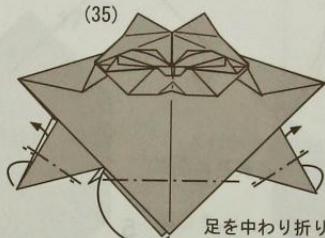
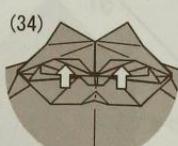
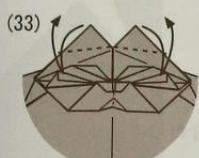
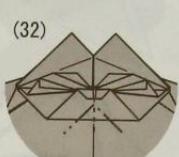
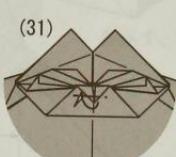
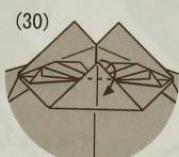
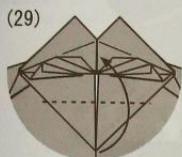
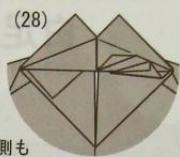
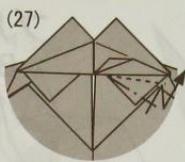
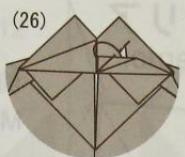
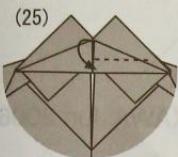


(20)



なかわり折り



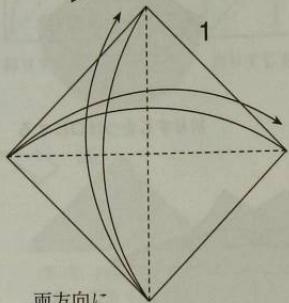
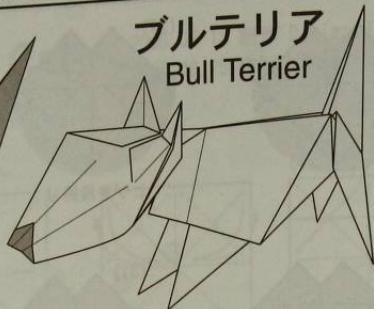


白足袋猫
White Socks

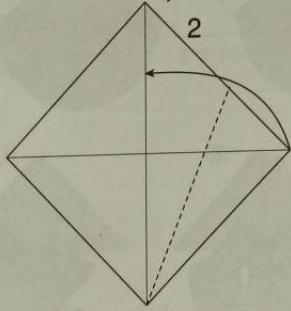
ブルテリア
Bull Terrier

前川淳

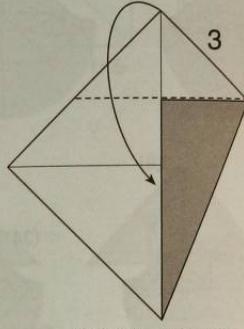
MAEKAWA Jun 2008



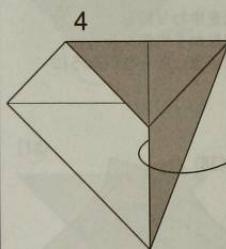
両方向に
対角線の折り目をつける。
(ブルテリアは裏表逆になる)



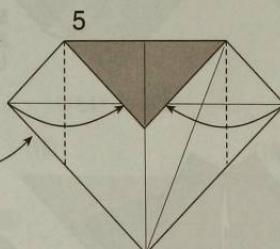
片側だけ対角線に合わせて折る。



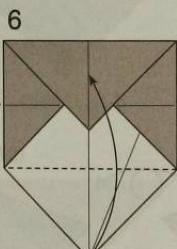
縁に合わせて折る。



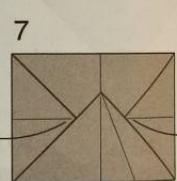
斜めの折り目を戻す。



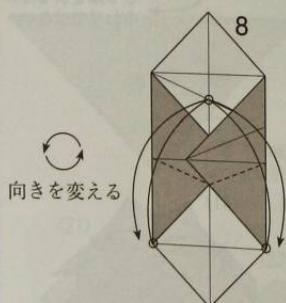
縁に合わせて折る。



縁に合わせて折る。

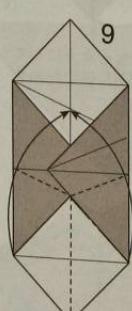


小さい三角を戻す。

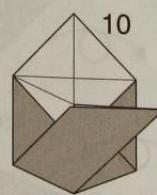


向きを変える

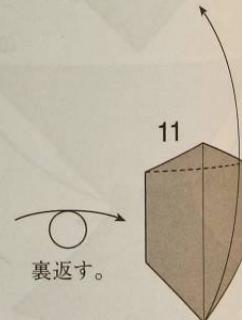
斜めの折り目と垂直の対角線の
交点に合わせて折り目をつくる。



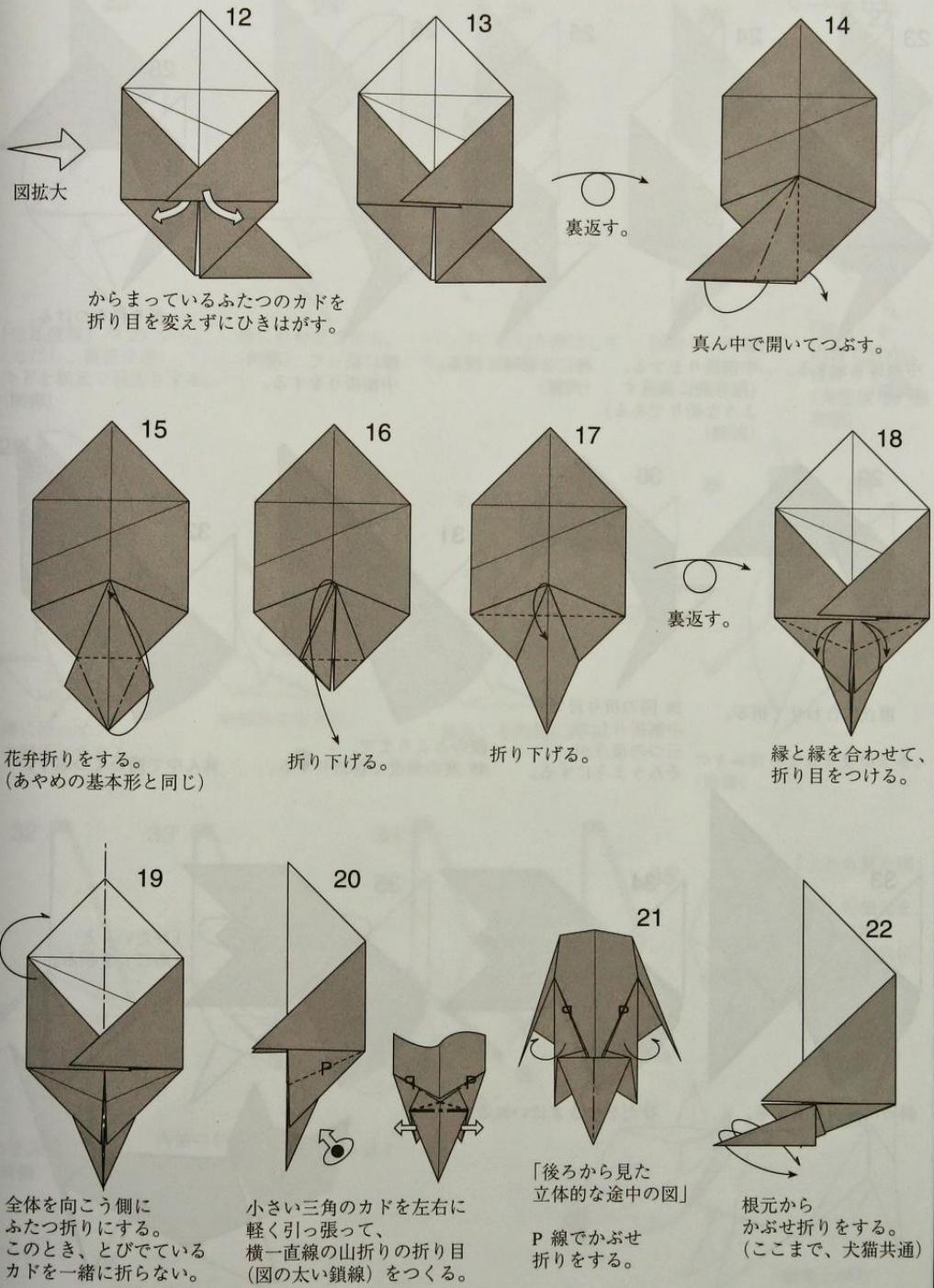
8 図の折り目を使って
つまみ折りをする。



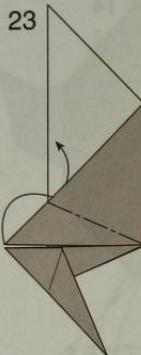
裏返す。



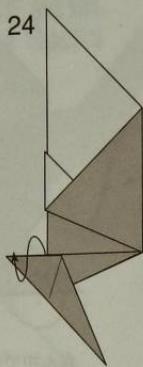
いっぱいに
折りあげる。



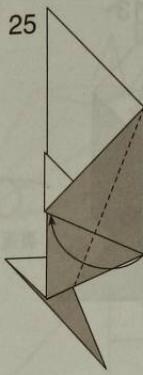
次ページ



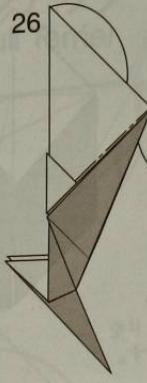
中割折りをする。
(両側)



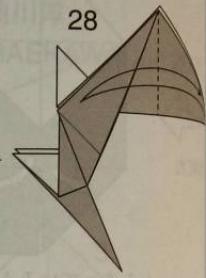
中割折りをする。
(部分的に裏返す
ような折りである)
(両側)



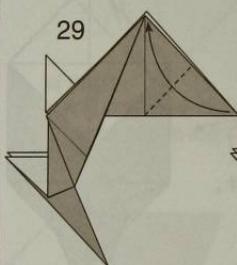
縁に合わせて折る。
(両側)



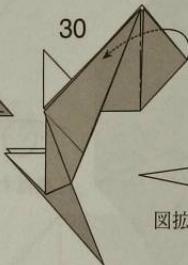
縁に沿って
中割折りをする。



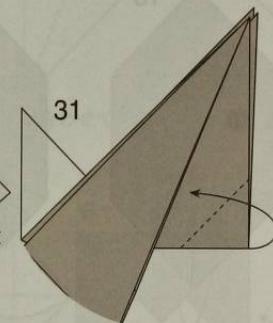
折り目をつける。



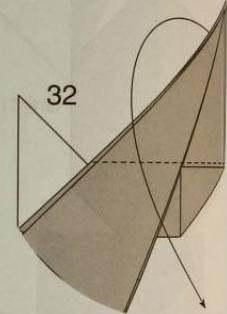
頂点に合わせて折る。



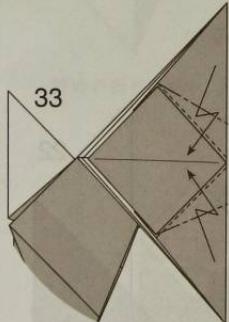
28 図の折り目で
中割折りして、
三つの頂点が
そろいうようにする。



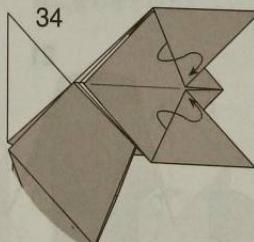
段のところまで、
45 度の角度で谷折りする。



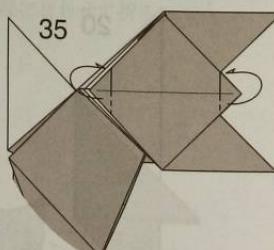
真ん中で開いてつぶす。



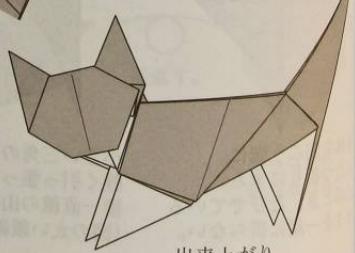
斜めに段折りをする。



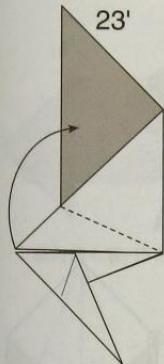
ひだをすきまにいれる。



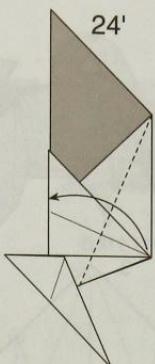
「ひたい」と
「あご」を折る。



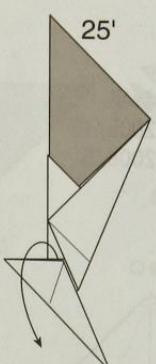
出来上がり



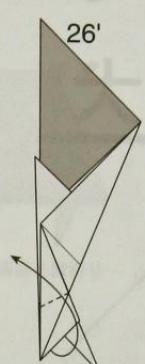
「白足袋猫」の 23 から。
(ただし、裏表は逆)
カドを根元で谷折りする。
(両側)



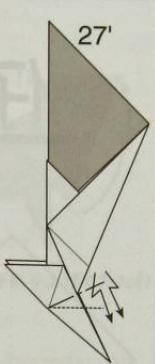
縁に合わせて折る。
(両側)



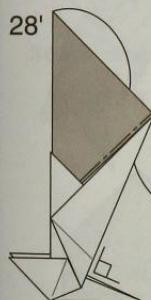
いっぱいに引き伸ばして
つぶす。(両側)



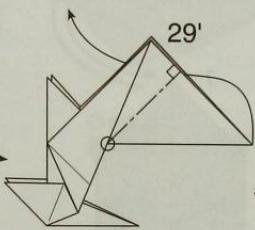
谷折り。(両側)



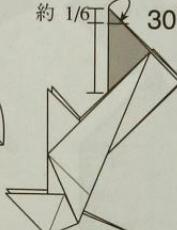
「尻尾」を
内側で斜めに
段降りする。
(角度は 28' 図
参照)



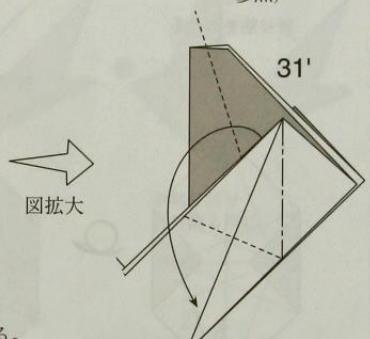
縁に沿って
中割折りをする。



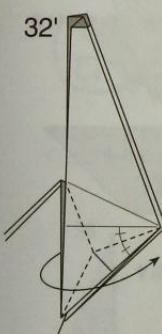
中割折りをする。



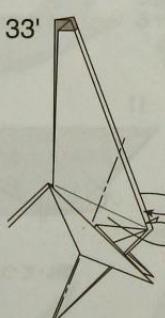
「鼻先」を内側に折る。



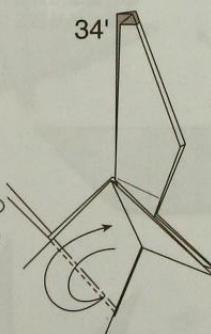
つまみ折りでカドをつくる。
(両側)



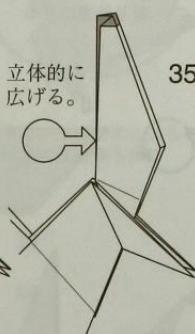
つまみ折り。
(両側)



両側のひだを
真ん中に寄せる。



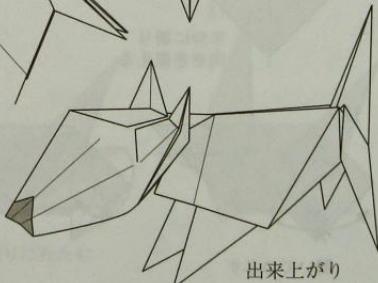
折り目をつける。



立体的に
広げる。

「上から見た図」

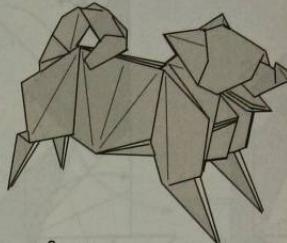
「耳」の根元を
押しつけて
「耳」を中央に
寄せる。



出来上がり

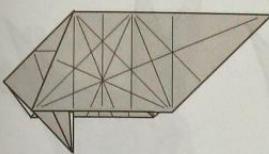
仔犬

勝田恭平
作：2005/12
図：2006/6



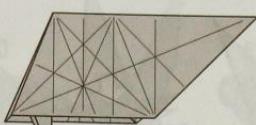
- 1
折り筋をつける
- 2
折り筋をつける
- 3
○と○を結ぶ線で折る
- 4
○と○を合わせるよが
折り筋をつける
残り3ヵ所も同じ
- 5
○と○を結ぶ線で
折り筋をつける
- 6
○を基準に対角の辺に
垂直に折り筋をつける
- 7
○を基準に折り筋をつける
- 8
○を基準に折り筋をつける
- 9
半分に折り
向きを変える
- 10
11
開いてつぶす
- 12
開いてつぶす
- 13
14
○と○を結ぶ線で
後ろに折り込む
- 15
チフチを合わせるように
折りたたむ

16



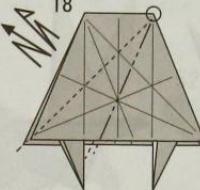
反対側も12-15と同じ

17



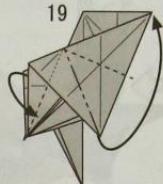
右側も11-16と同じ

18



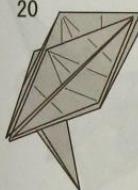
○を支点に両側を段折り

19

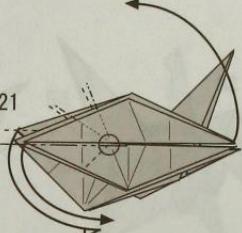


カドを折り上げてたたむ

20

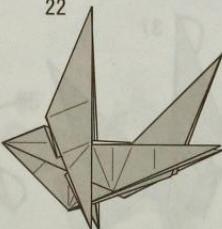


21

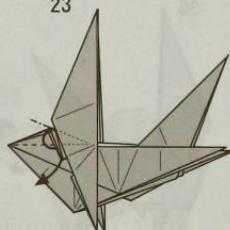


○を支点に
回転させるように折る

22

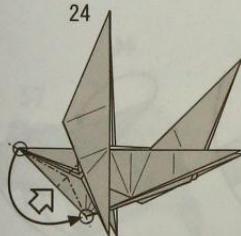


23



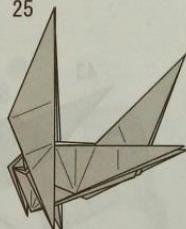
中割り折り
反対側も同じ

24

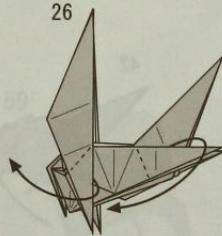


矢印の位置を押し潰しながら
○とOを合わせるように折る

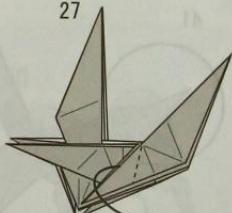
25



26

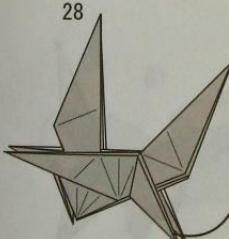


27



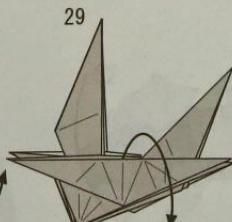
カドをめいっぱいのところで折る
以下36まで反対側も同じ

28



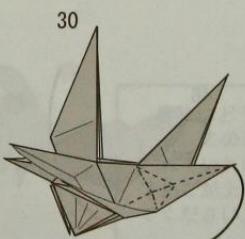
カドを25の状態に戻す

29



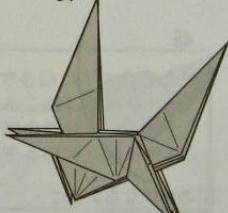
軽く開く

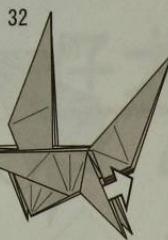
30



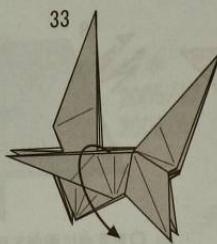
山谷の線通りにたたむ

31

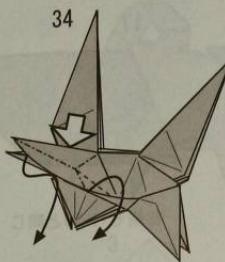




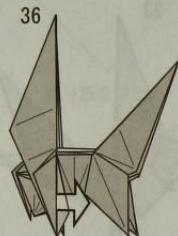
紙を引き出す



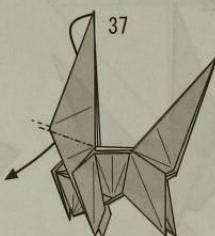
軽く開く



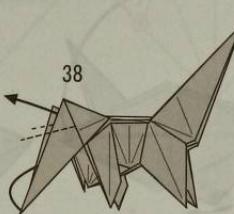
中割り折りしながら
かぶせるように折る



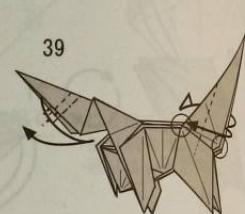
□の形になるように
紙を引き出す
言うほど簡単じゃない



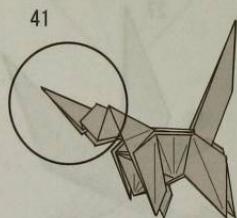
中割り折り



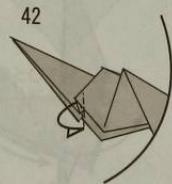
中割り折り



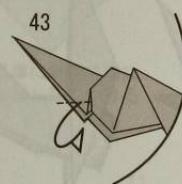
中割り折り×2 ○を合わせるよ
かぶせ折り



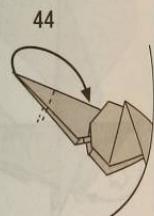
拡大



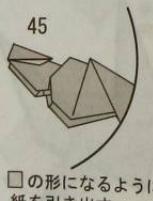
小さく中割り折り
反対側も同じ



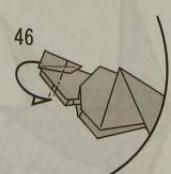
後ろに折り込む
反対側も同じ



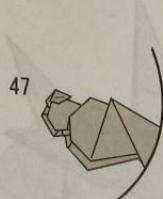
かぶせ折り
開いて谷折りでもよい



□の形になるように
紙を引き出す

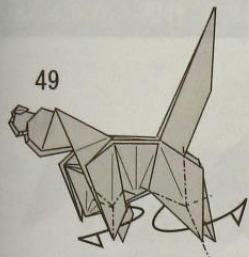


まとめて折り込む



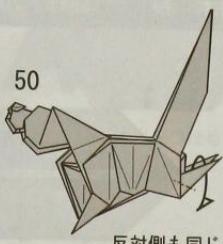
拡大終了



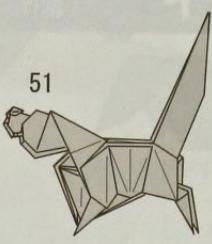


49

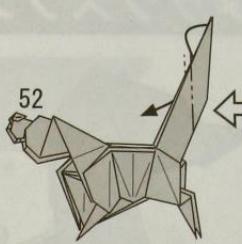
つまむようにして折る
反対側も同じ



50

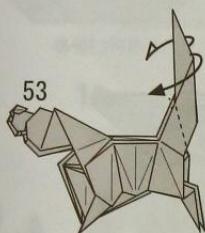


51



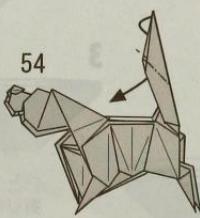
52

潰しながら中割り折り



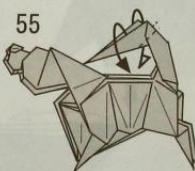
53

かぶせ折り



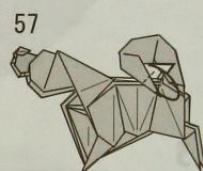
54

中割り折り



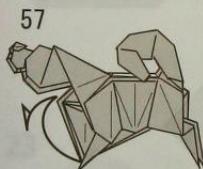
55

かぶせ折り
以下数回繰り返す



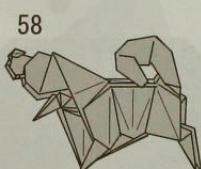
57

内側に折り込む

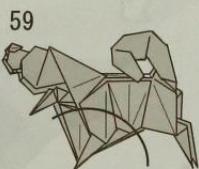


57

中割り折り×2して
下あごを作る

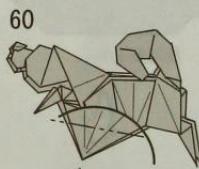


58



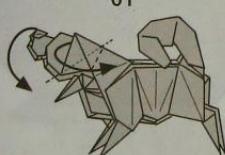
59

透視



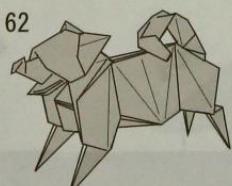
60

沈め折り



61

耳を立て、頭を下げる



62

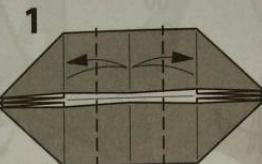
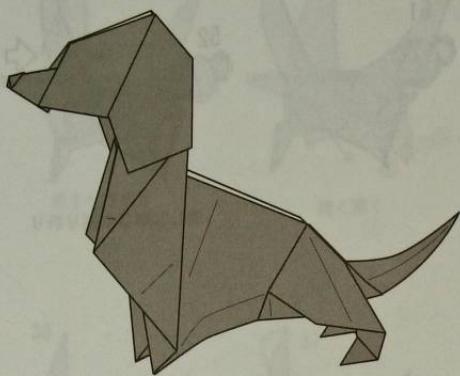
できあがり

最後にどうでもいいギミックとして、このわんこはしっかりと折られていれば胸の部分をつまむと下あごが上下するので、遊んでみてください。

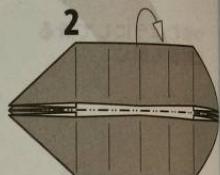
ダックスフント

創作／青木 良

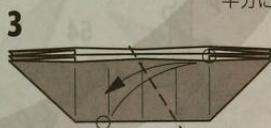
試作／2005.8.3 作図／2006.6.1



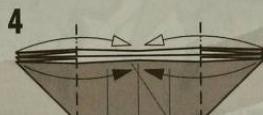
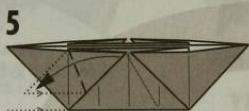
二そう舟基本形より
折りすじをつける



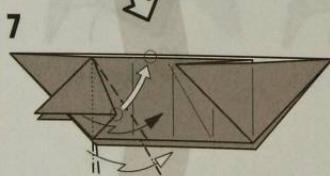
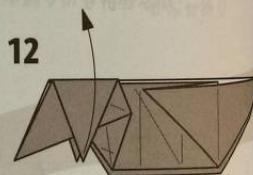
半分に折る



○と○を合わせるように
折りすじをつける



反対側も同じ



かぶせるように段折りをして
○と○を合わせる

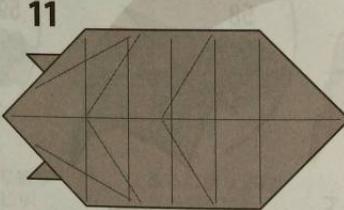
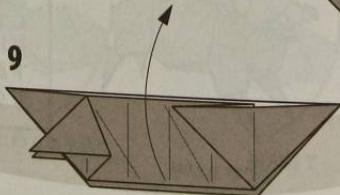


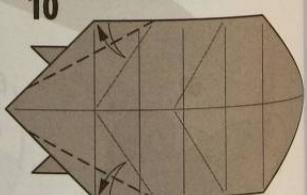
図8の形にもどす



もどす



ひらく



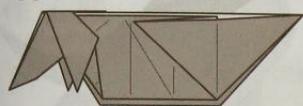
折りすじをつける

17



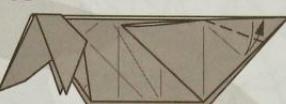
折りすじをつける

16



反対側も12~15と同じ

18



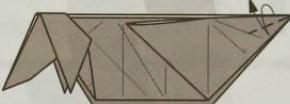
折りすじをつける

15



ひらいて折りたたむ

19



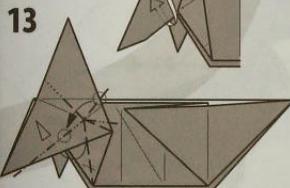
折りすじをつける

14



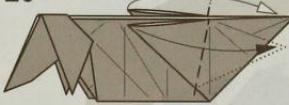
(途中図)

13

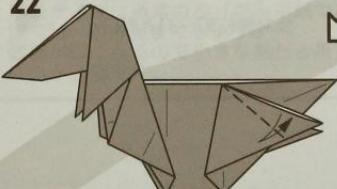


中わり折り

20

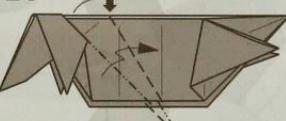


22

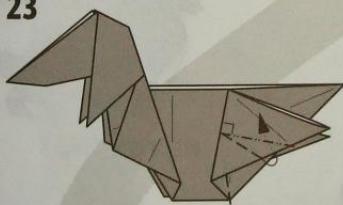


かぶせるように段折り

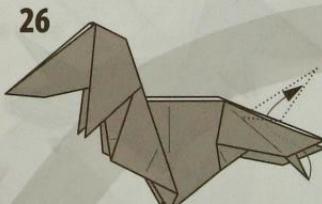
21



23

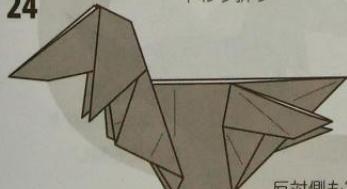
図17でつけた線に合わせて
折りすじをつける

26



中わり折り

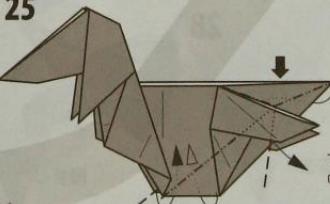
24

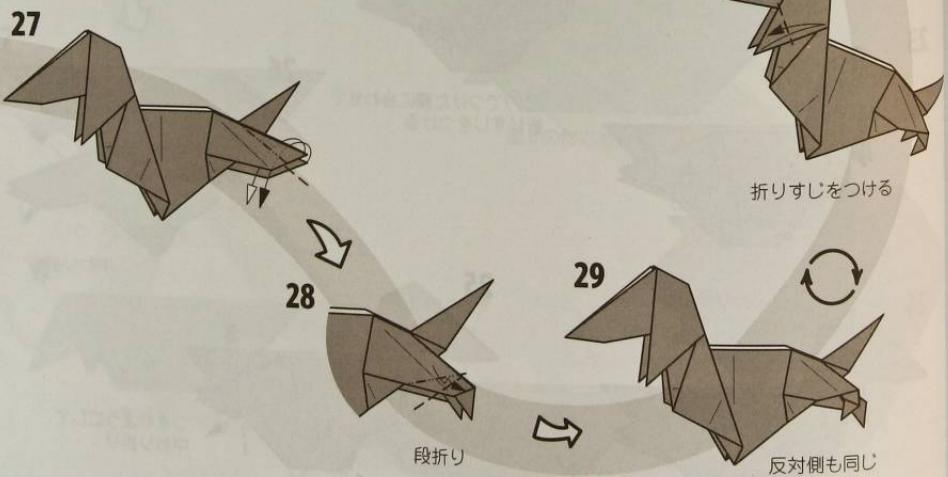
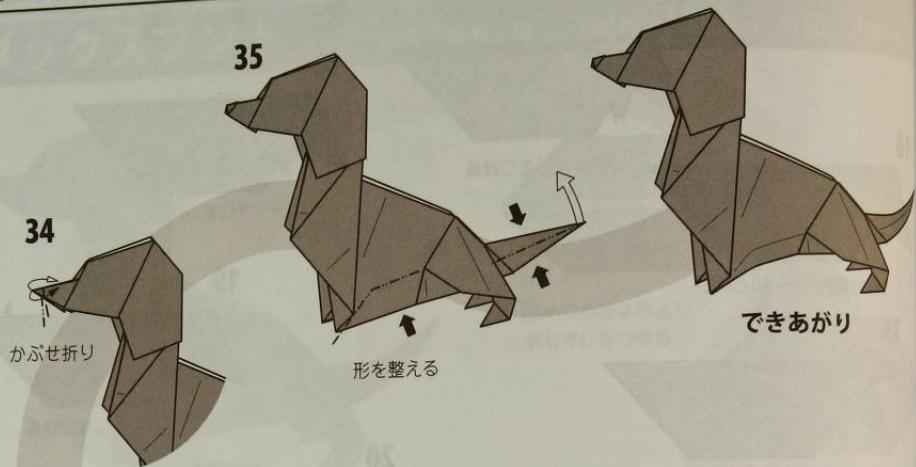


中わり折り

反対側も22~23と同じ

25

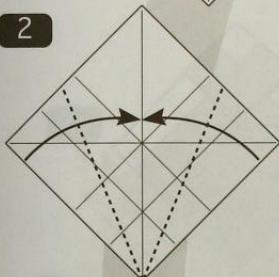
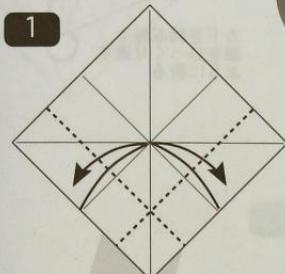
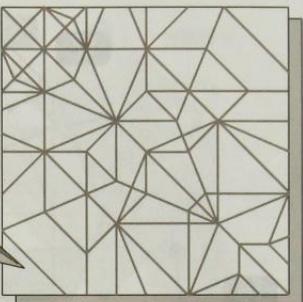
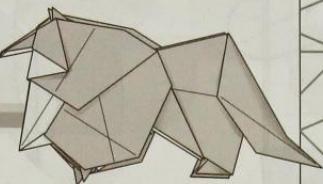
つまむようにして
中わり折り



コリー

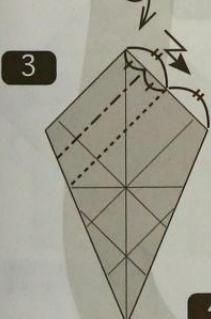
Collie

作 / 図 渡辺 大
Model and Diagrams by Dai Watanabe



—ご参考までに：用紙の選択—

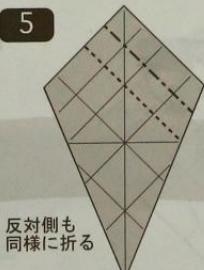
インサイドアウト作品なので、できれば表裏別色の紙を使ってください。
用紙サイズは通常のおりがみ用紙であれば25cm四方程度でしょうか。
頭部が厚くなるので小さな紙だと折るのに力が必要です。



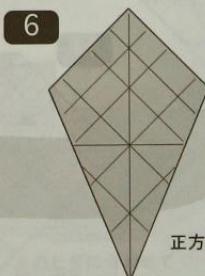
両側についている折り筋を伸ばすように折る



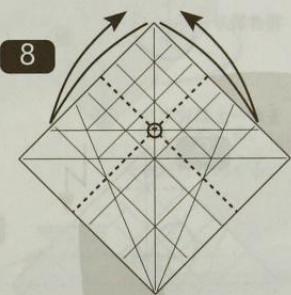
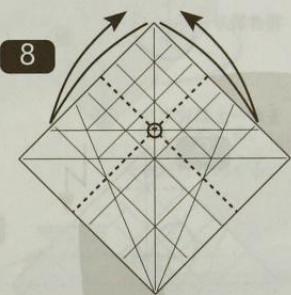
3の状態に戻す

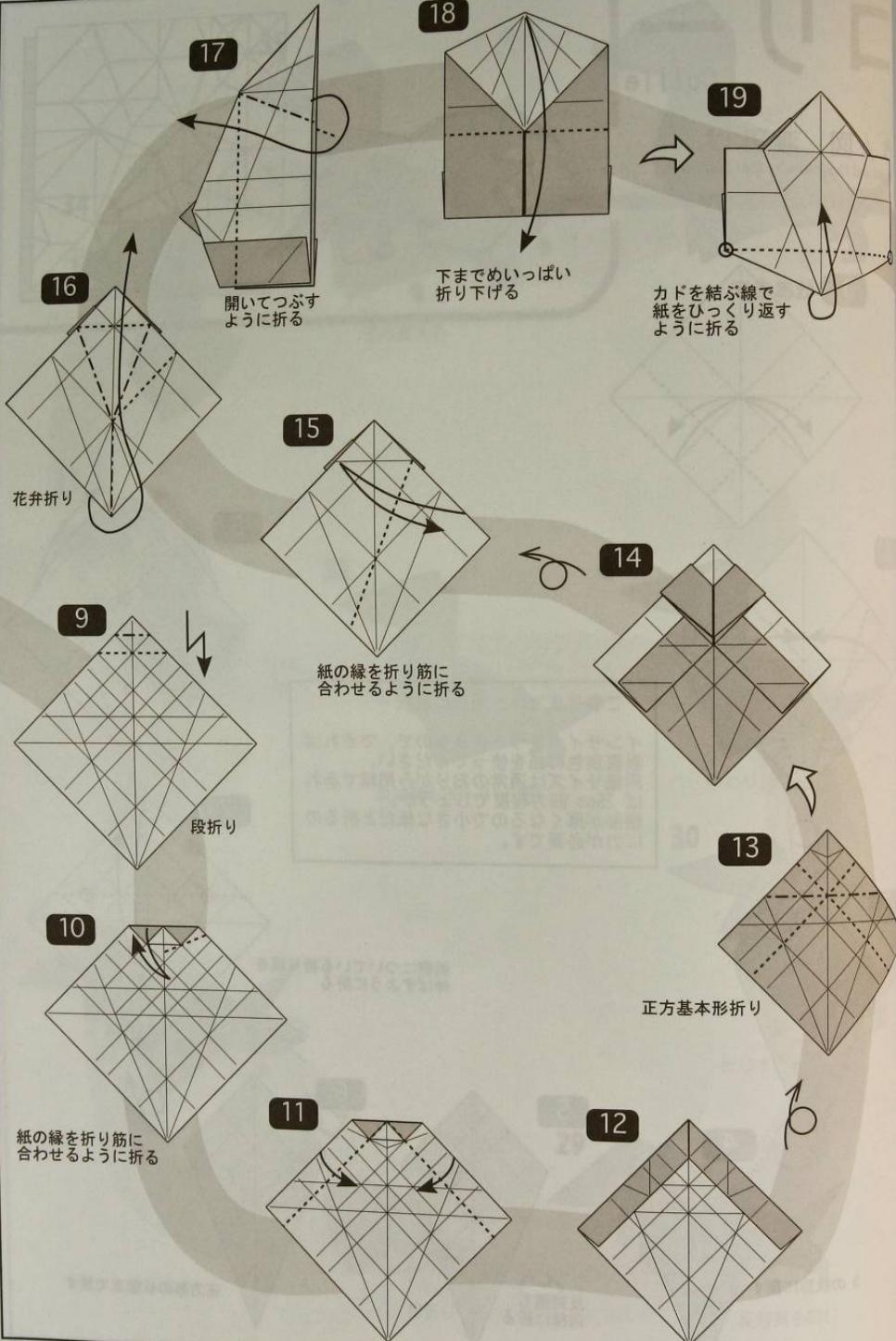


反対側も同様に折る

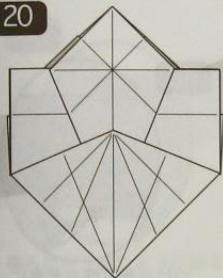


正方形の状態まで戻す

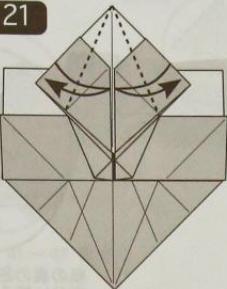




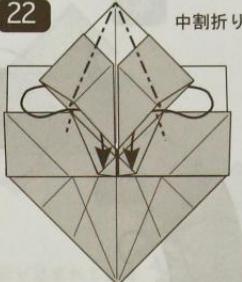
20



21

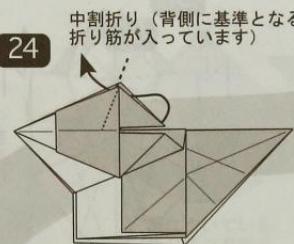


22

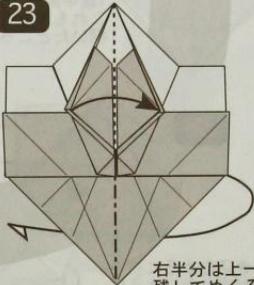


中割折り

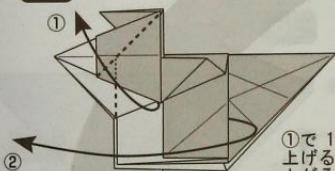
24

中割折り（背側に基準となる
折り筋が入っています）

23

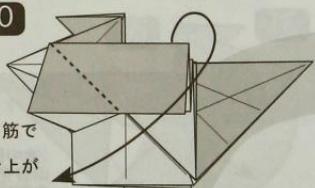


25



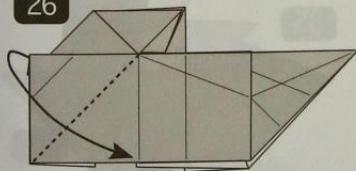
①で 1 番上のヒダを折り
上げると ②の部分が浮き
上がる。浮き上がった部
分をそのまま開くよう
に折る

30



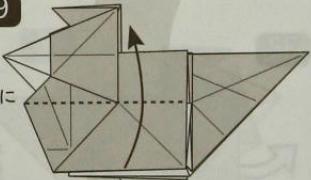
28 でつけた折り筋で
谷折り
(後ろの紙が浮き上
がる)

26



裏側の紙の縁に
合わせて折る

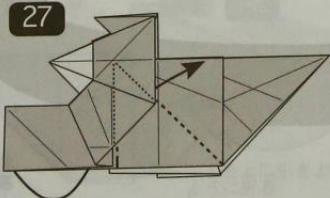
29



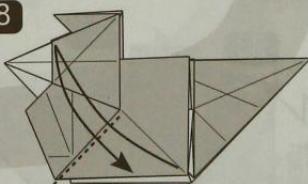
裏側にある紙の縁に
合わせて折る

山折りの線を背中
に合わせるように
して中割折り
くっついてくる部
分にはなるべく折
り筋をつけないよ
うに

27

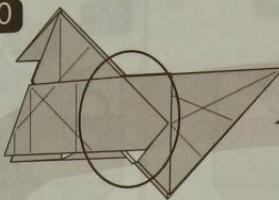


28

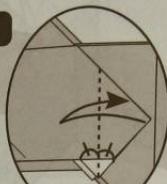


上のヒダに合わせて
折り筋をつける

40



41

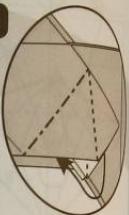


39



(途中図)
これも腹部を
開いたところ

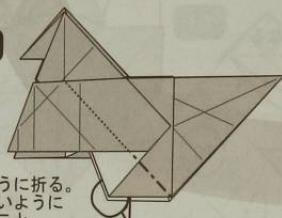
42



紙の裏の三角形を
半分に折るように
折り筋をつける

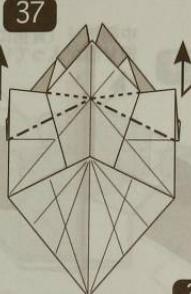
つけた折り筋を参考に
しながらできとうに
折り込む

38



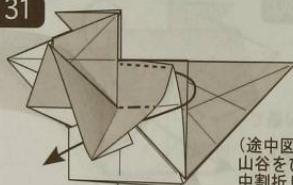
巻き込むように折る。
紙がずれないように
気をつけること。
反対側も同様

37



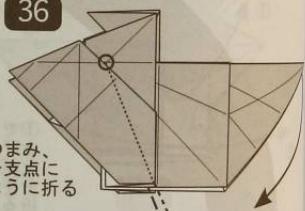
(途中図)
腹部を開いてみたところ。
実際には開きすぎると折り
にくいので注意すること

31



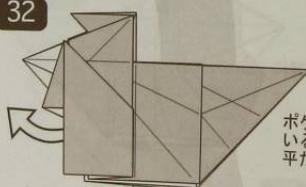
(途中図)
山谷をひっくり返しながら
中割折り

36



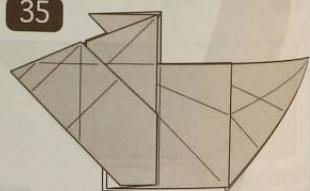
背中部分をつまみ、
○印の部分を支点にして
ずらすように折る

32



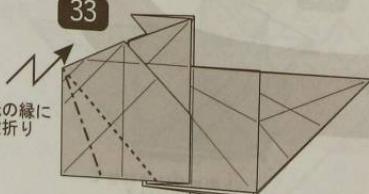
ポケットにしまわれて
いる紙を引き出して
平たく折り潰す

35



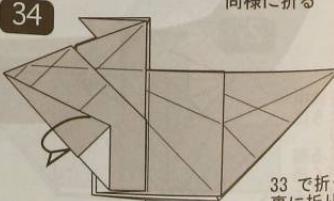
反対側も 25 ~ 34 まで
同様に折る

33



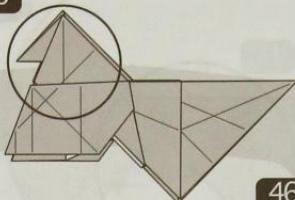
裏にある紙の縁に
合わせて段折り

34



33 で折った部分を
裏に折り返す

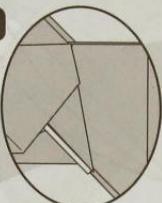
45



43



44



反対側も 41 ~ 43 まで
同様に折る

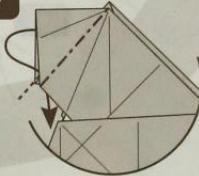
後ろに巻き込むように折る

46



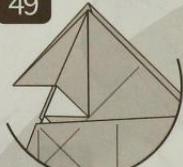
中に折り込まれている
ヒダを引き出す

47

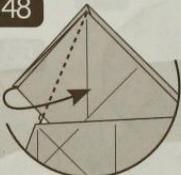


中割折り
折り込んだヒダは内側にある
白いヒダの奥に差し込む

49

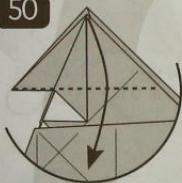


48



既についている
折り筋で谷折り

50

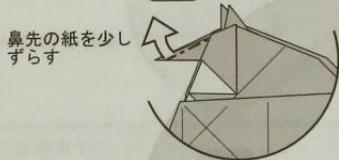


めいっぱい折れる
ところで折り下げる

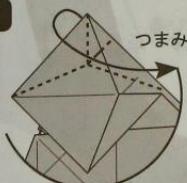
ーご参考までにー

工程 50 ~ 、59 ~ は折り下げ
ないで折った方がきれいに
仕上がります。

55

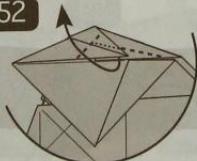


51



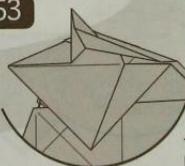
つまみ折り

52



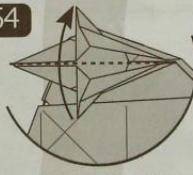
かどを上に引き上げる
ように折る

53



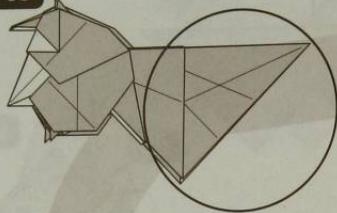
下側も 51 ~ 52 と
同様に折る

54

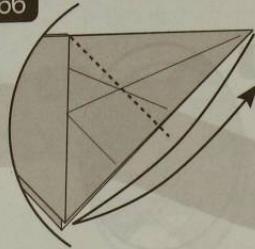


折り下げた部分を
元に戻す

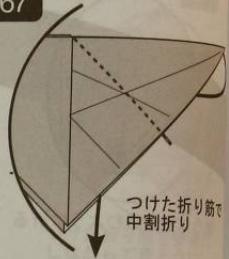
65



66

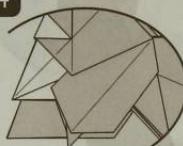


67



カドを合わせて
折り筋をつける

64



反対側も 59～63まで
同様に折る

63

62

折り下げた部分を
元に戻し、60°で
引き出した紙の下
に入れる

56

鼻先を中に折り込む

61

ついている折り線に
カドを合わせるように
して折る

57

60

ポケットに
しまわれている
紙を引き出す

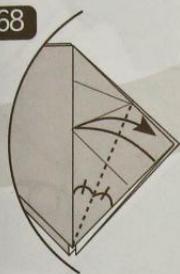
58

59

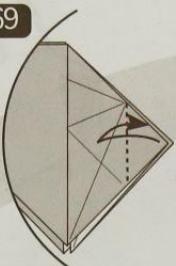
めいっぱい折れる
ところで折り下げる

46

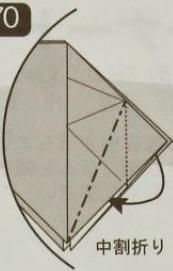
68



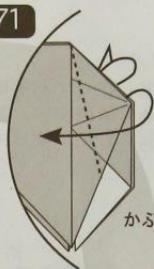
69



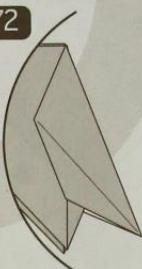
70



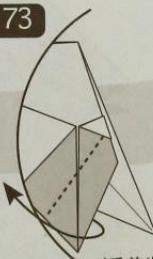
71



72

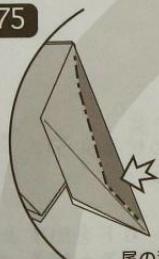


73



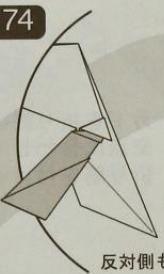
(手前半分を透視)
ポケットの中だけ折って
足先を成形する

75



尾の稜をなでるようにして
立体にする

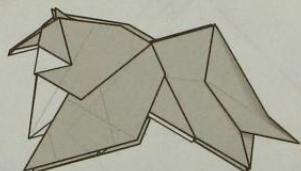
74



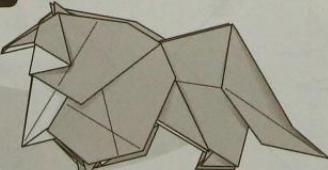
反対側も同様

—ご参考までに—

工程 63、73（足先の仕上げ折り）を
省くと走り回るような感じになります。



77

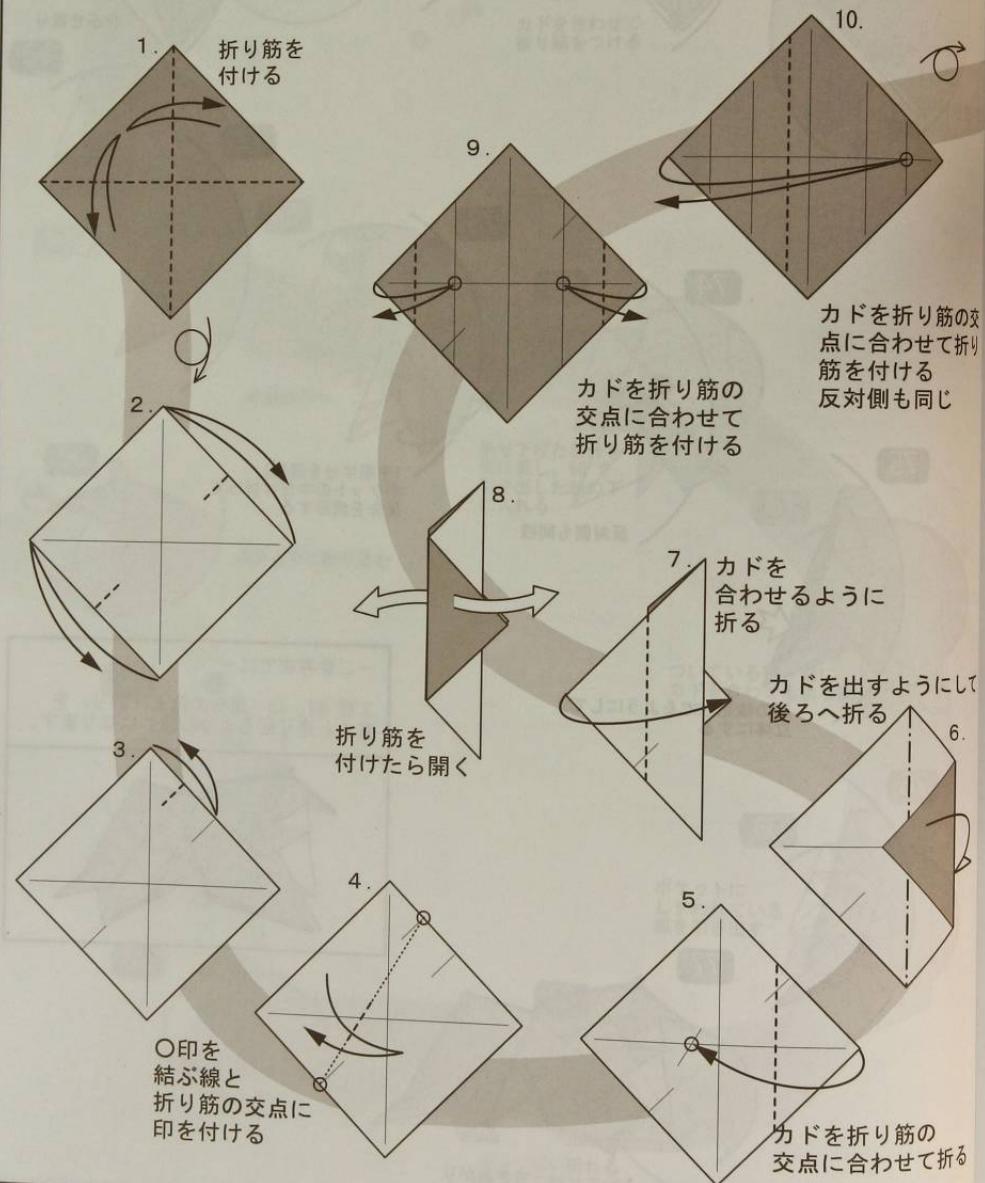
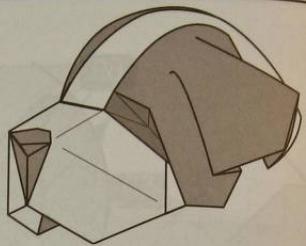


できあがり

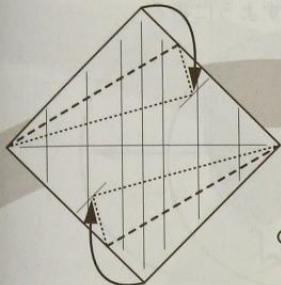
～セントバーナード～

By Seishi Kasumi
霞 誠志 作: 2005. 12

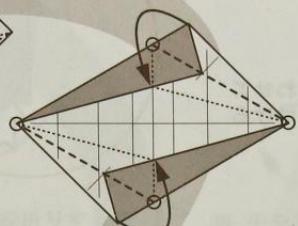
畳んでしまってある後ろの方の紙を引き出して口や舌を作る事も出来ます。また、大きな紙で折ると帽子のようになります。被り物としてご利用下さい。



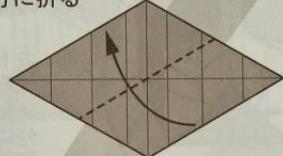
11. (2で付けた) 折り筋にカドを合わせて折る



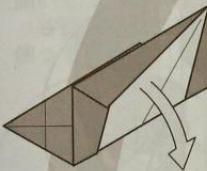
12. ○印を結ぶ線で折る



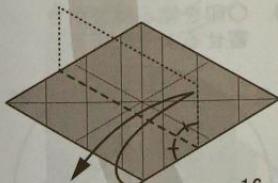
13. フチを合わせるようにして半分に折る



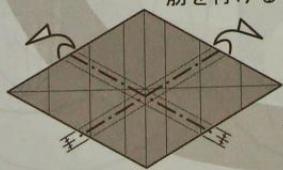
14. 折り筋を付けたら元に戻す
反対側も13と同様に折る



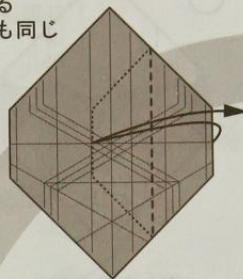
15. フチを折り筋に合わせて
折り筋を付ける
反対側も同じ



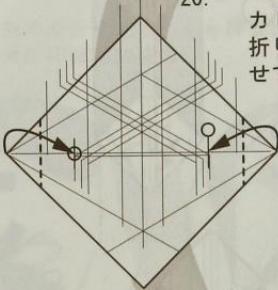
16. 半分の幅で折り筋を付ける



21. フチを折り筋に合わせて折り筋を付ける
反対側も同じ

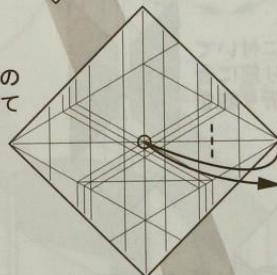


20.

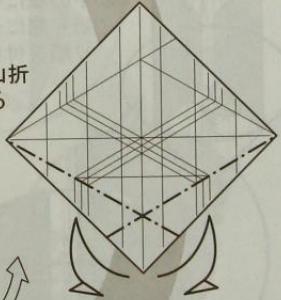


カドを19で付けた
折り筋の交点に合わせて折る

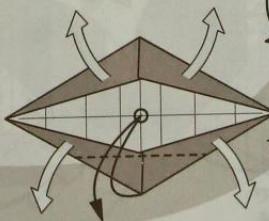
19. カドを折り筋の
交点に合わせて
印を付ける
反対側も同じ

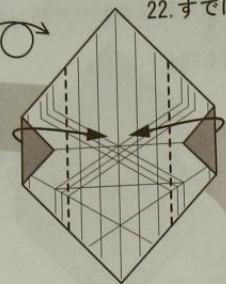


18. 谷折線を山折
に折り返る



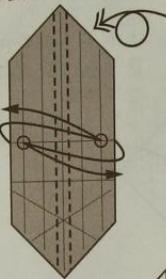
17. カドを折り筋の交点に合わせて折り筋を付けたら全て開く



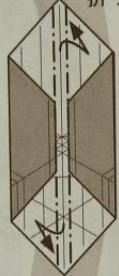


22. すでにある折り筋で折る

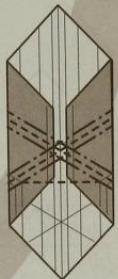
<裏から見た図>



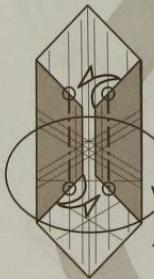
23. フチに合わせて
折り筋を付ける



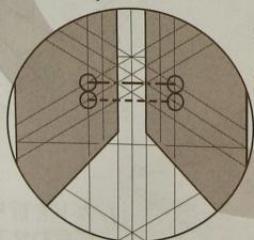
24. 下の紙に付いている
折り筋に合わせて折り筋を
付ける



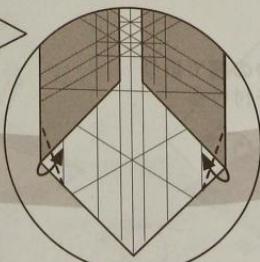
25. 下の紙に付いている
折り筋に合わせて折り筋を
付ける



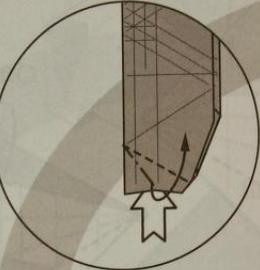
26. ○印を結ぶ線で
折り筋を付ける



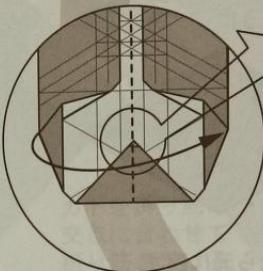
27. フチを折り筋に合わ
せるように折る



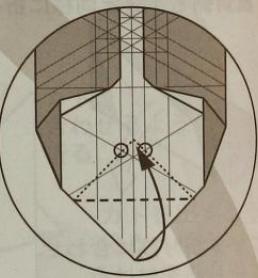
31. (谷折線=18で付けた折り筋)
開いてつぶすように折る



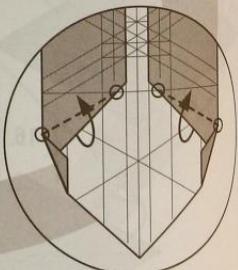
30. カドを小さく
後ろに折って
から全体を半
分に折る



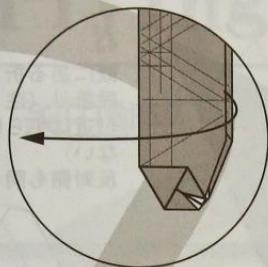
29. フチを折り筋
の交点に合わ
せて折る



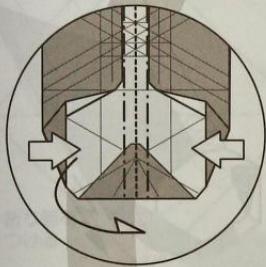
28. ○印を結ぶ線で引き
寄せるように折る



32. 折り筋を付けたら
一旦開く



33. 図のような折り筋で段折りする



34. 開いてつぶすように折る
(谷折線は既にある折筋を使って折る)

35. 折り筋を付けたら一旦
開く

40. カドを後ろに折る
反対側も同じ

39. 中央の段折りを後ろから押し出して立体化する
★★印の位置に注意

[透視図]

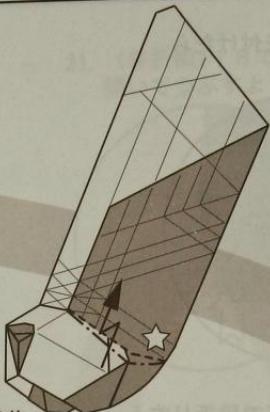
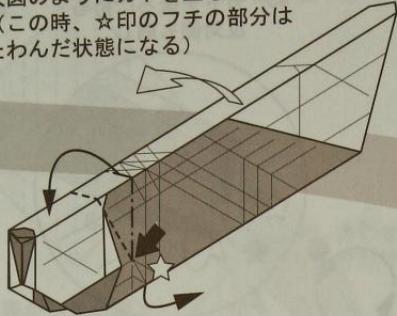
[正面から見た図]

36. 図のような折り筋で
たたみ直す

37. [途中図]

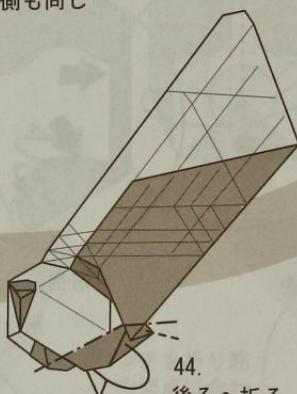
51

41. 次図のようにカドを立ち上げる
(この時、☆印のフチの部分は
たわんだ状態になる)



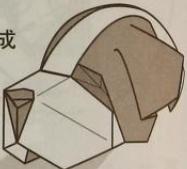
43.
既にある折り筋で
段折り (注: 目の
付近は平らになら
ない)
反対側も同じ

45. 耳になる部分を段折り
(位置は大体の目安です
自由に調整して下さい)
反対側も同じ



作者より: 体の方は、
(未だに) 出来ていま
せん。皆さんで体は考
えてみてください。

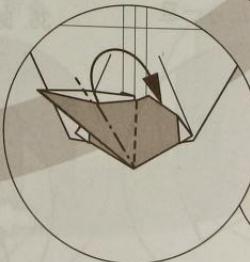
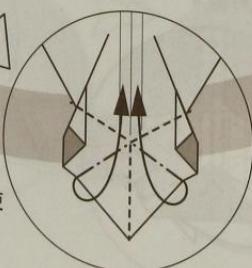
49. 完成



46. 鼻と耳の形を整える
～後ろのカドを内側
から見る



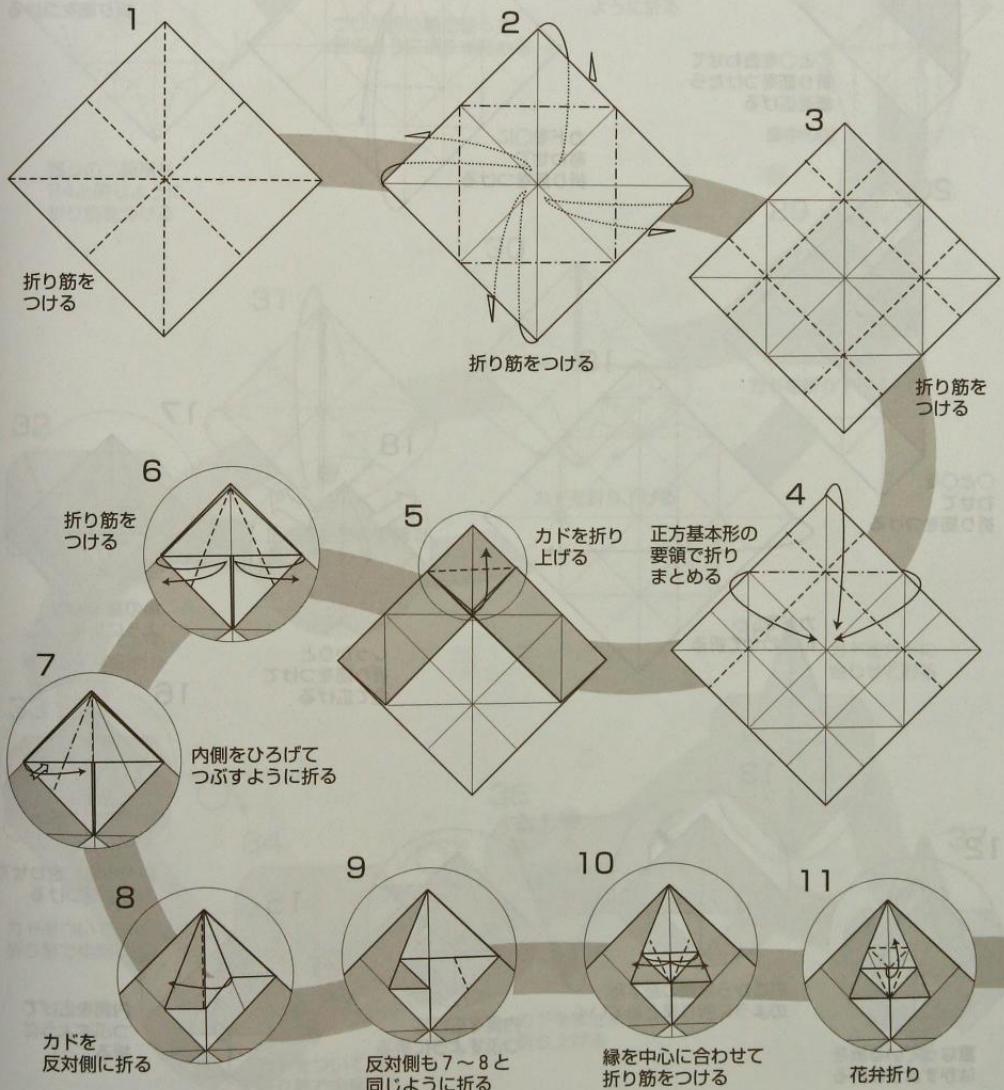
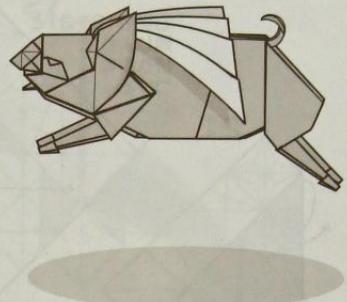
47. 既にある折筋を使
ってつまみ折り

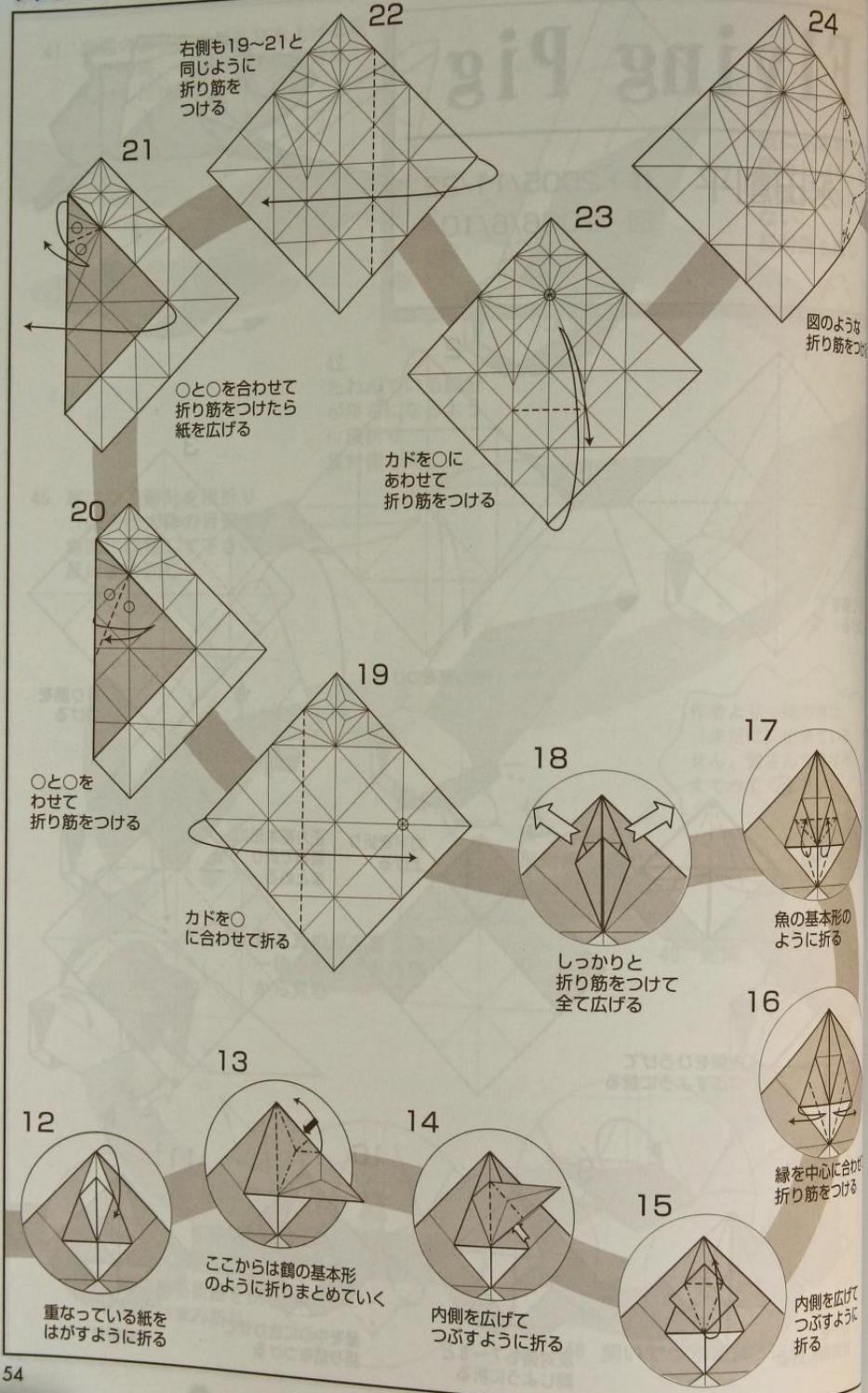


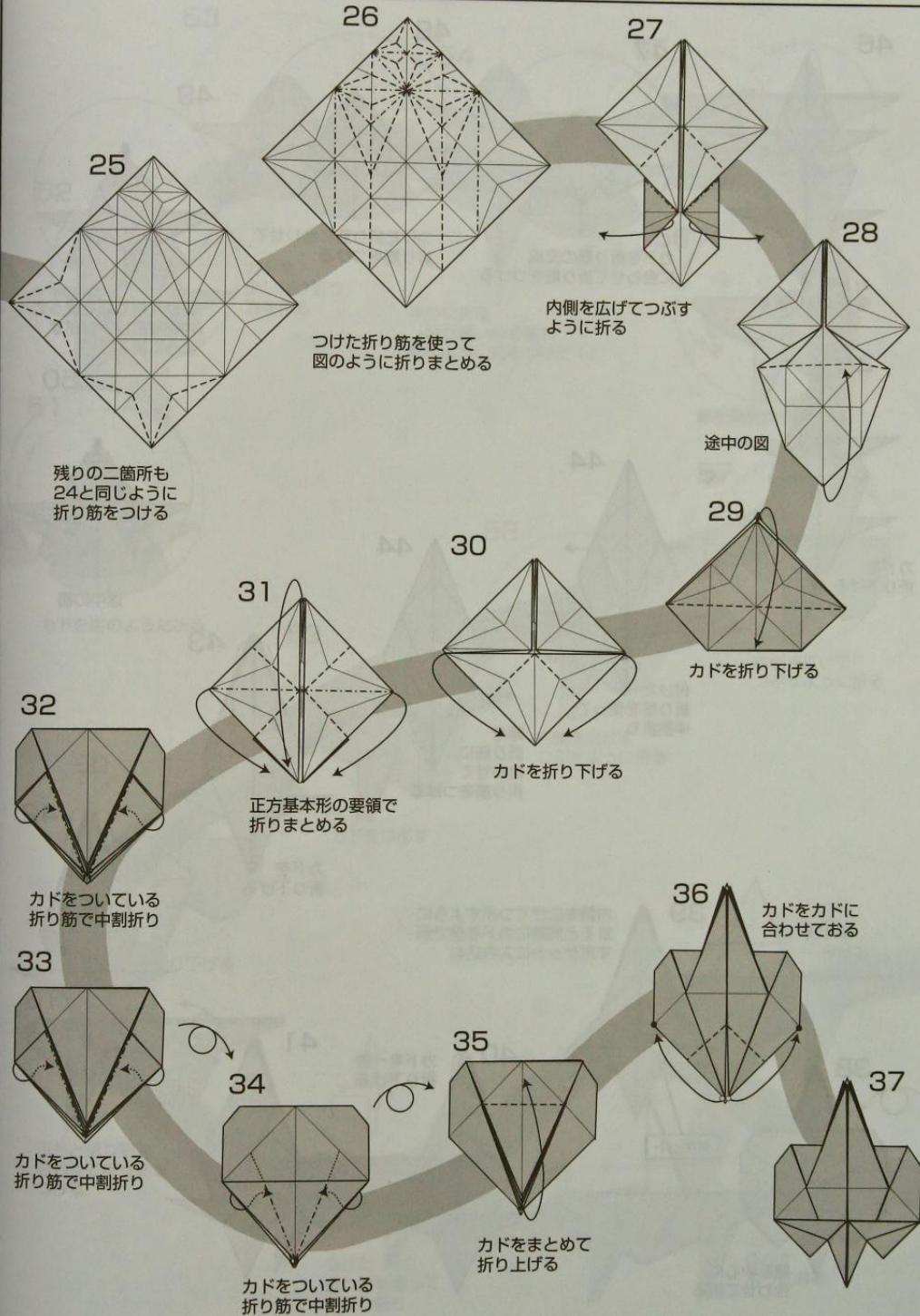
48. 開いてつぶすように折る

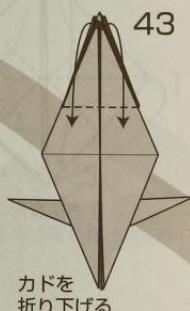
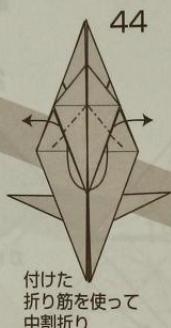
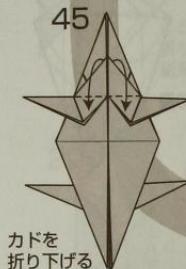
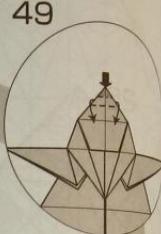
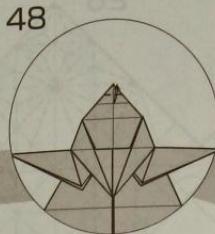
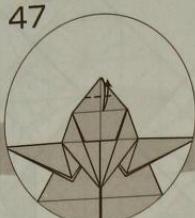
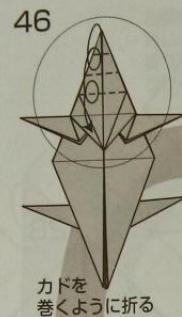
Flying Pig

永田創平 作・2005/11/23
図・2006/6/10

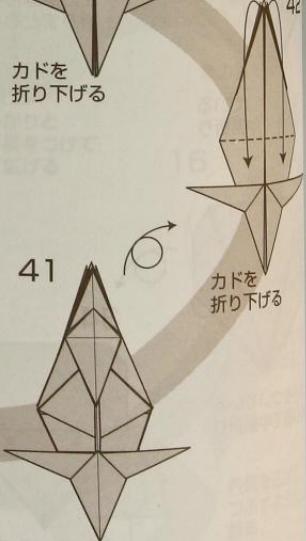
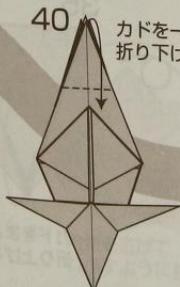
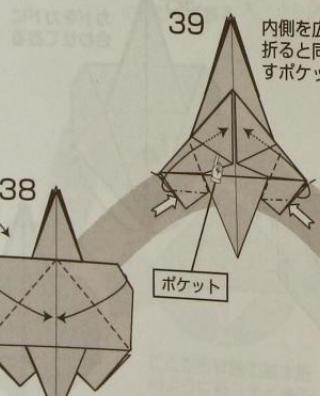




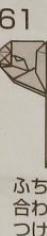




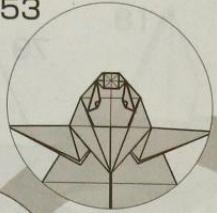
52



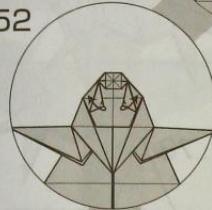
51



53

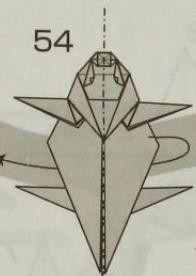


52



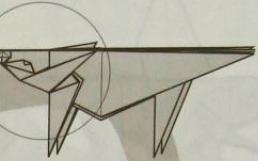
カドを
少しだけ折り
目を作る

54

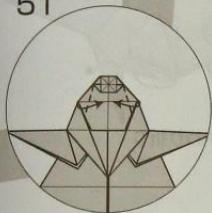


半分に折る
(紙が厚いので破れ
ないように気をつけて!)

55

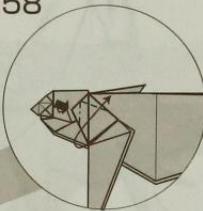


51



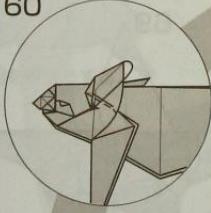
カドを図のよう
に折る

58



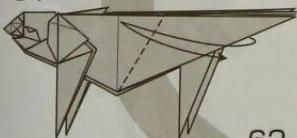
内側を広げて
つぶすように折る

60



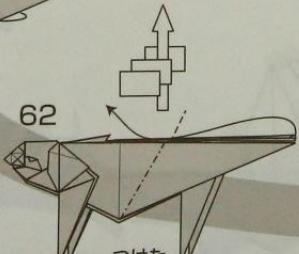
カドをつぶす

61



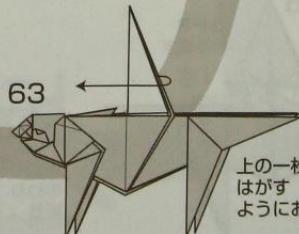
ふちと折り筋を
合わせて折り筋を
つける

62



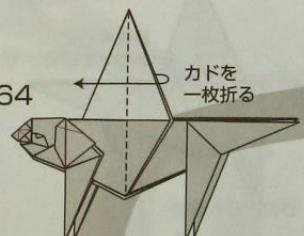
つけた
折り筋を使って
中わり折り

63

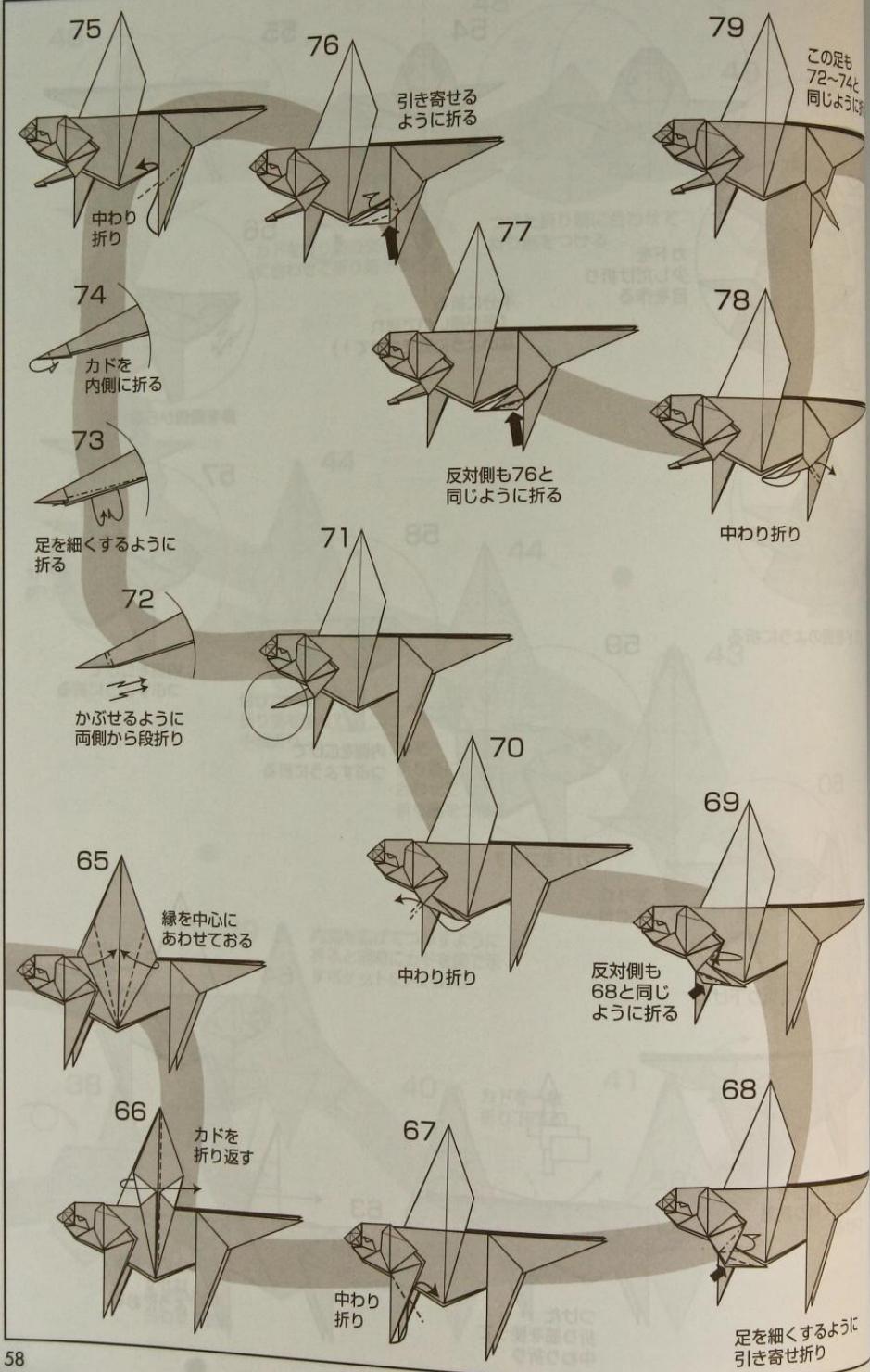


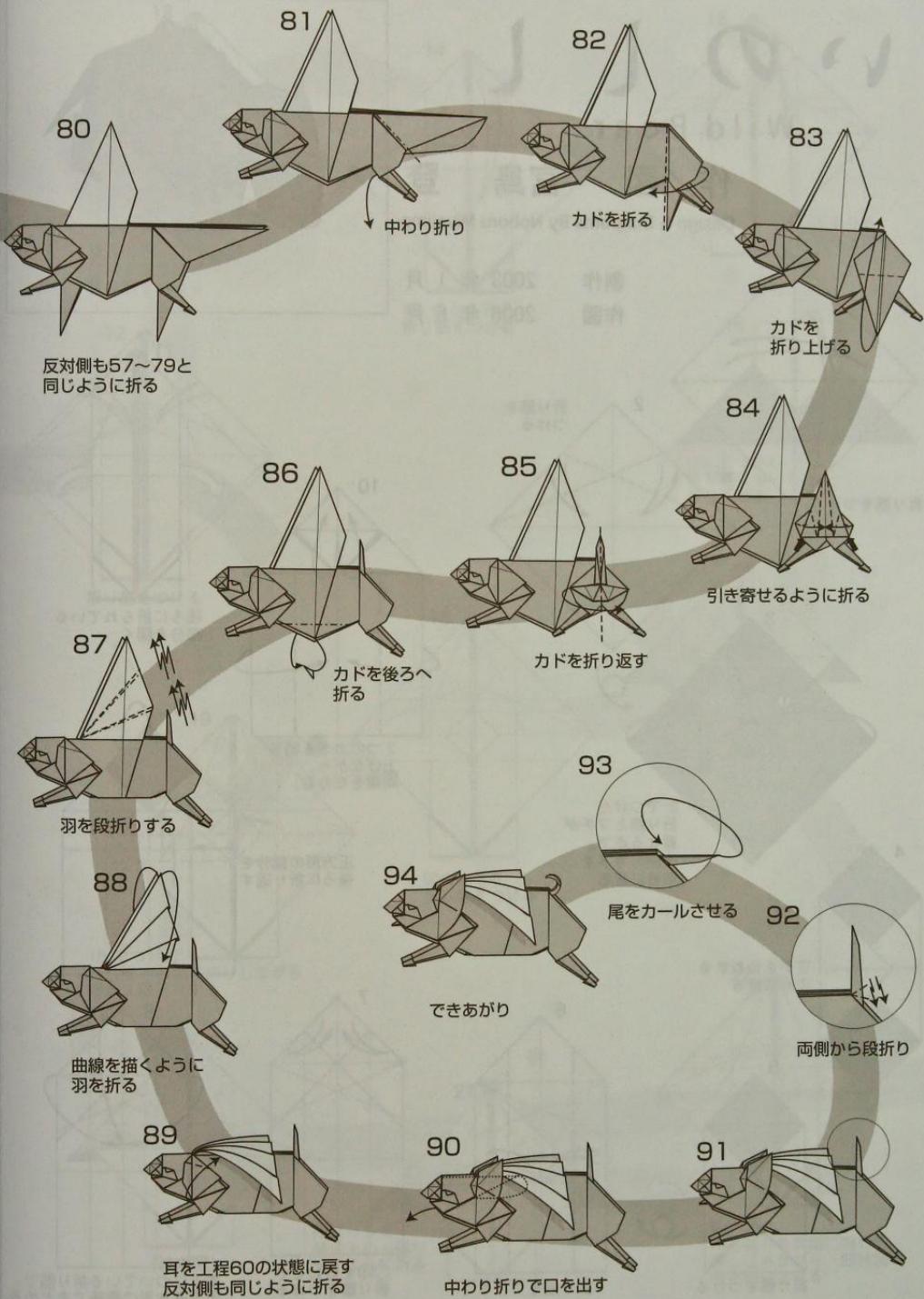
上の一枚を
はがす
ようにおる

64



カドを
一枚折る



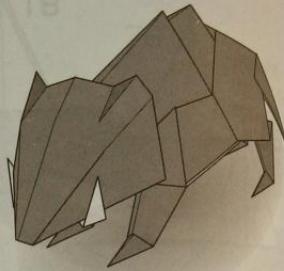


いのしし

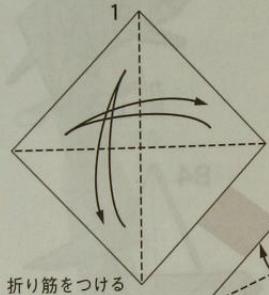
Wild Boar

作／図 宮島 登

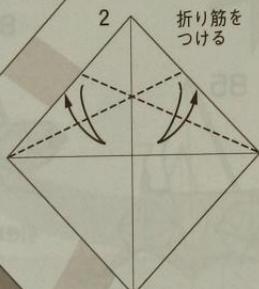
Design & Diagrams By Noboru Miyajima



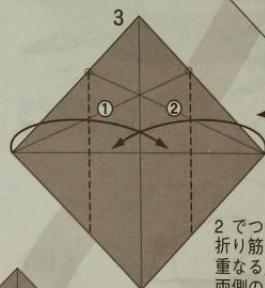
創作 2003年1月
作図 2006年6月



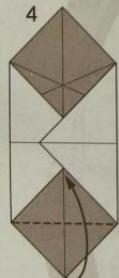
折り筋をつける



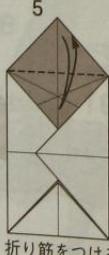
折り筋をつける



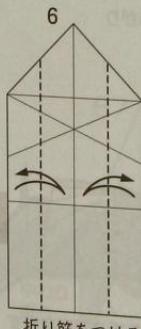
2でつけた
折り筋とフチが
重なる点で、
両側のカドを
順番に折る



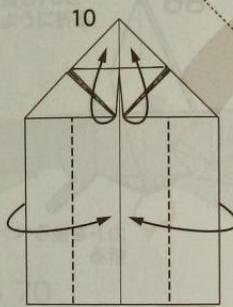
フチを合わせる
ように折る



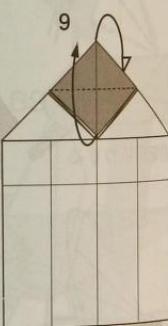
折り筋をつける



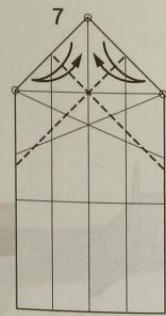
折り筋をつける



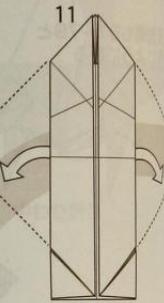
2つのカドを持ち
上げながら、
両端をたたむ。



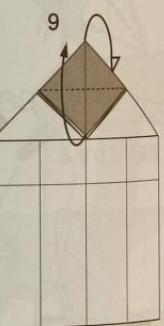
正方形の部分を
後ろに折り返す



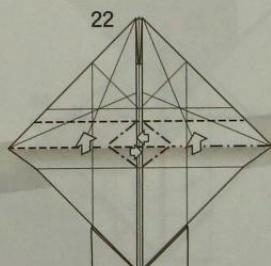
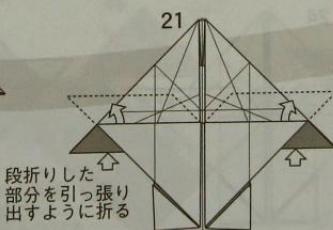
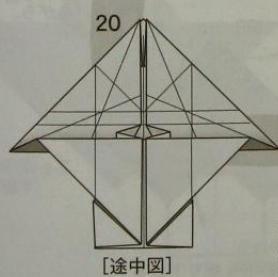
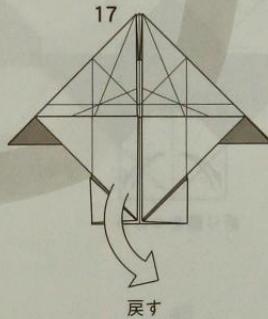
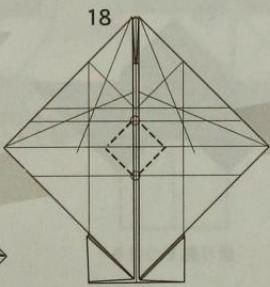
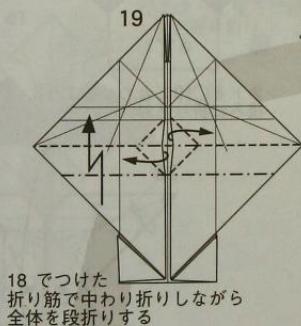
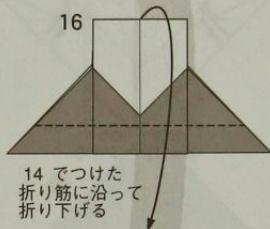
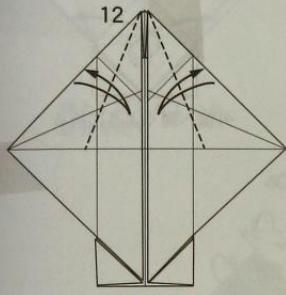
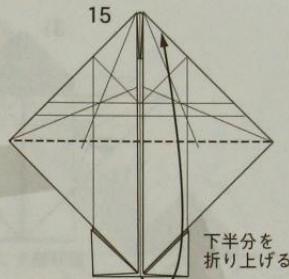
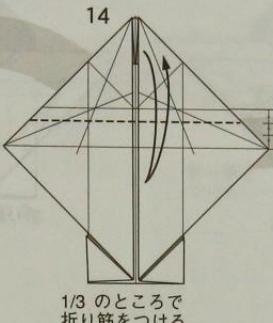
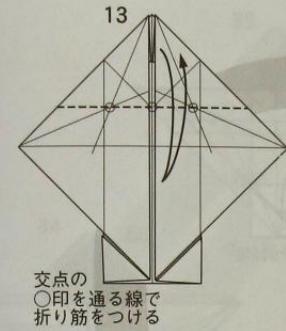
○印を合わせて
折り筋をつける



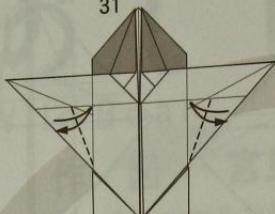
後ろに折られている
部分を開く



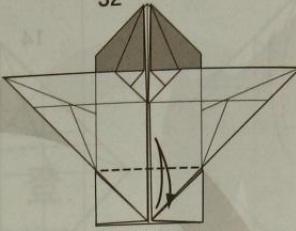
すでにについている折り筋で
正方基本形の要領でまとめる



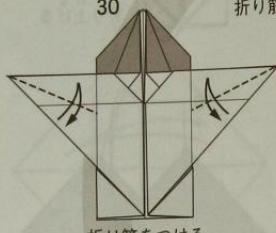
31



32

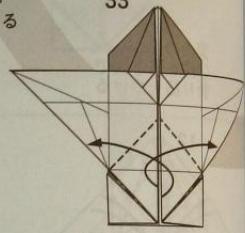


30



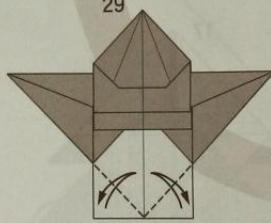
折り筋をつける

33



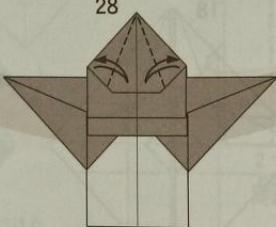
外側へ開くように折る

29



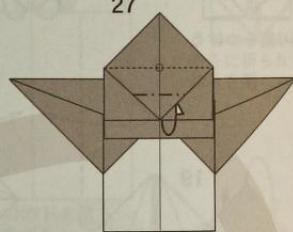
折り筋をつける

28



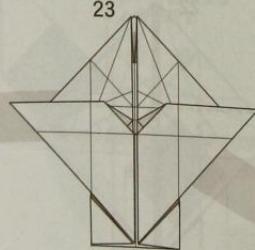
折り筋をつける

27



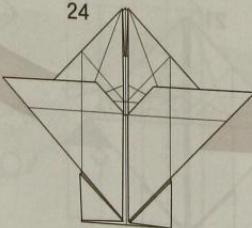
カドを○印に合わせるように
後ろに折り込む

23

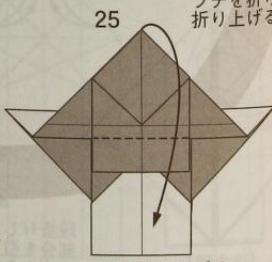


[途中図]

24

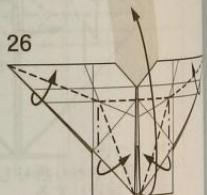


25

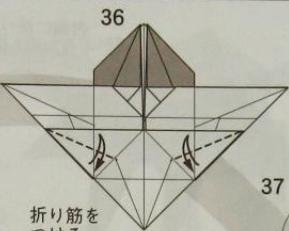
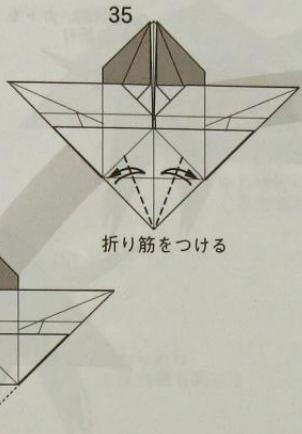


カドを折り下げる

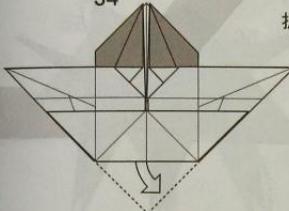
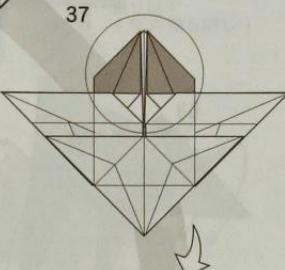
26



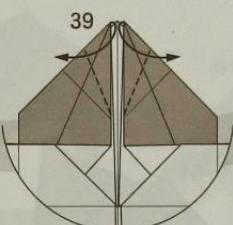
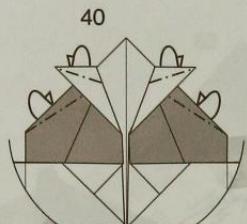
すでにしている折り筋
フチを折りながら、カド
折り上げる



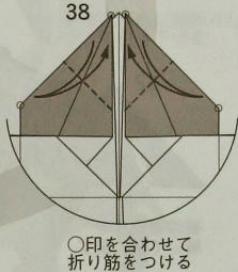
折り筋をつける

後ろに折られている
部分を開く

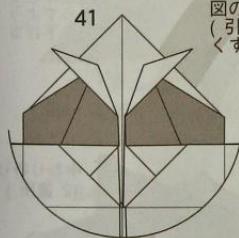
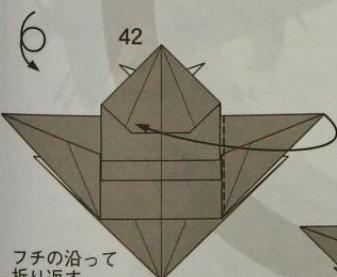
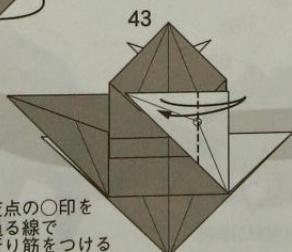
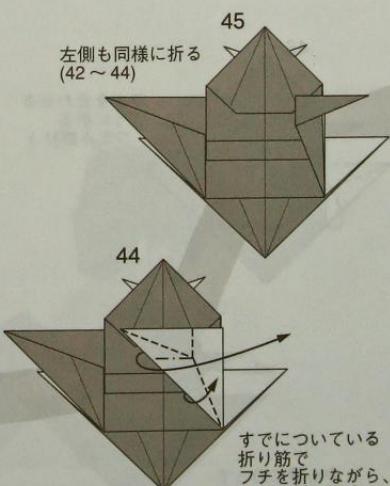
37



39

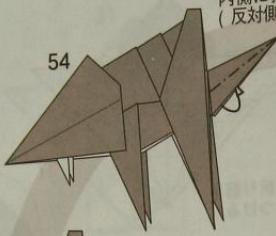


38

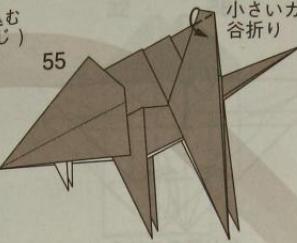
図のように後ろに折り返し
(引き寄せ折り)、カドを細くする38 でつけた折り筋にフチを
合わせるように折るフチの沿って
折り返す交点の○印を
通りの線で
折り筋をつけるすでにしている
折り筋で
フチを折りながら、
カドを折り返す左側も同様に折る
(42~44)

45

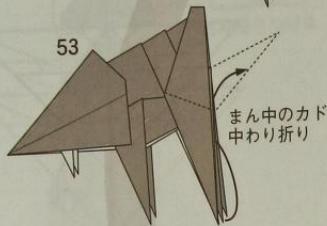
54



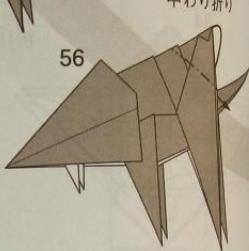
55



53



56



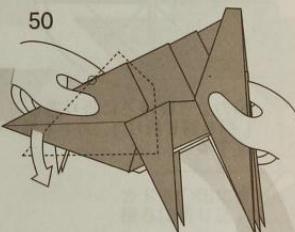
52



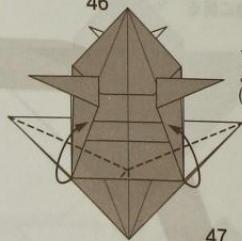
51



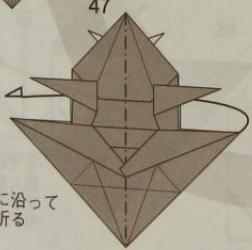
50



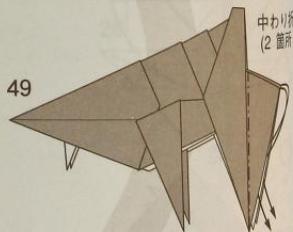
46



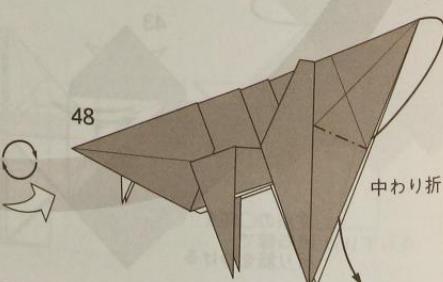
47



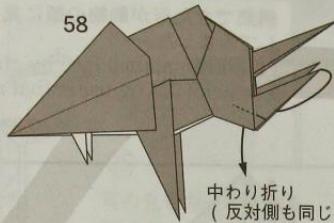
49



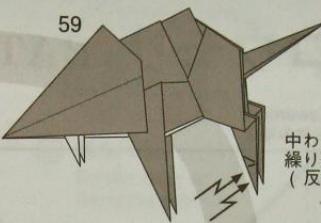
48



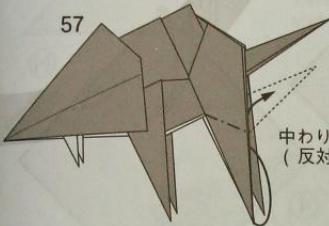
58



59

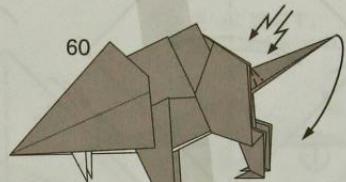


57



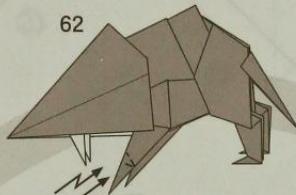
中わり折り
(反対側も同じ)

60



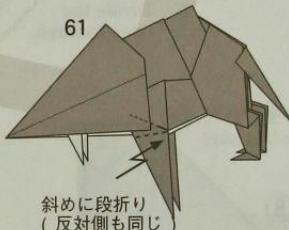
中わり折りを
繰り返す
(反対側も同じ)

62



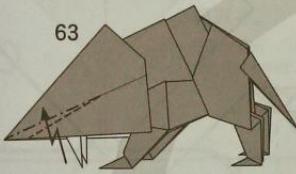
中わり折りを繰り返す
(反対側も同じ)

61



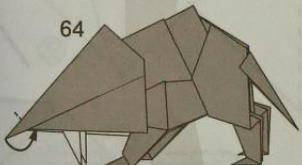
外側に斜めに段折りし、
カドを引き下げる

63



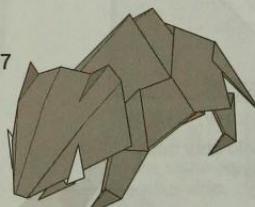
斜めに段折り (反対側も同じ)

64



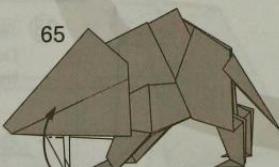
先端を内側に折り込む

67



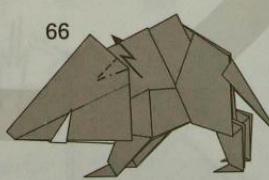
できあがり

65



牙を折り上げる
(反対側も同じ)

66



斜めに段折り (反対側も同じ)

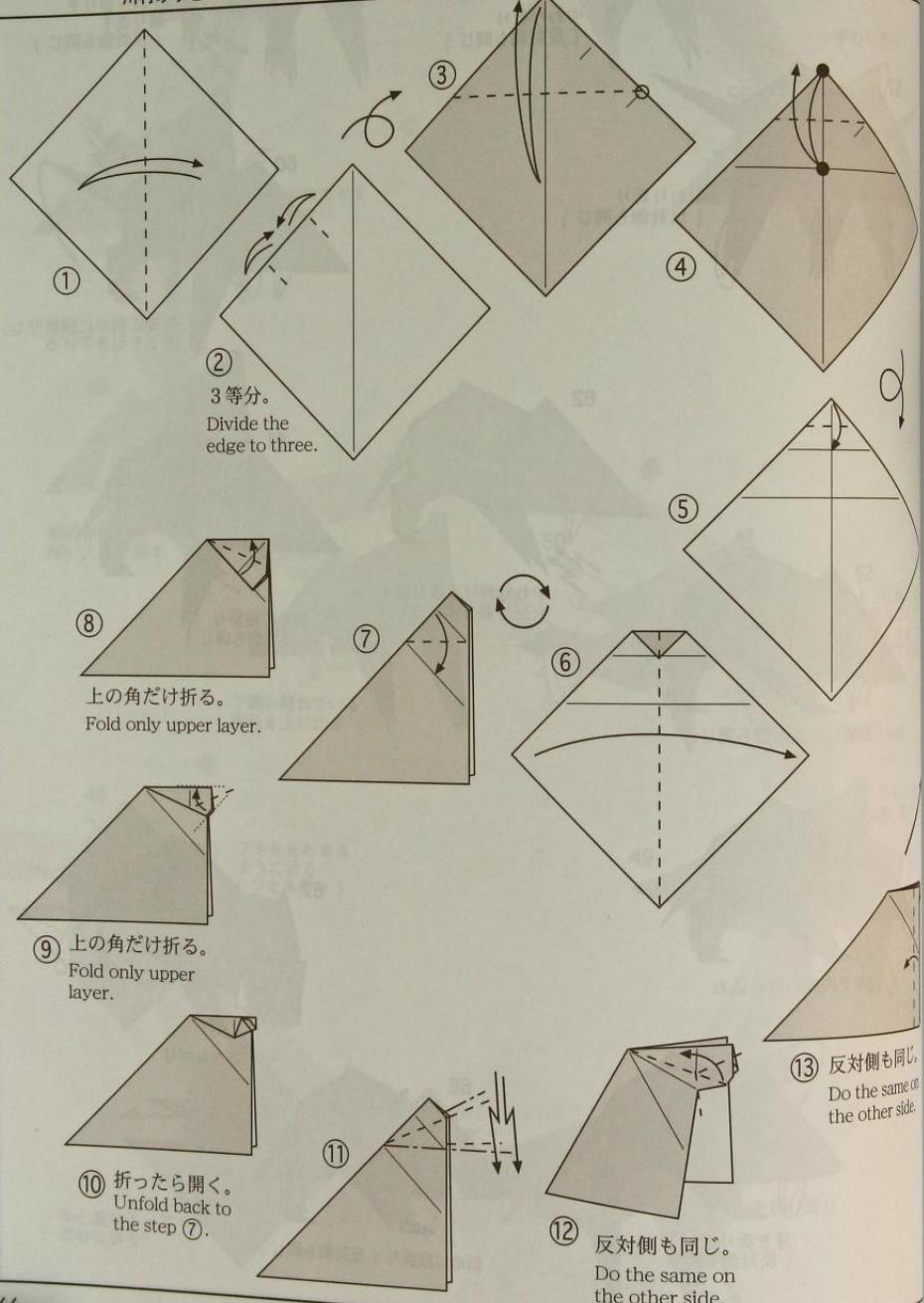


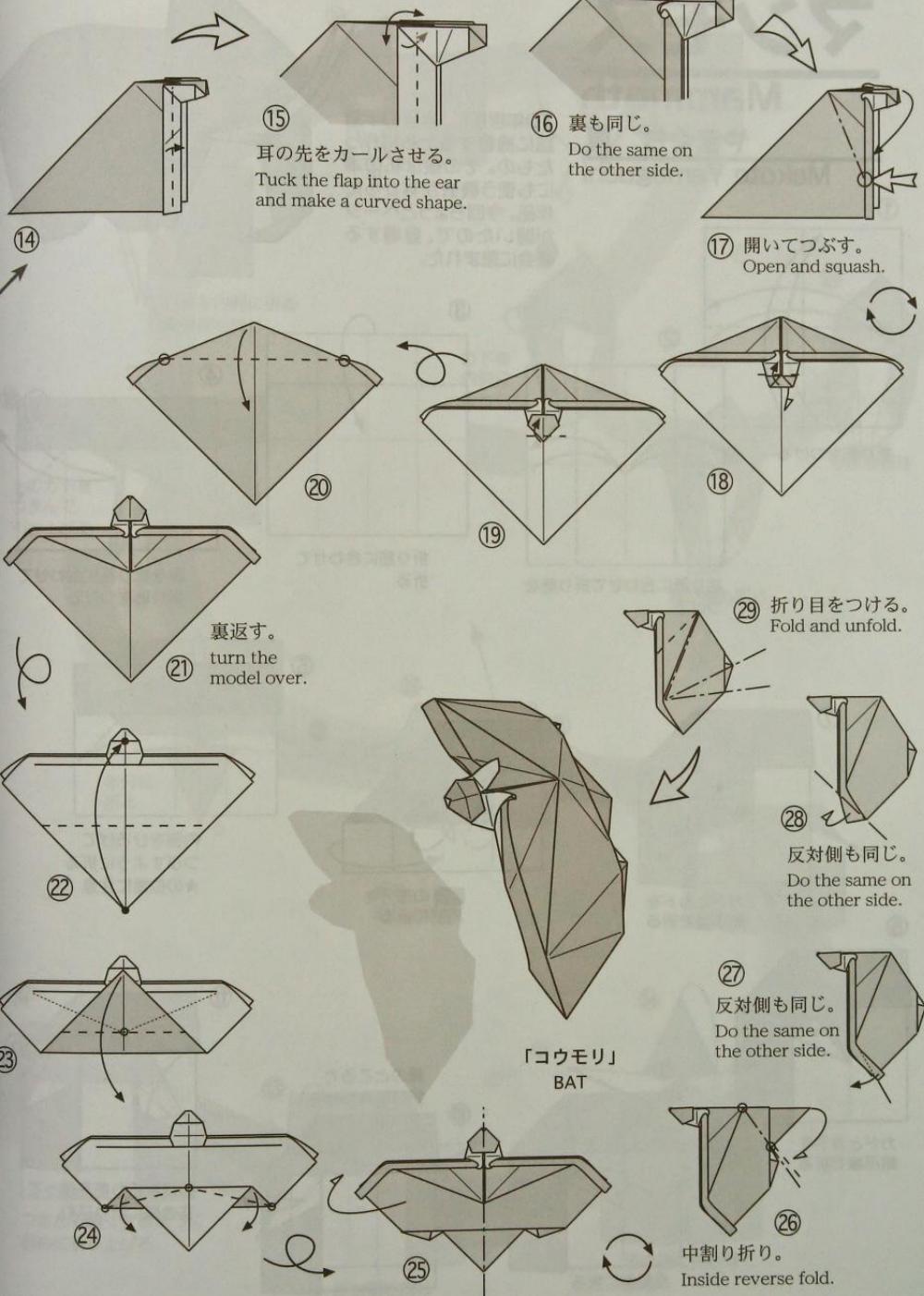
コウモリ / BAT

©2006 Miyuki Kawamura
川村みゆき

偶然できた形が動物の顔に見えたのでコウモリしてみました。

I made an animal face by chance and design a origami bat by using that shape.





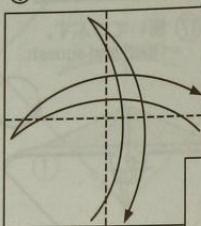
マンモス

Mammoth

やまぐち 真

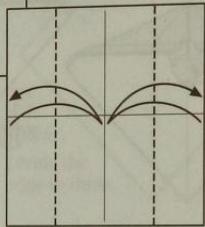
Makoto Yamaguchi

①



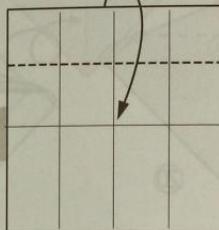
折り筋をつける

②



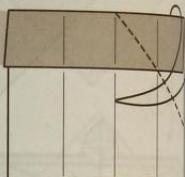
折り筋に合わせて折り筋を
つける

③



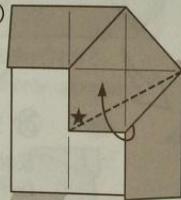
折り筋に合わせて
折る

④



縁を折り筋に合わせて
折り筋をつける

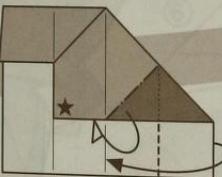
⑤



⑧

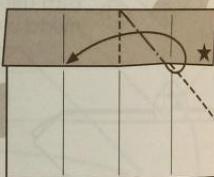
カドとカドを
結ぶ線で折る

⑥



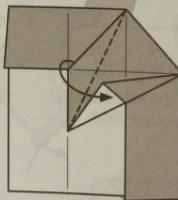
■の部分を
内側に折る

⑦



内側をひろげて
つぶすように折る
★の位置に注意

⑨

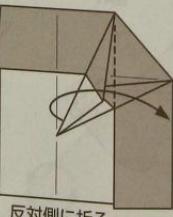


カドとカドを
結ぶ線で折る

⑩

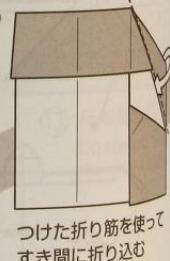
縁のところで
折り筋をつける

⑪

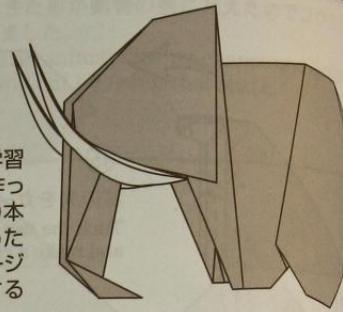


反対側に折る

⑫



つけた折り筋を使
てすき間に折り込む



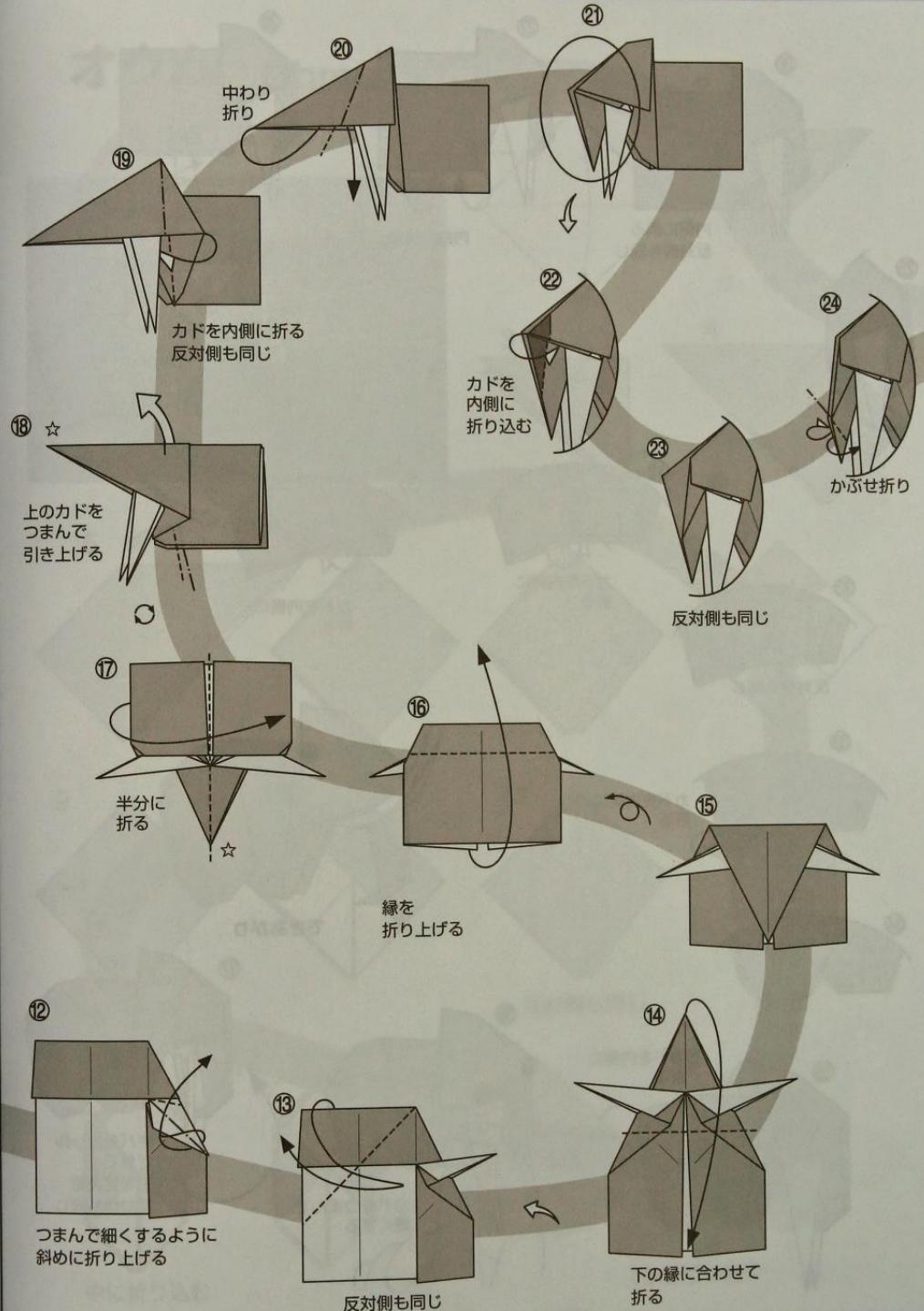
10年前に、学研の学習誌に掲載するために作ったもの。その後は私の本にも使う機会がなかった作品。今回ちょうどページが開いたので、登場する機会に恵まれた。

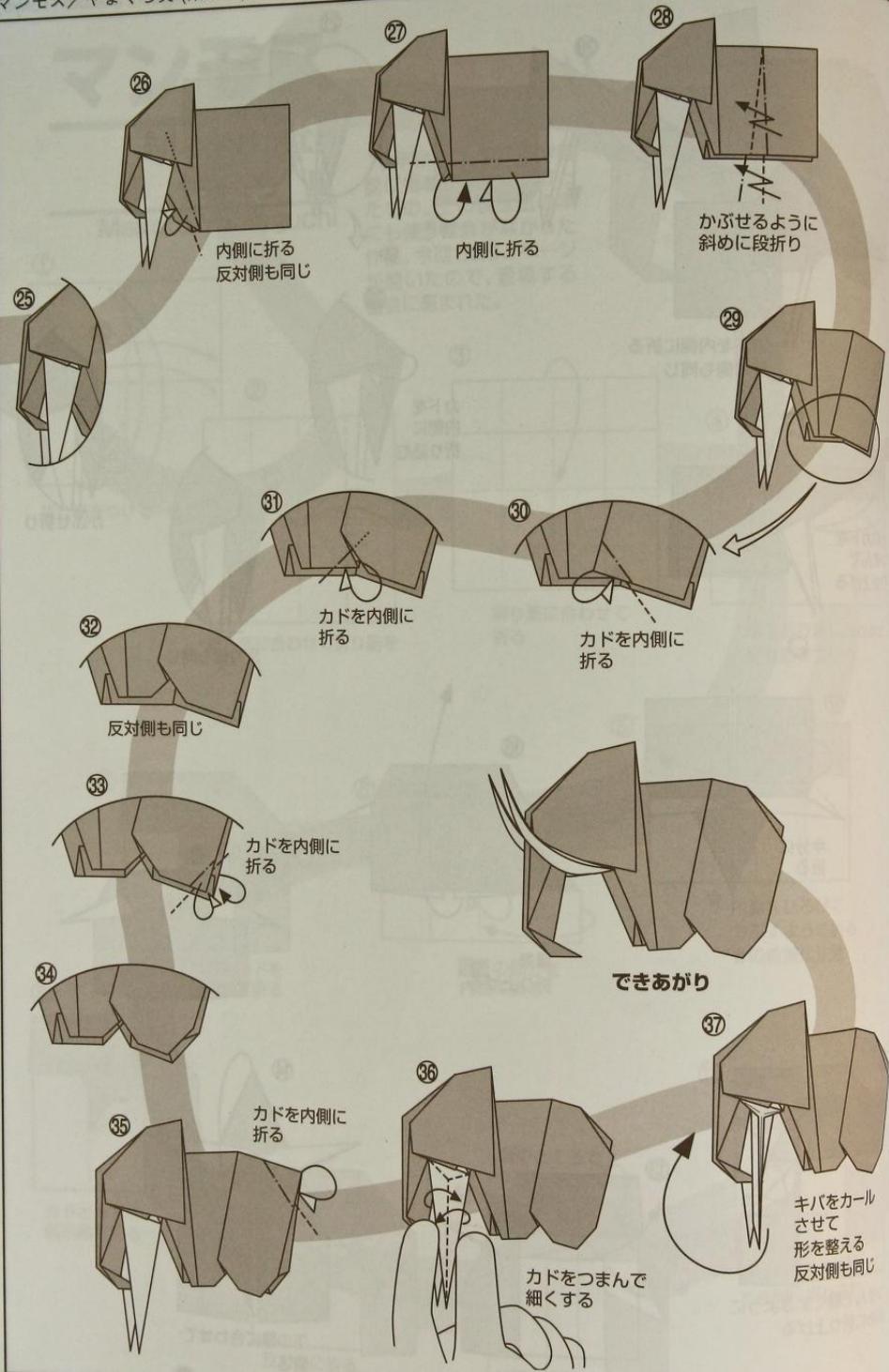
⑬ ☆

上の
つま
引き

⑭

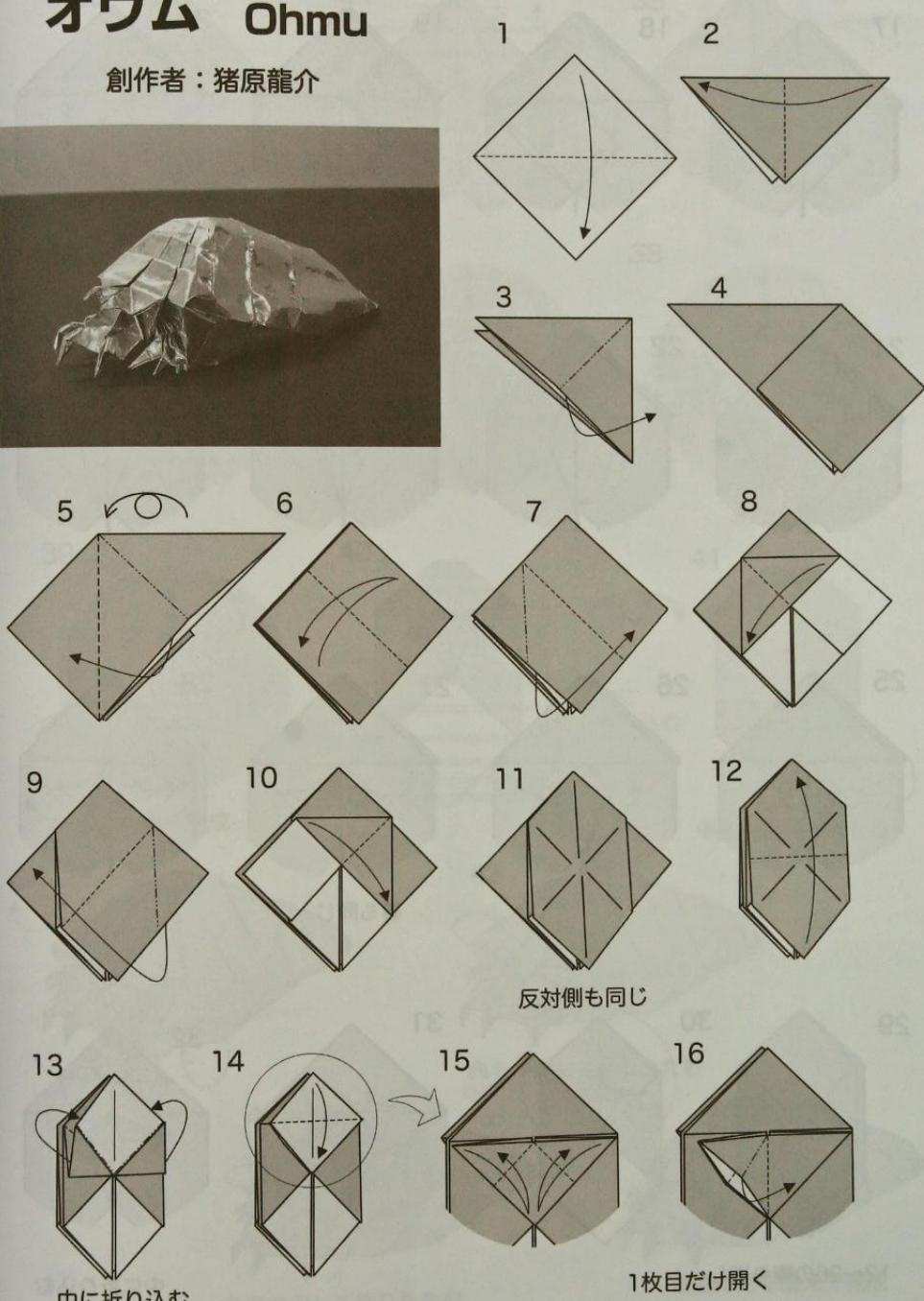
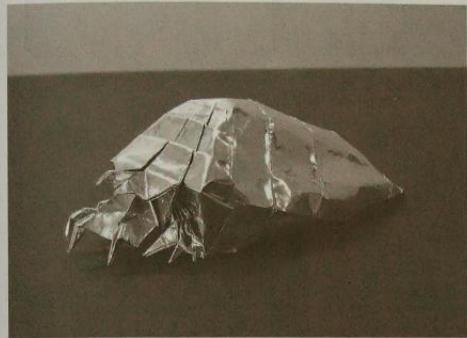
つま
斜め





オウム Ohmu

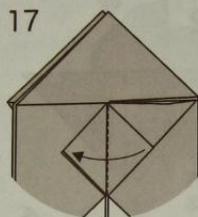
創作者：猪原龍介



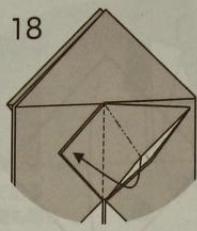
中に折り込む

1枚目だけ開く

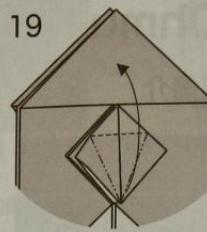
17



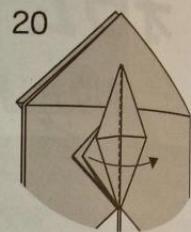
18



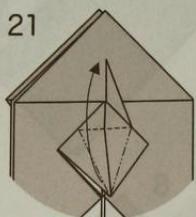
19



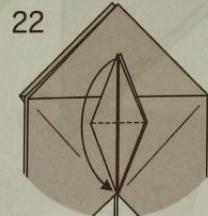
20



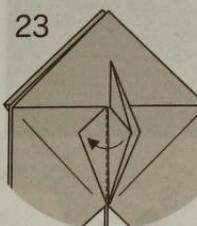
21



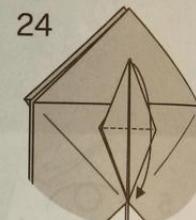
22



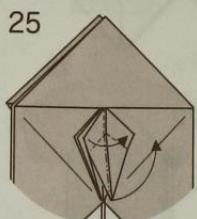
23



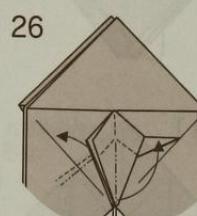
24



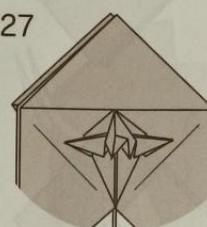
25



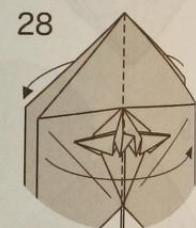
26



27

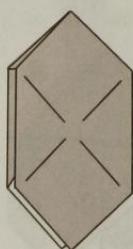


28

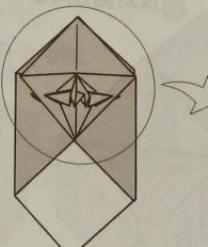


裏も同じ

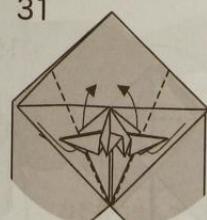
29



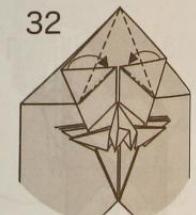
30



31

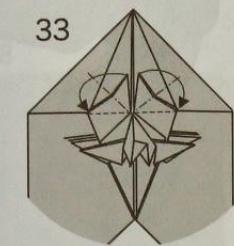


32

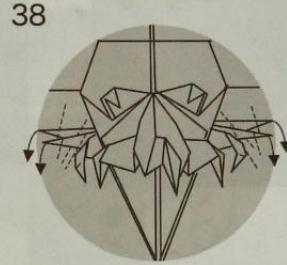
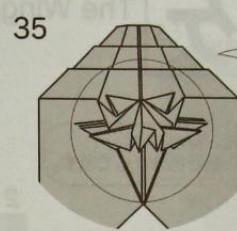
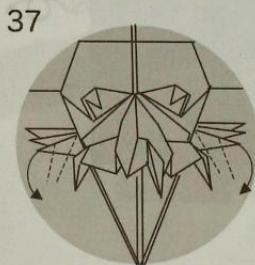
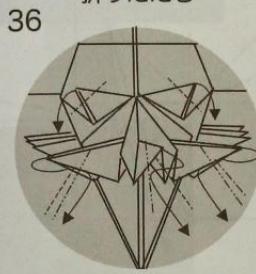
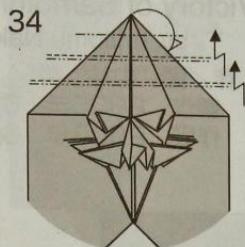


12~26の繰り返し

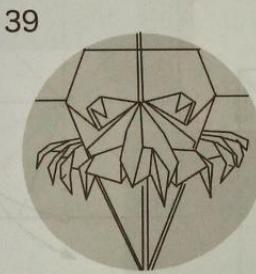
中に折り込む



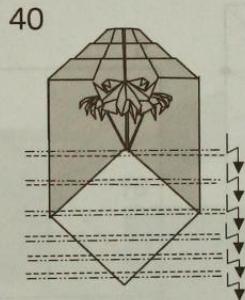
折りたたむ



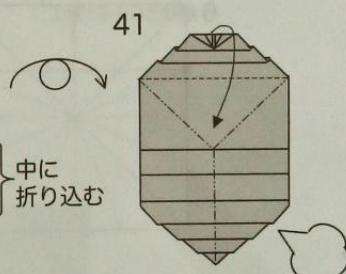
37と同様



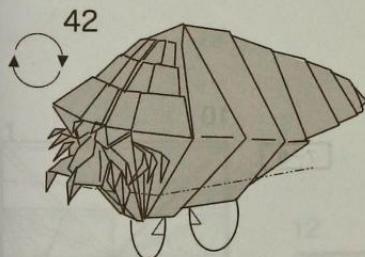
足の完成



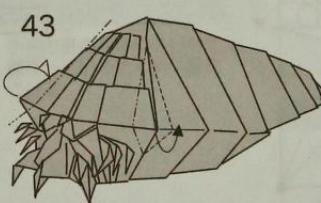
中に
折り込む



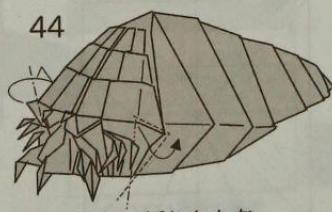
中央をふくらませる



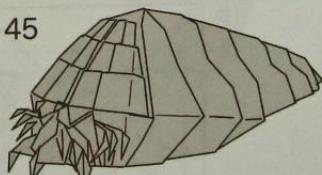
中に折り込む



角をつぶして折りたたむ



角をつぶして折りたたむ



腹部の形を整えて完成

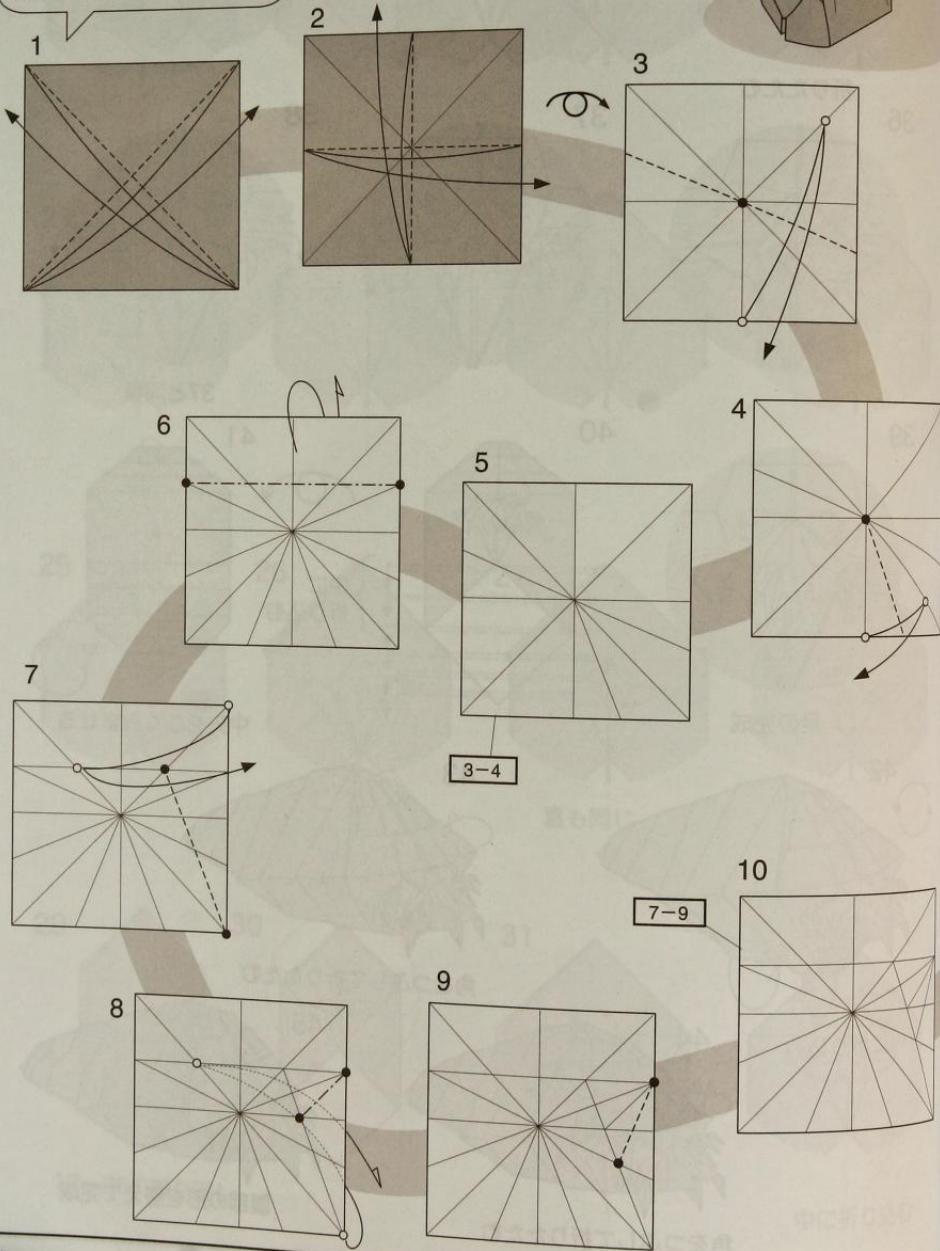
ニケ

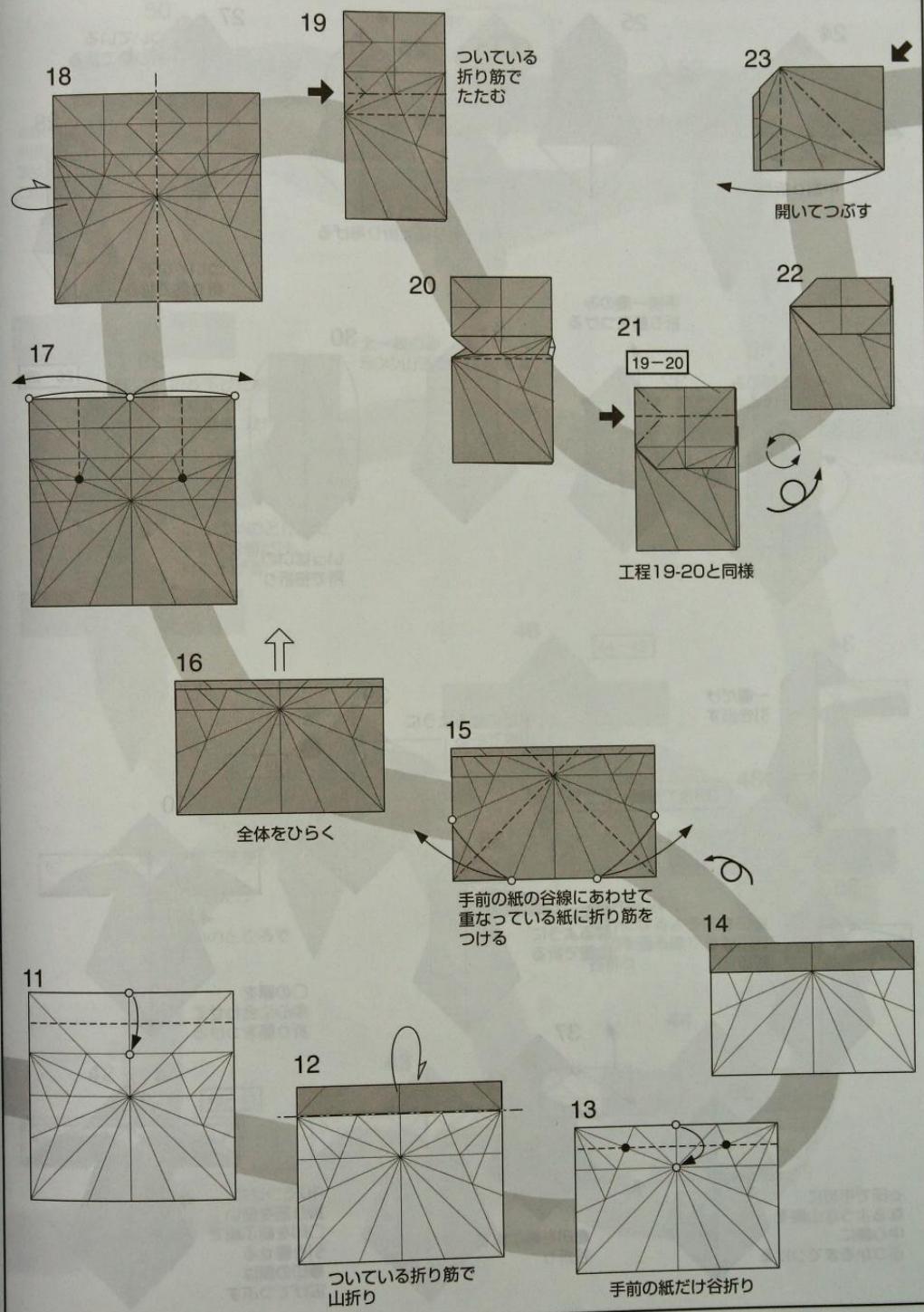
The Winged Victory of Samothrace
by Tsutomu Nakai

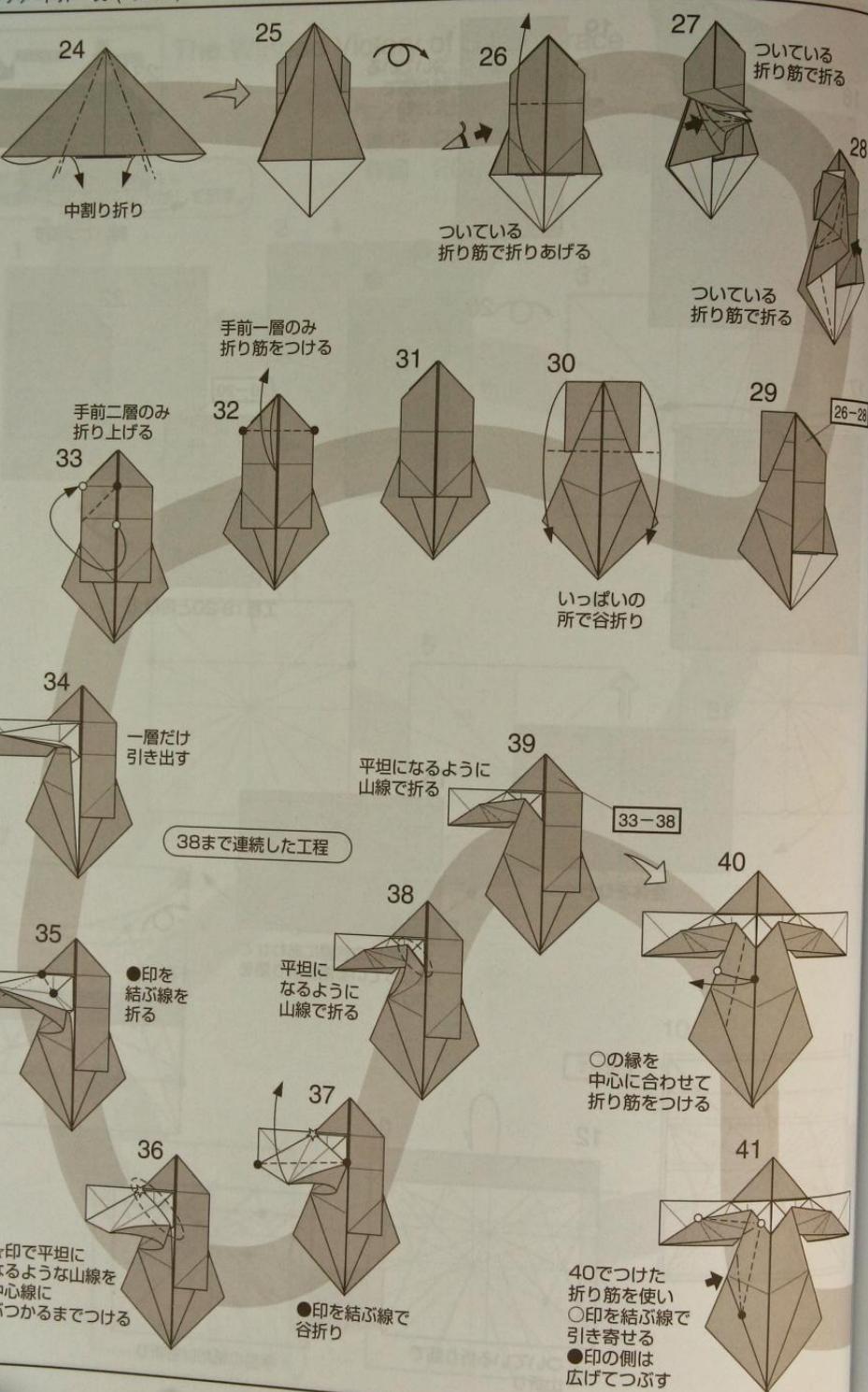
作／図 中井 努
創作 2006年 6月
作図 2006年 6月



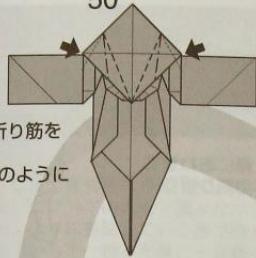
表裏同色の紙が望ましい。
理解のため表裏を色分けして示す。



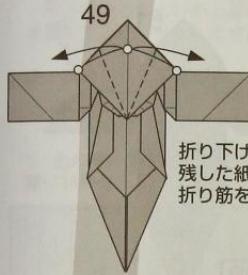




50

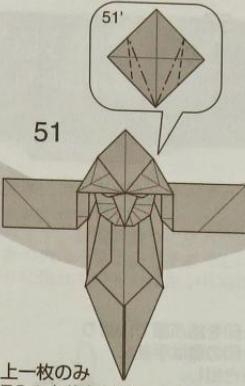


49の折り筋を利用し
次の図のように
つぶす



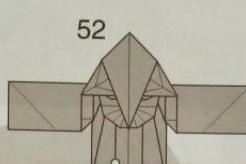
折り下げる紙と
残した紙に
折り筋をつける

51



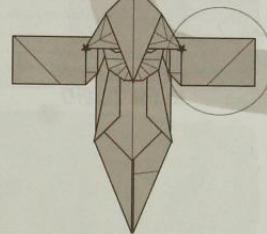
51'

52

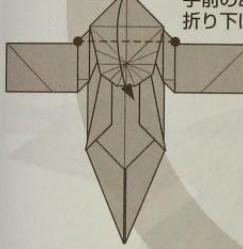


上一枚のみ
50の山谷を付けかえる

53

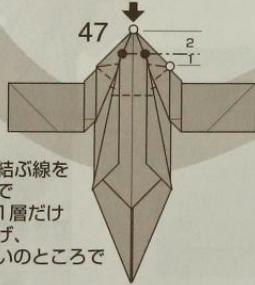


48



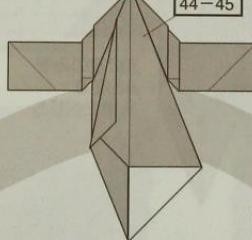
いっぱいのところで
手前の2層だけ
折り下げる

47



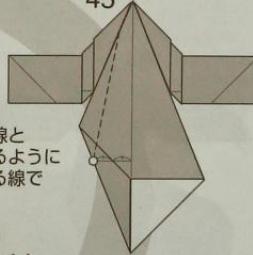
●印を結ぶ線を
つまんで
手前の1層だけ
折り下げ、
いっぱいのところで
つぶす

46



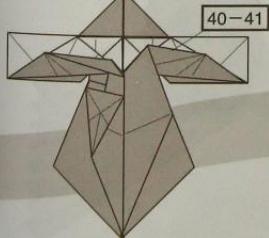
44-45

45



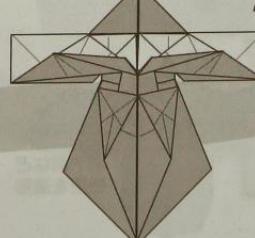
縁が中心線と
平行になるように
○印を通る線で
谷折り

42

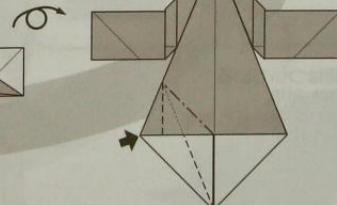


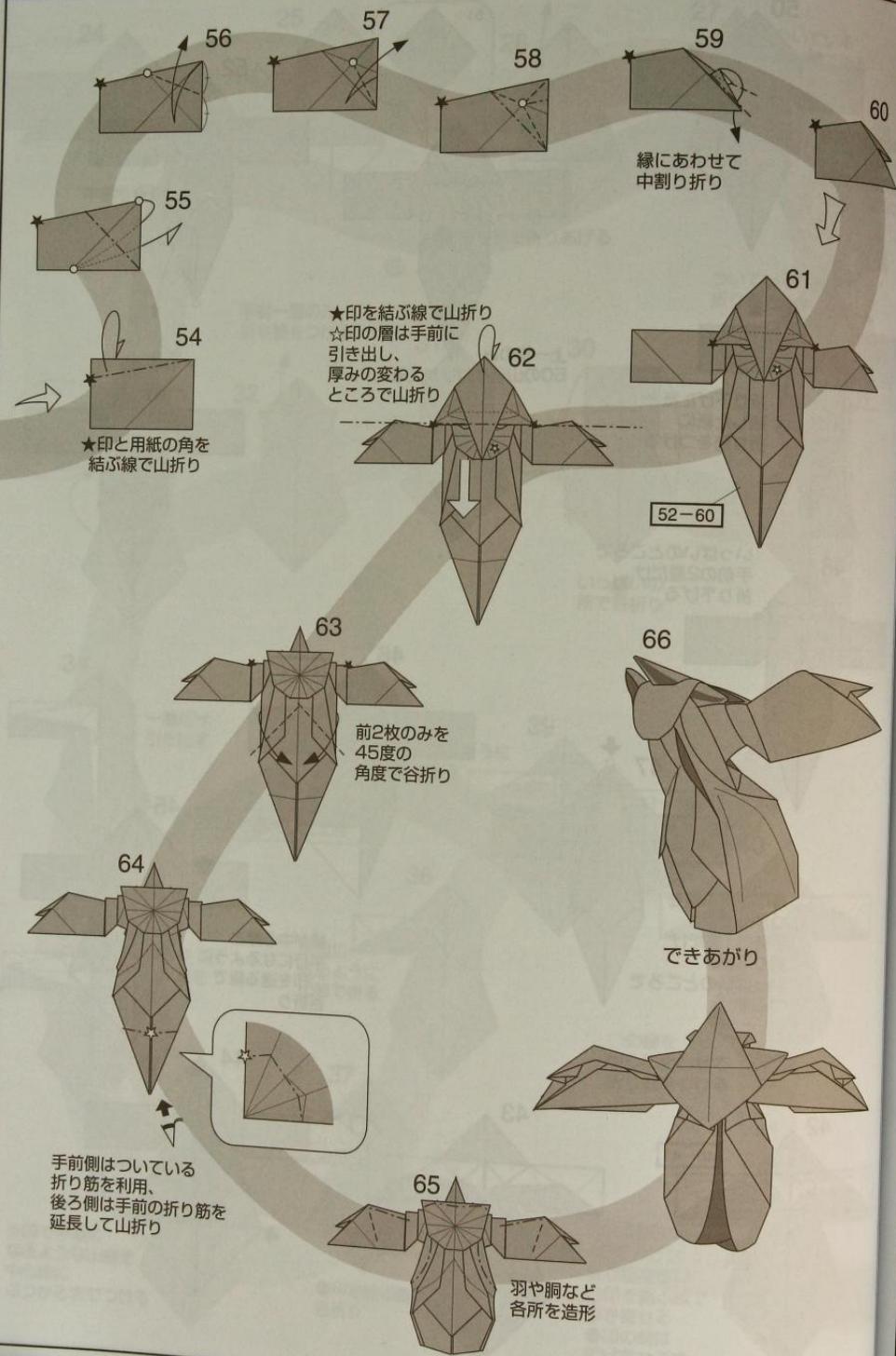
40-41

43



44





かめはめ波を撃つフードの人

man in hood shooting kamehameha wave

館知宏 Tomohiro Tachi

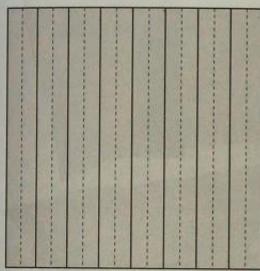
Design : 2005/09

Diagram : 2006/06

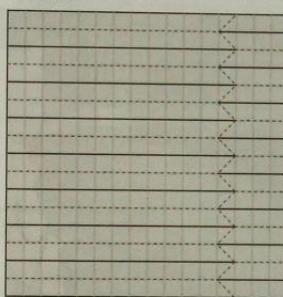
16等分蛇腹で非対称な作品です。応用すれば片手に何かを持ったフードの人、手を繋いだフードの人など様々なバリエーションが作れます。
展開図が徐々に発展していく形で折り図が進みます。展開図折りに慣れていない方は上から下へ折った後、一旦軽く広げて次の列の一番上から下までというペースで折るといいかと思います。展開図折りに慣れている方は左から右に斜め読みできるかもしれません。

山：実線 谷：点線

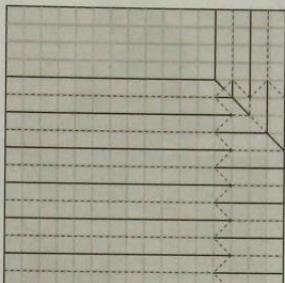
0. 色の薄い側を表にして
縦に16等分



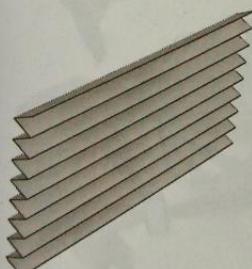
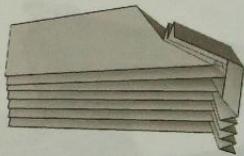
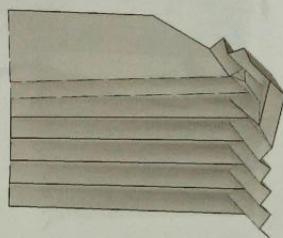
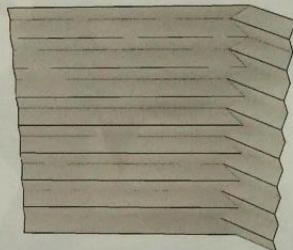
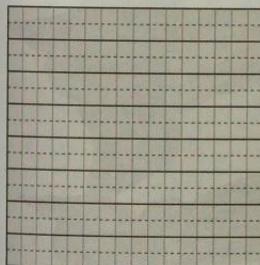
2. 中割折り的な連続な折り
折り筋は紙を重ねてつけると楽



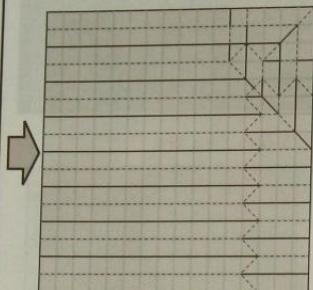
3. 図のごとく折る



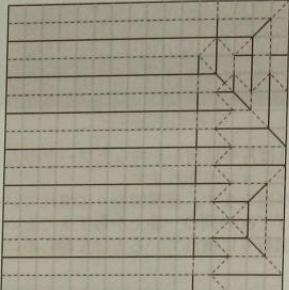
1. 同じく横向きに16等分



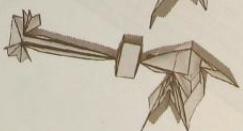
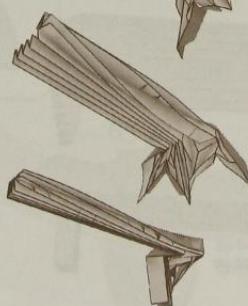
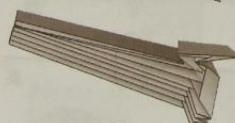
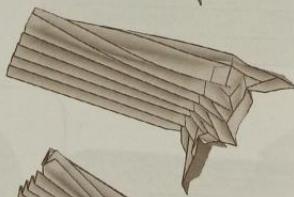
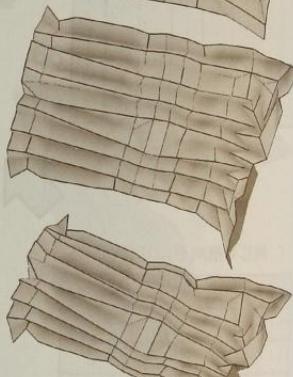
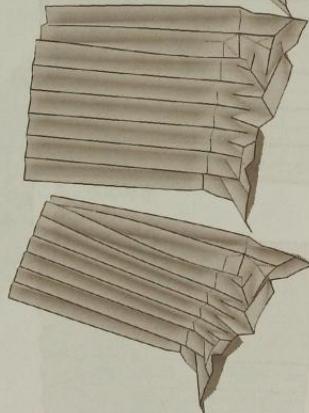
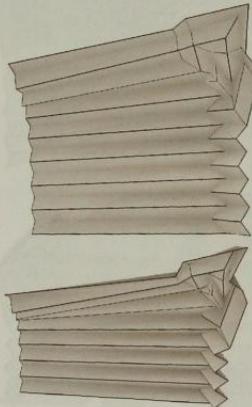
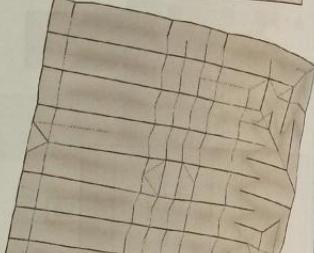
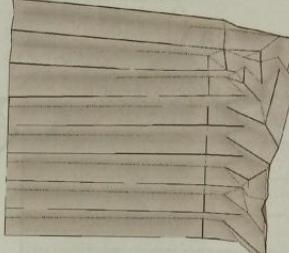
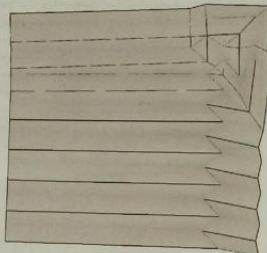
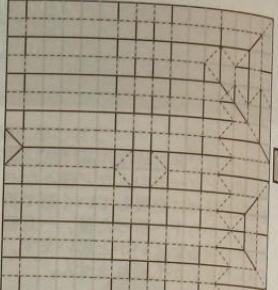
4. 頭と腕のあたりを折る



5. 二足を分離する



6. かめはめ波部分を作る



7. 手足のインサイドアウト及び角の沈め折り

8. 仕上げ

- 手足をつまんで半分の細さにする。
- 手足の関節の角度を調整する。
- 襞を軽く潰して顔を作る。
- かめはめ波が丸くなるように整える。

片足だけ段折りし
足を前後に開く

横

下

9. 完成

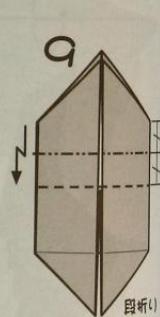
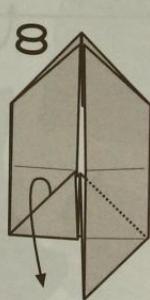
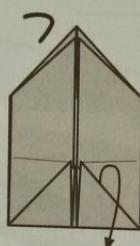
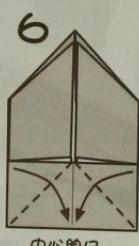
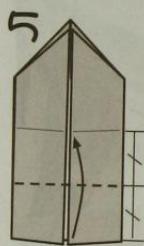
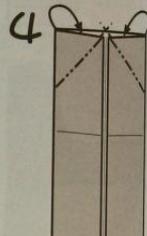
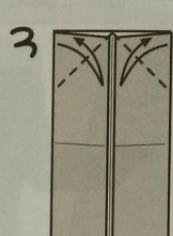
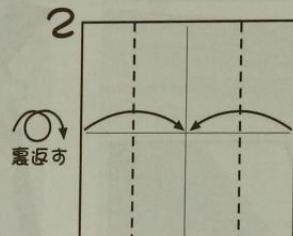
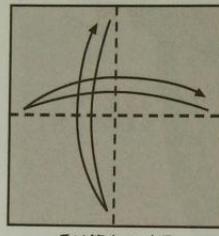
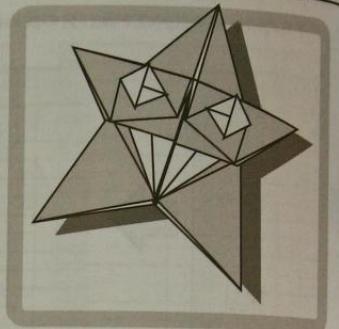
81

おほしさま

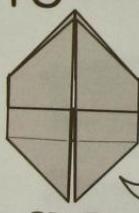
Twinkle Star

創作・作図 木下 剛

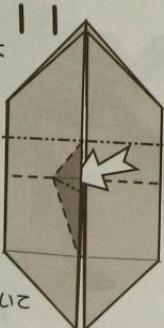
Design & diagrams By Go Kinoshita



10

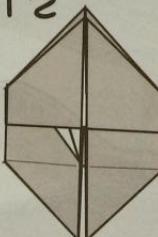


拡大
→



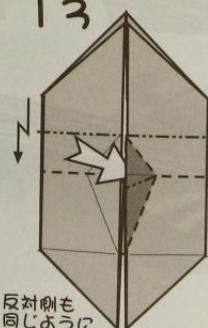
段折りしながら
一番上の紙の
一番灰色部分を開いて
つぶすように折る

12



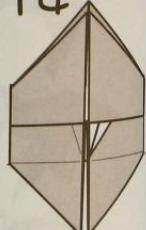
一旦元に戻す

13

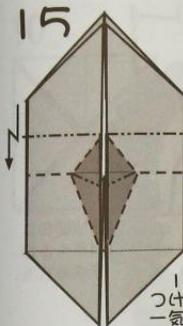


反対側も
同じように

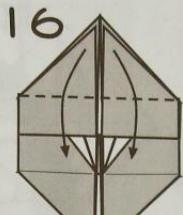
14



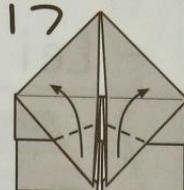
一旦元に戻す



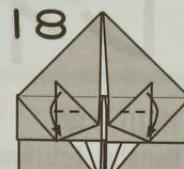
11と13で
つけた折り筋で
一気に折り畳む



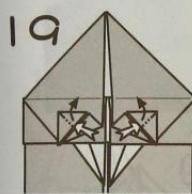
2つのカドも
折り下げる



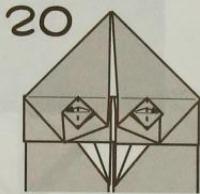
適当な幅で折り上げる



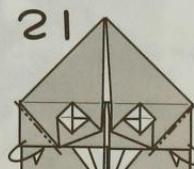
カドも合わせるように
折り下げる



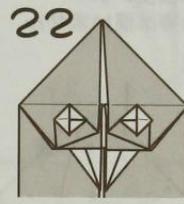
開いてつぶす



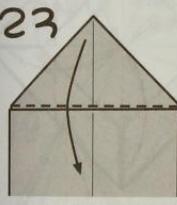
小さなカドを折る



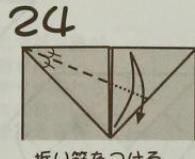
カドも巻き込もうに
折る



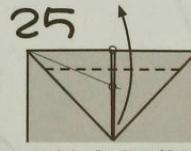
裏返す



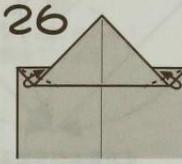
カドも折り下げる



折り筋をつける



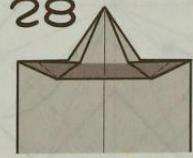
つけた折り筋と腰が
合うように折り上げる



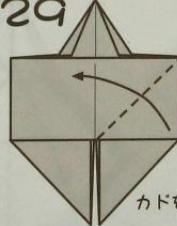
腰に合わせて折る



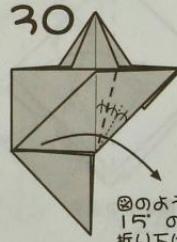
カドの端を
引き寄せるように折る



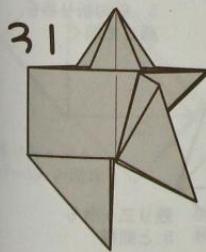
濃い灰色の部分を
すぐ下のヒダの中に入れる



カドを折る



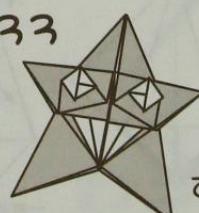
図のように
15°の角度で
折り下げる



反対側も同じように



裏返す

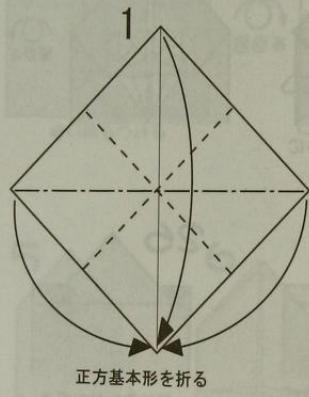
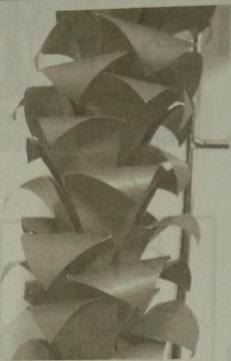


できあがい

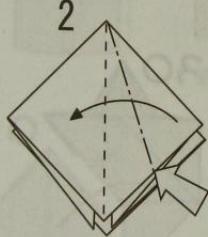
レイ - Lei -

市川 学
Manabu Ichikawa
創作 2006/04
作図 2006/06

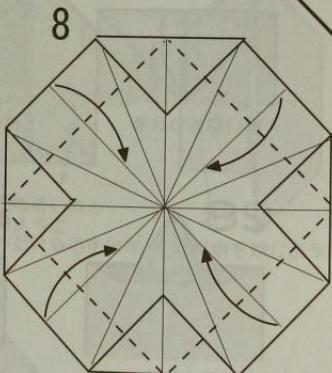
15cmの両面同色の紙を
70~80枚を使います。
糊、糸等は使いません。



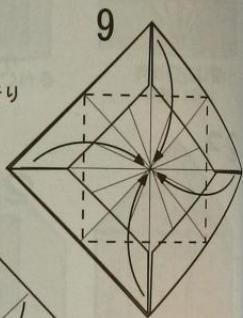
正方形基本形を折る



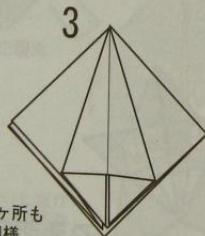
開いてつぶす



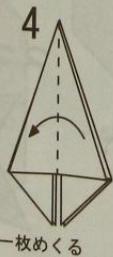
座布団折りの様に
中央へ折り畳む



座布団折り



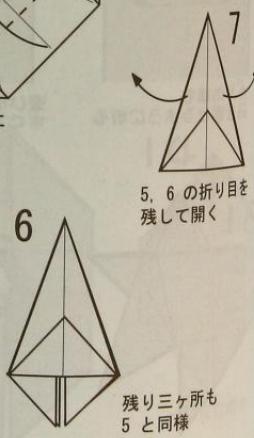
残り三ヶ所も
2 と同様



一枚めくる



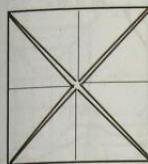
折り上げる



5, 6 の折り目を
残して開く

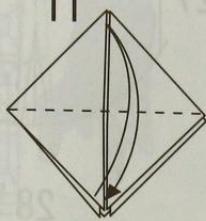
残り三ヶ所も
5 と同様

10



この面が表になるようにして正方基本形を折る

11



折り筋をつくる残り三ヶ所も同様

12

鶴の基本形を折る

13

折り下げる反対側も同様

14

18

両側の紙を引き出して開く

※ ここで折り線が山折りから谷折りへ変わる全て山折りにして形を整える

16

残り三ヶ所も15と同様

15

折り筋に合わせて開いてつぶす

19

折り畳む

22

開いてつぶす

23

20

残り三ヶ所も17~19と同様

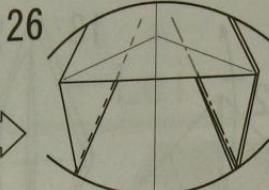
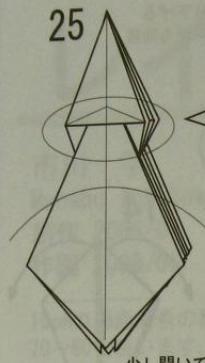
21

折り下げる残り三ヶ所も同様

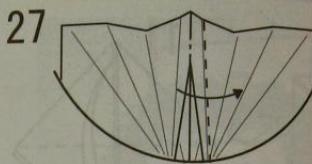
24

残り七ヶ所も22, 23と同様

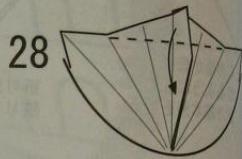
85



左側を谷折りし、
右側を山折りする
残り三ヶ所も同様
※ 上部の三角形は
折らない

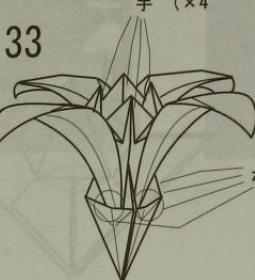


右へ
折り畳む



下へ折り畳む

少し開いて
内側から見る



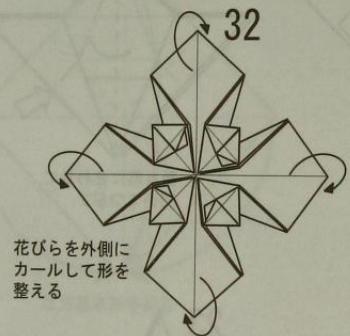
残り三ヶ所も
27~30と同様



両側を中央へ段折り

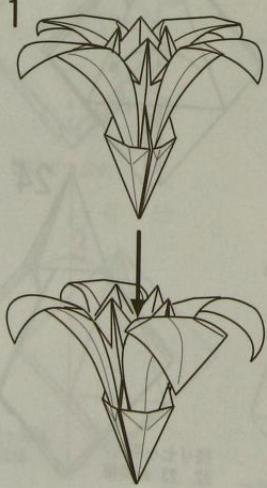


あやめの
基本形の様に
折り畳む



花びらを外側に
カールして形を
整える

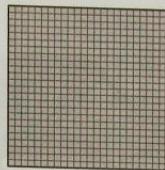
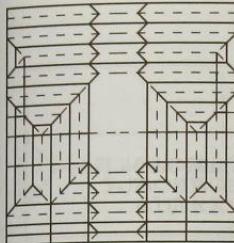
組み方



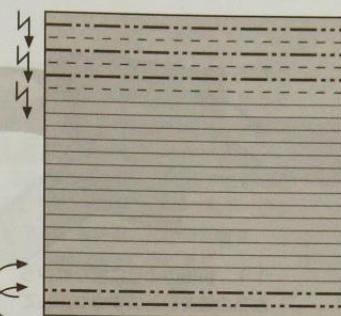
手を倒して
ポケットの中に
差し込む
反対側も同様



1, 2と
同様に70~80枚組み
輪にする



1. 縦横に 24 等分の
折り目をつける



2. 上端は段折、下端は巻くように折る。

折りたたみ椅子

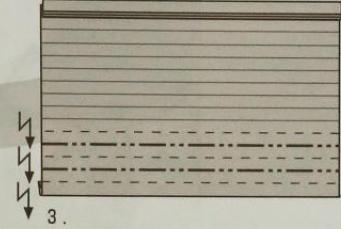
Camp chair

by Yoshiro TSUDA

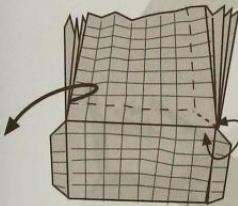
created May 18, 2006



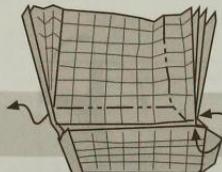
4. 左右から 10 個目の角（4 カ所）を
つまむように折る。



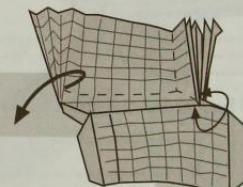
3.



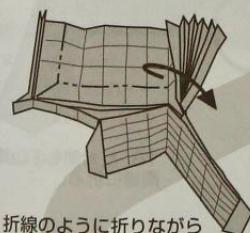
5. 折り線のように折りながら
左側の襞をひとつぶして
ひとマス分左に広げる。



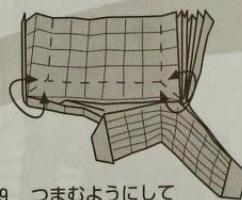
6. 右側はつまむようにして
山折線のように折る。
左側は下から指を入れ
押し上げるように襞をつ
ぶして左にひとマス分広げる。



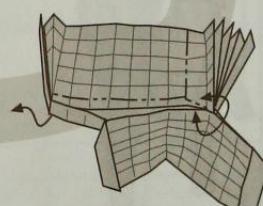
7. ⑤と同様に折る。



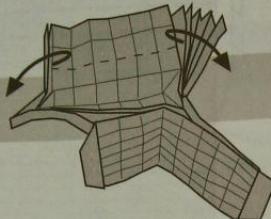
10. 折線のように折りながら
右側の襞をひとつぶして
一マス分右に広げる。



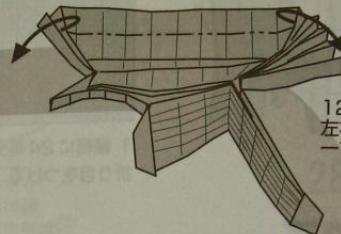
9. つまむようにして
折り線のように折る。



8. ⑥と同様に折る。



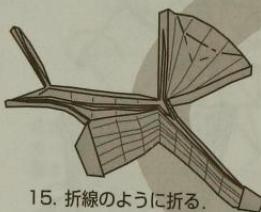
11. 折線のように折りながら
左右の襞をひとつづつぶして
一マスずつ広げる。



12. 山線のように折り、
左右の襞をつぶして
一マス分広げる。



13. 全体をしっかりと
折りたたむ。



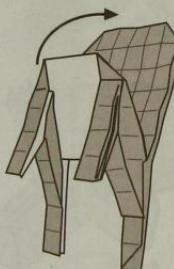
14. 褶を開く。



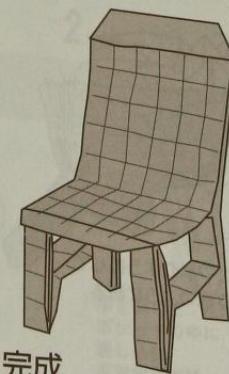
15. 折線のように折る。



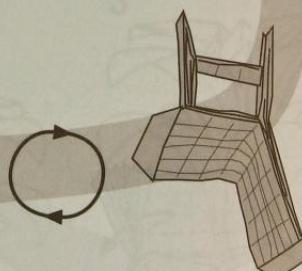
17. 長い方の筒状の
部分に短い方を差し込む。



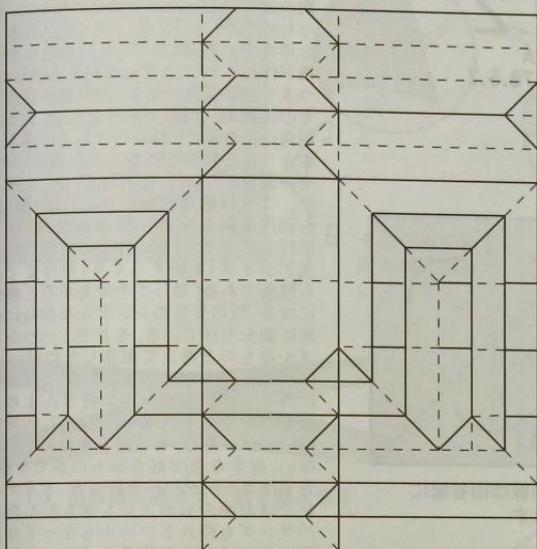
このように折りたためますが、
座るときはうまくバランスを
とらないと椅子がつぶれます
のでご注意(笑)



完成



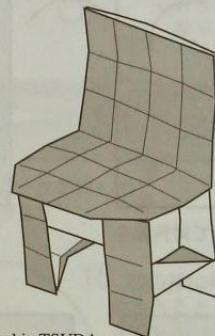
18. 反対側も⑤以降と
同様に折る。



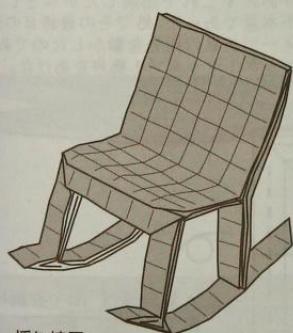
折りたたみ椅子は 24 等分を基本にして折っていますが、16 等分でもほぼ同様に折ることができます。16 等分で折る場合の展開図を左に示します。

さらに 32 等分を基本として椅子を折ると脚が長くなりうまく変形すると揺り椅子（ロッキングチェア）を折ることができます。

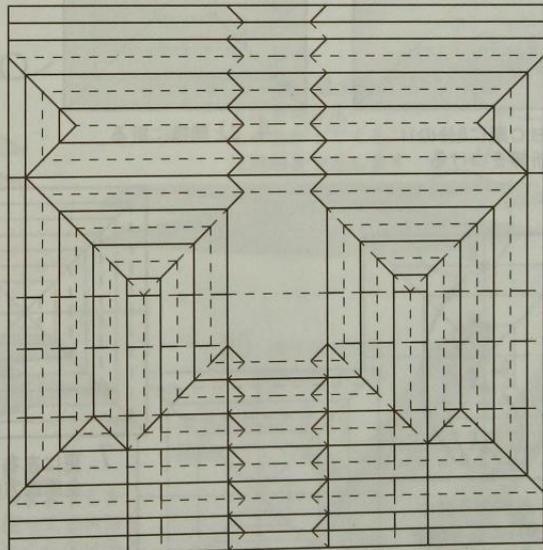
揺り椅子の展開図を下に示します。



Yoshio TSUDA
created Nov. 25, 1993



揺り椅子
(Rocking Chair)
by Yoshio TSUDA
created May 18, 2006

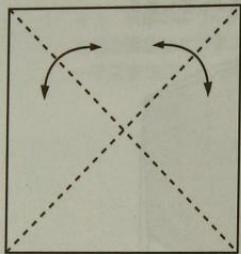


展開図をよく見て、折りたたみ椅子と同じような折り方で折ってみてください。

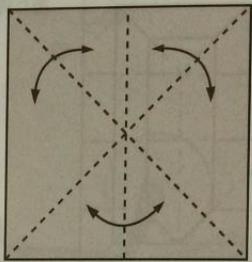
BUILDER-NO.2

MODEL & DESIGNED BY ICHIRO KINOSHITA
ORIGAMI-BUILDER
BRIDGE

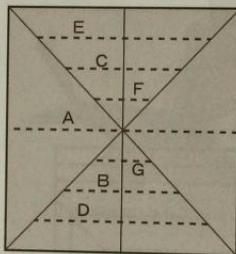
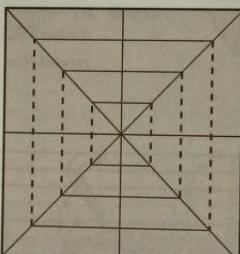
1978.5.7



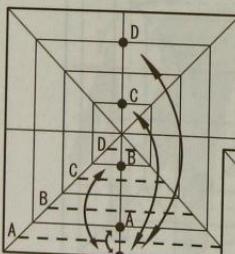
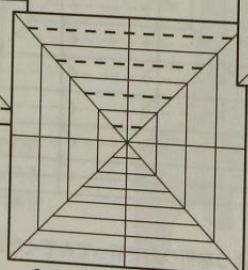
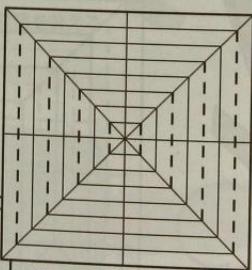
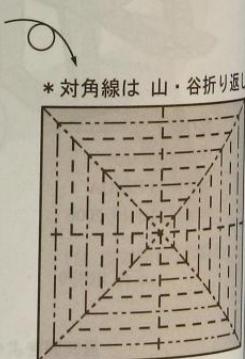
1. 裏面を上にして対角線を谷折り



2. 対角線は山谷線にります

3. A B C順に8分の1に
谷折線をつける

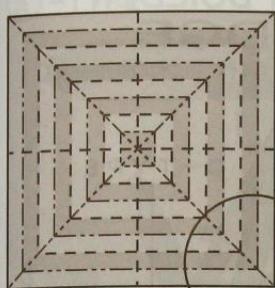
4. 3と同様に折る

5. 点と点が合う様に
16分の1の折り線を
つける6. 5と同様に、折り筋を
つける7. 更に左右も即ち
全周四方向谷折り

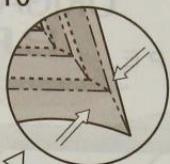
* 対角線は 山・谷折り返し

8. 折線完了図

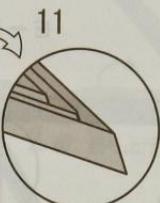
半年前(1978.5.7)から、日本折紙協会大阪支部の例会場が大阪北の中津駅の近くにあったので例会の帰りにいつもあのブリッジがなんとかならんかな?と考えていて、桃谷先生に「何とかあの橋が作れんかな」と思っていると話したつまり創作宣言である。あの細い鉄骨とその接続が問題であった。とりあえず四角い折り紙で細いそれも手の四本五本と出で物を作ることに専念した。その過程で RAIL-BUILDER が完成した。これは駅や牧場のフェンス(柵)にも利用出来るのである。平面BUILDERも平行して考えた。私の作品は立体それもリアルサイズ(本物そっくり)が今までから信条である。従ってややもすると複雑になる。竹川先生のシンプルな作品には常に頭を下げている。そこで一につまでも簡単なものと見て創作したのが... ORIGAMI BUILDER NO1である。これは既に角カンタンもカンタン奴さんよりもカンタンかもしれない。しかし利用度はいっぱいある。もう積み木なんていらない。好きな色で好きなものができる。まずはカラータワーを作った。ビルディングはお手のもの入口も窓もかんたんペランダも作れるブルも作ってみたアルミホイルと二枚重ねで作ったら重ね部分がうまい具合に水中ラインになつて楽しかった。チェスのボードなんて簡単、お陰でチェスボードも作るハメになった。これもすばらしいものになった。キングもクイーンも要るので、これまた王冠の新作が出来た。勿論ルック(城)も馬もビショップ(僧侶)もある。そこへ大阪支部のおりがみ展の為ブリッジが愈々必要となつた。これは又別の作品でありあえずこれで出したが私としては不本意であった。處でその最終日の夜イメージが私の指先を動かしたのである。ヤッタ! ヤッタ! 喚声をあげた。



10



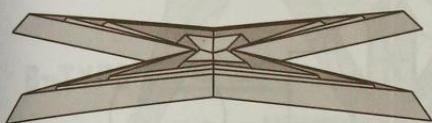
9. それぞれの角を
図の様に描んで
いきます



11



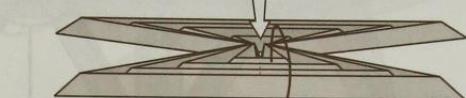
12. 外側から順に
折り線に従って
折り込んでいきます



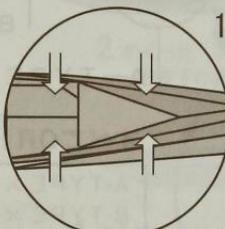
13. 図の様に押さえて形を整えます



15. 白矢印の所を
押さえて三角につぶす



14. 台形の一枚を残して
前に開きます

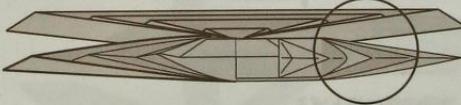


16. 図の様に4箇所を
押さえると三角に
ふくらんでくるので
それを序々に押させて
形を整えます



17

18. 今一度、拡大図の
2点を押さえ
もりあがってくる
三角形をつぶします

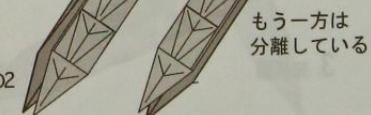


19. 最後も同様に2点を押さえ
紙の先を矢印の方に引っ張ると
三角が若干ふくれだすので、
これも静かに上から押さえ
形を整える
これで三段のウロコの様な
三角が出来上がります

裏側から
つまようじを
使って三角形を
ふくらませると
上手く出来ます

20. 残り三ヵ所も
同様に仕上げる

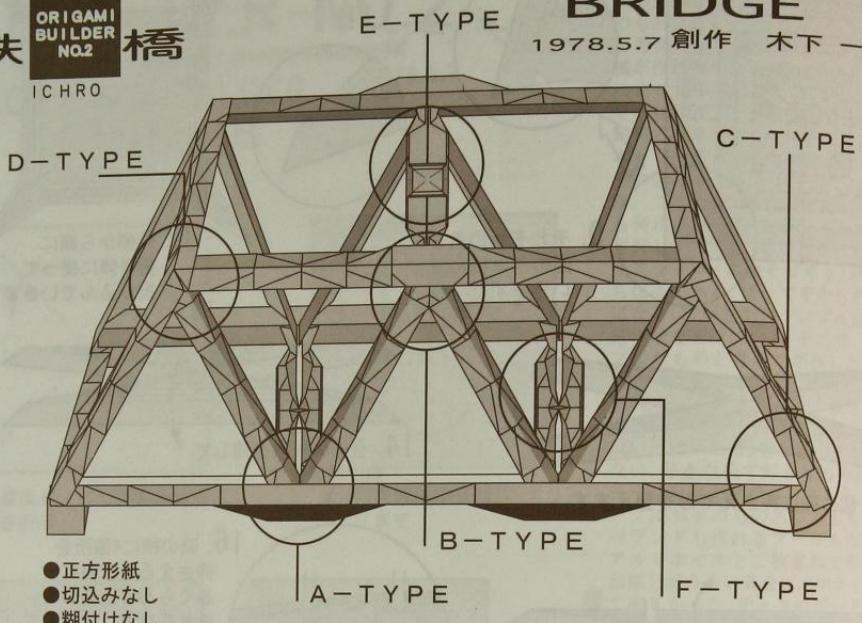
一方は折りによって
連結している



KINOSITA
ORIGAMI
BUILDER
NO.2 橋
ICHRO

ORIGAMI-BUILDER BRIDGE

1978.5.7 創作 木下 一郎

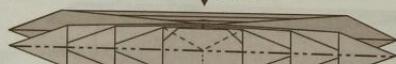


すべてORIGAMI-BUILDER-NO2を使用

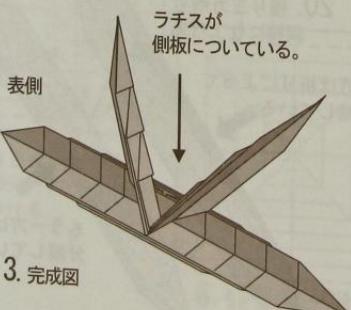
A-TYPE × 4	上向きラチス	D-TYPE × 1	上部コーナー
B-TYPE × 2	下向きラチス	E-TYPE × 1	天接続
C-TYPE × 4	下部コーナー	F-TYPE × 2	床接続

A-TYPE **(A)-TYPE**

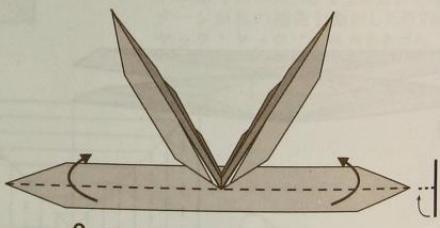
↓接続部分



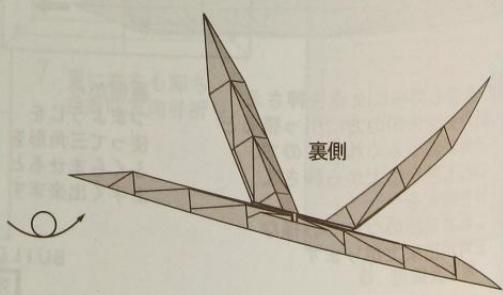
1. 次図の様に折り上げる。



3. 完成図

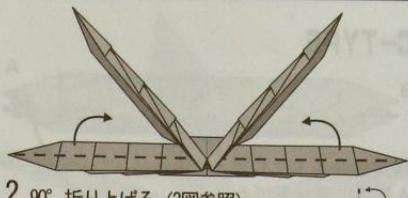


2. 90° 折り上げる (3図参照)



A'-TYPE

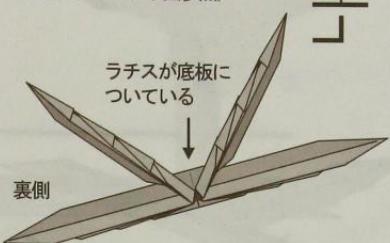
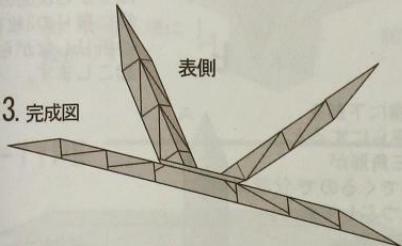
1. 接続部分



2. 90° 折り上げる (3図参照)

表側

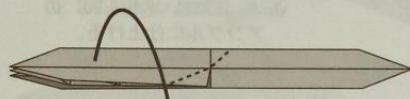
3. 完成図



裏側

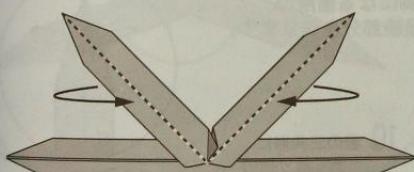
B-TYPE 

1. 接続部を上にして一枚めくる。

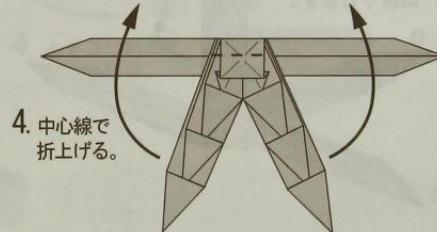


2. めくった一枚を下に折り下げる。

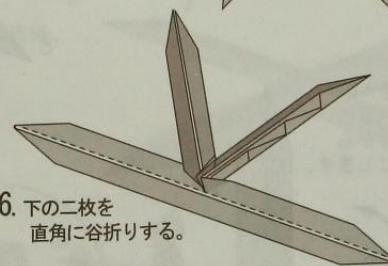
3. 中心を開くようにもう一枚も折り下げます。この時折り下げた2枚の後ろに三角のひだができる様に折る。



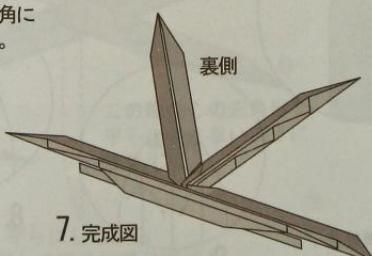
5. 折上げた2枚をそれぞれ直角に谷折りする。



4. 中心線で折り上げる。

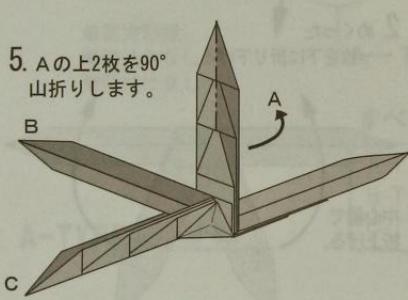
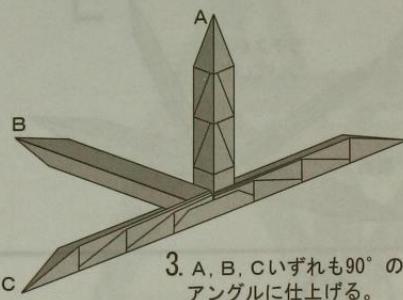


6. 下の二枚を直角に谷折りする。

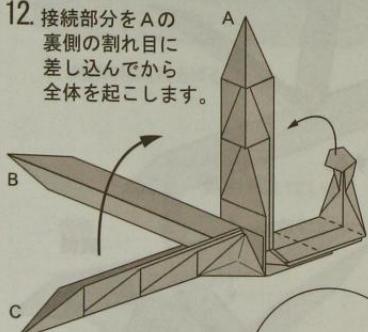


表側

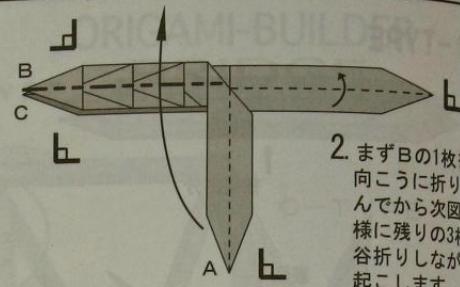
7. 完成図

C-TYPE

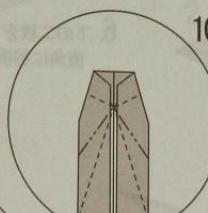
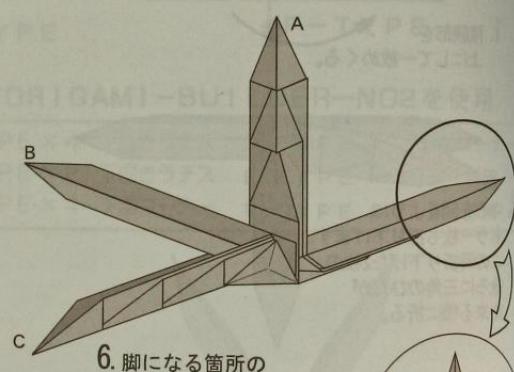
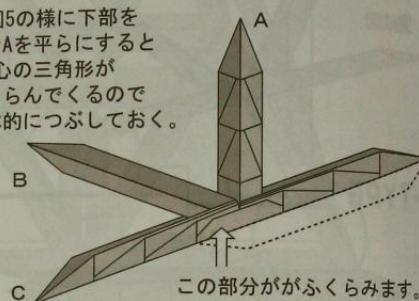
12. 接続部分をAの
裏側の割れ目に
差し込んでから
全体を起こします。



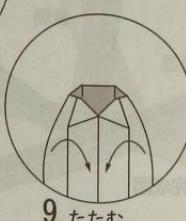
94



4. 次図5の様に下部を
開きAを平らにする
中心の三角形が
ふくらんでくるので
立体的につぶしておく。



11. 接続部完成



8. 頂点を内側の
三角形の頂点に
あわせて谷折り。

D-T

1.

5.

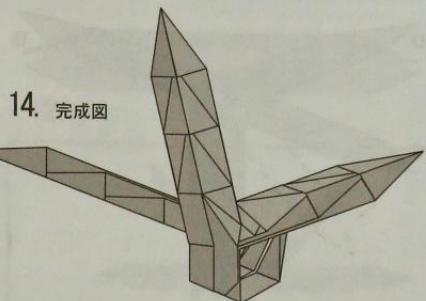
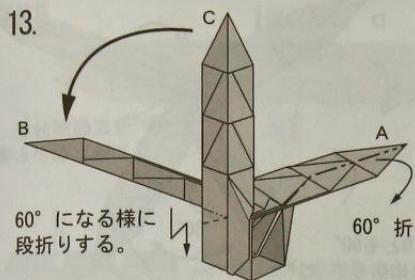
6.

A

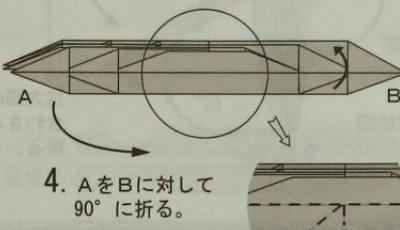
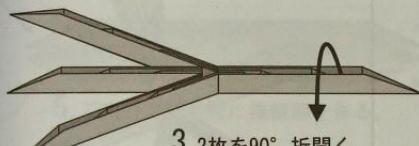
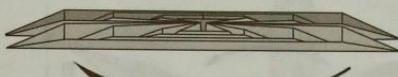
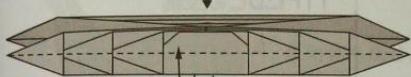
B

8. B,

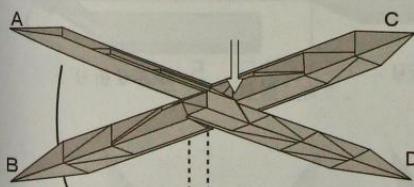
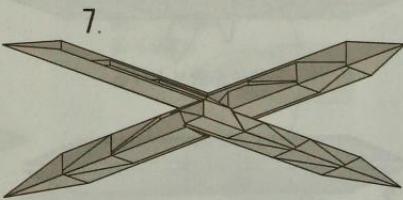
A

**D-TYPE**

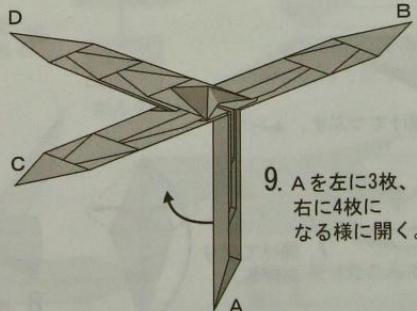
↓接続部分

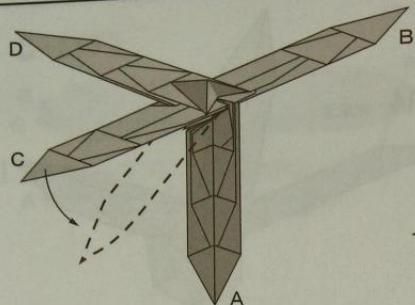


6. 反対側も同様。

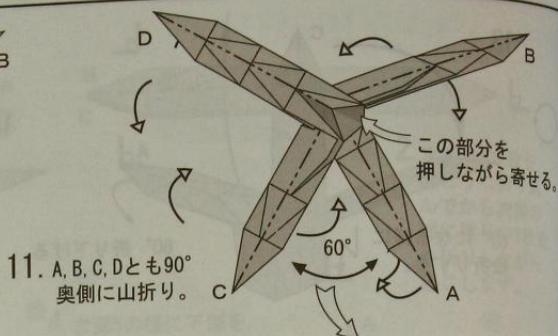


8. B, Cを、平らにしながらAをDに対して直角に折り下げる。

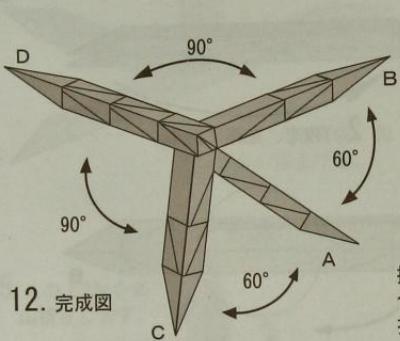




10. AとCが 60° になる様に折る。



11. A, B, C, Dとも 90°
奥側に山折り。 C A



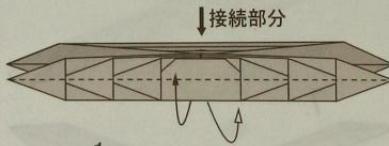
12. 完成図

拡大図の太線が
合わさる様に
折る。

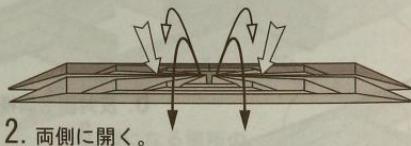
TYPE.Bとの接続



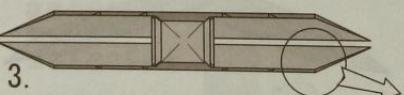
E-TYPE



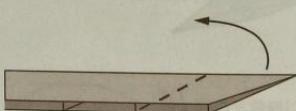
1. 下部分を折り上げる



2. 両側に開く。



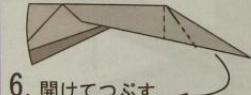
3.



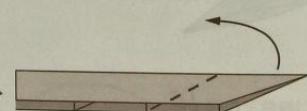
4. かぶせ折り



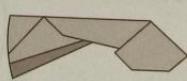
5. かぶせ折り



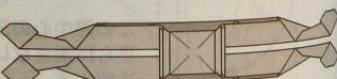
6. 開けてつぶす。



7. 開けて折り
あげる。



8. 四力所とも同じ。

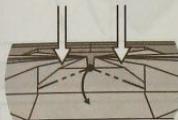


9. 完成図

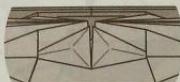
F-TYPE

↓接続部分

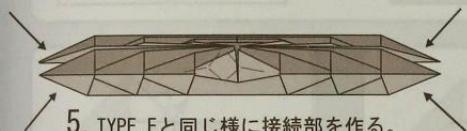
1. 下部分を 90° に
折り上げる



3. 矢印部分を押さえながら
中心を折り下げる下図の様に
立体的につぶす。



4. 反対側も同じ。



5. TYPE.Eと同じ様に接続部を作る。

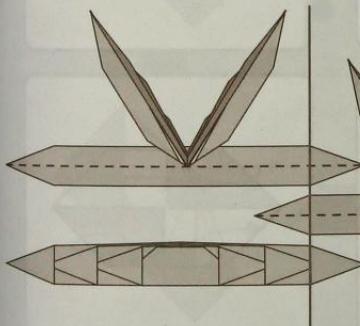
6. 完成図



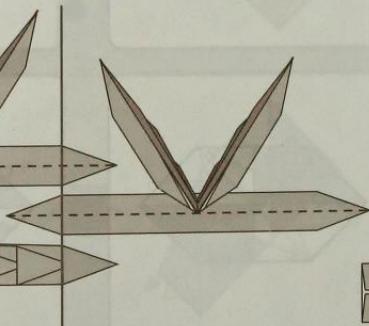
2.

**オリガミ・ビルダー N0.2 の接続の仕方**

BUILDER - NO.2 - How to Connect -

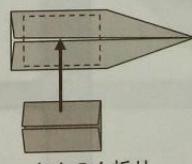


このラインで
接続します。

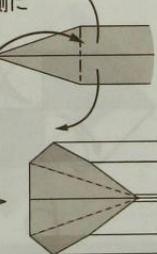


強化材を
中へ入れる。

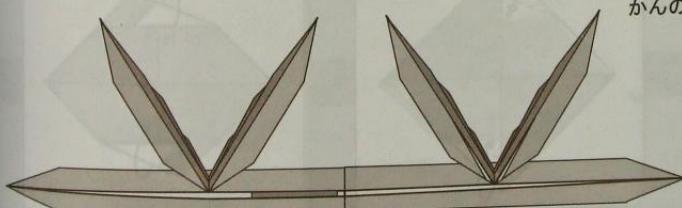
開いて内側に
折り込む。



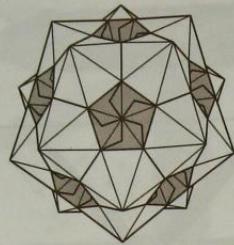
かんのん折り



この部分に、片方を
差し込んで折りたたむ。

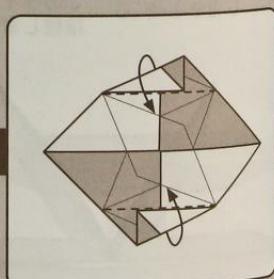
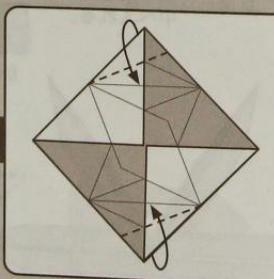
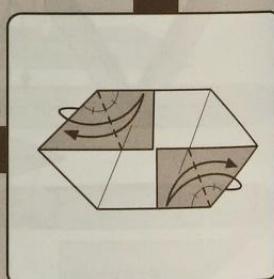
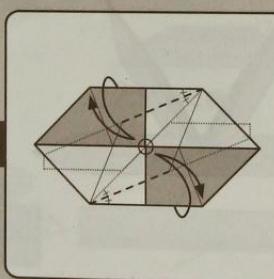
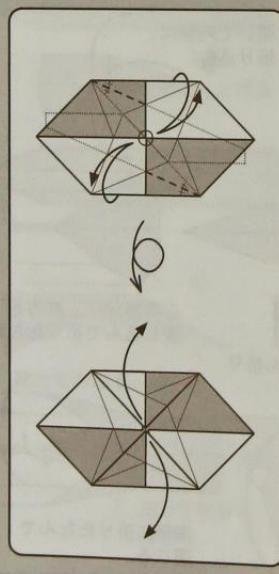
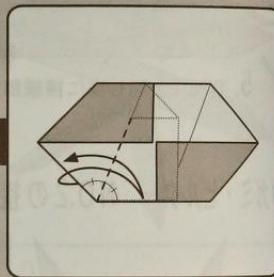
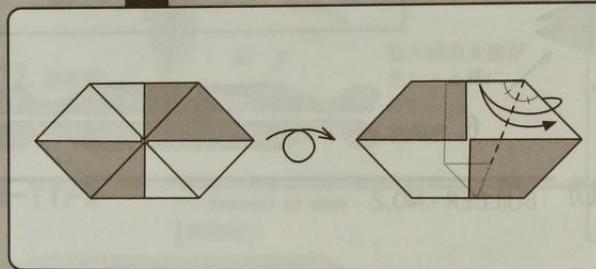
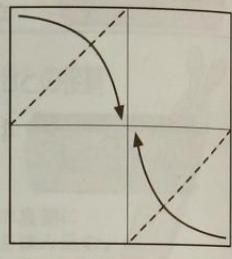
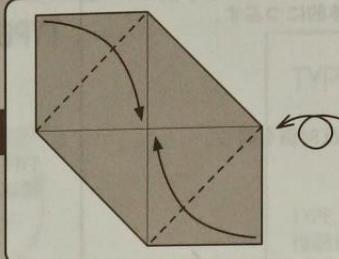
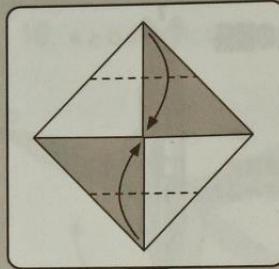
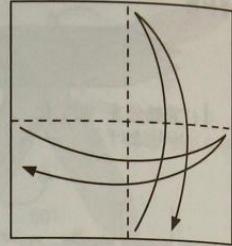


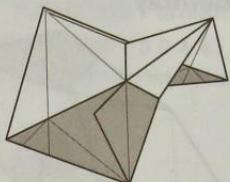
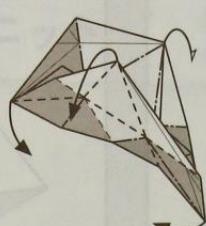
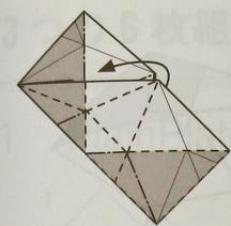
内側に折りたたんで
閉じる。



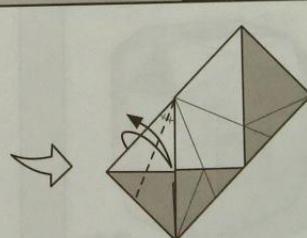
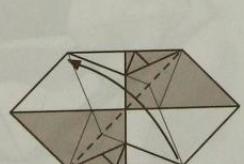
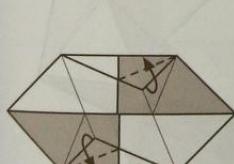
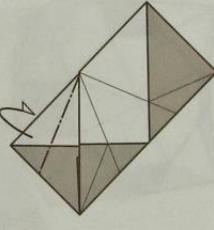
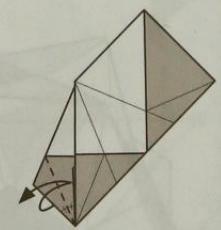
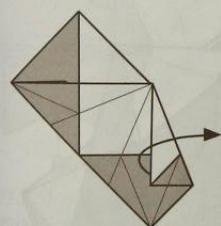
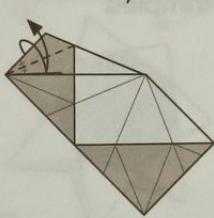
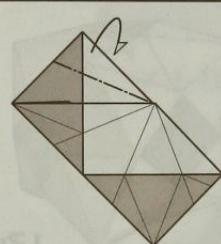
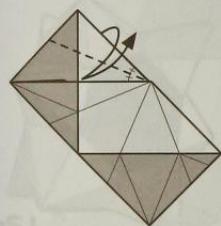
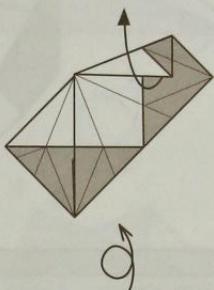
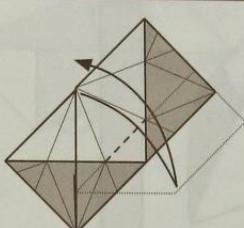
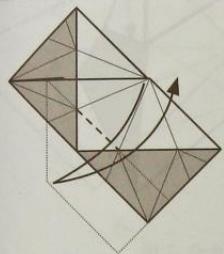
CLUSTER

MODEL AND DIAGRAMS BY TANAKA MASASHI

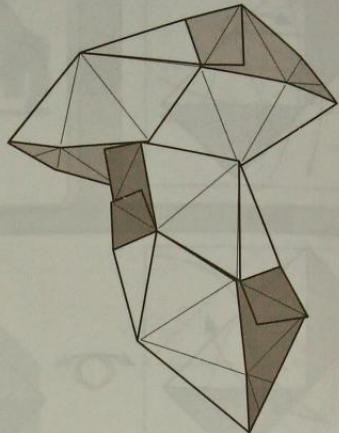
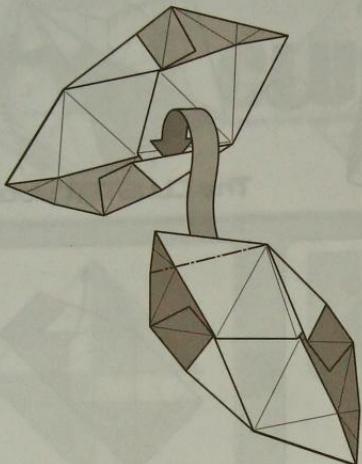




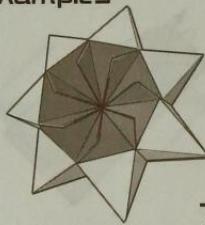
The CLUSTER piece



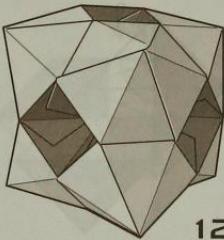
Assembly



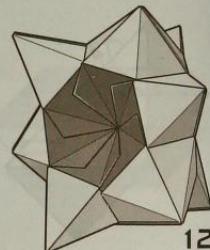
Examples



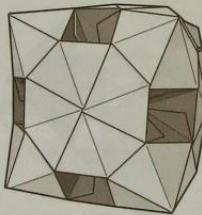
7p



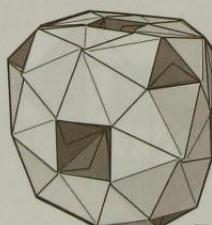
12p



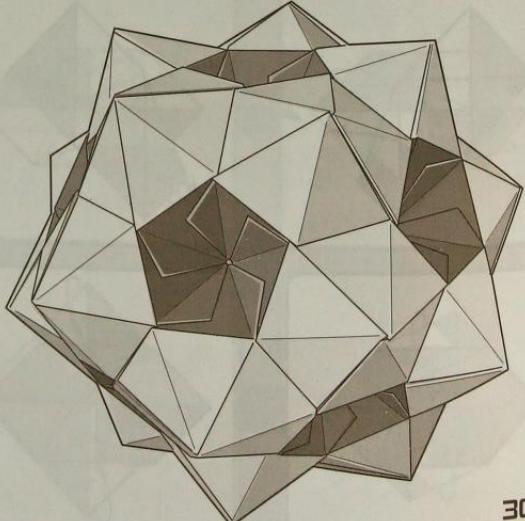
12p



24p



24p

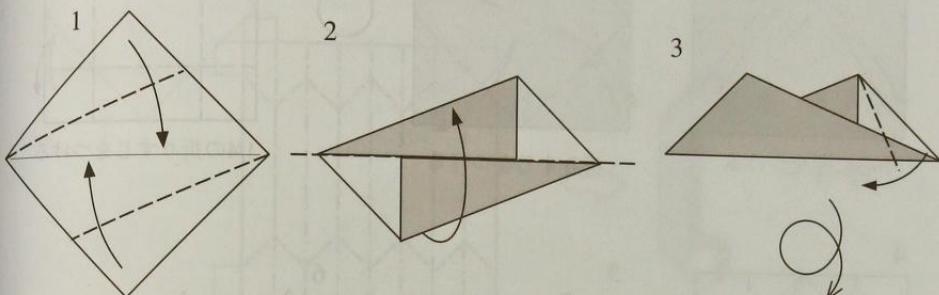


30p

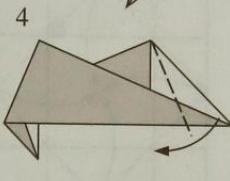
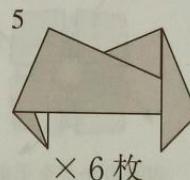
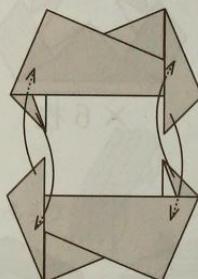
3つの6枚組みユニット

川畠文昭 Kawahata Fumiaki
作図2006年6月(創作2004年)

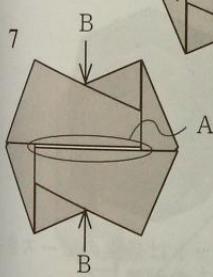
1 PlainPlate



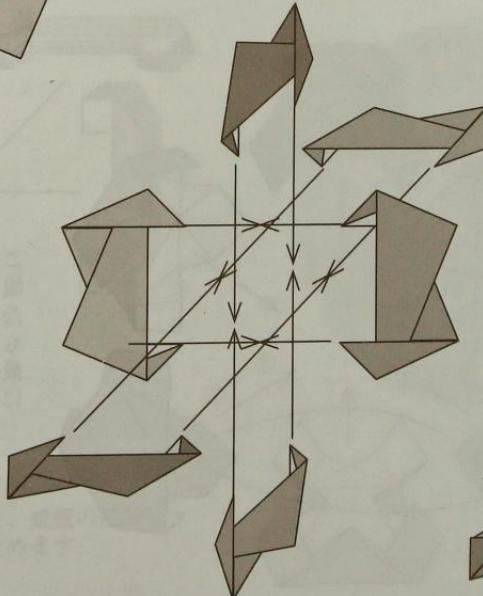
6 組み合わせの基本



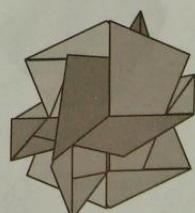
8 6枚組み合わせる



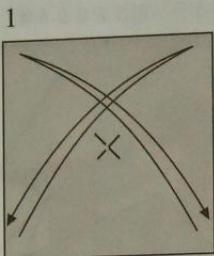
Aのスリット部に
Bの凹みをいれて
全体を組み合わせる



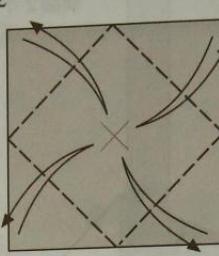
できあがり



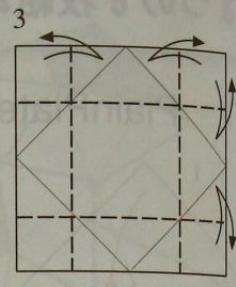
2 フラストレーションキューブ 2



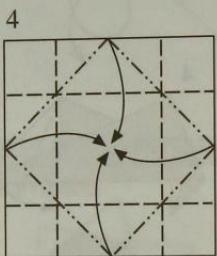
中心に印をつける



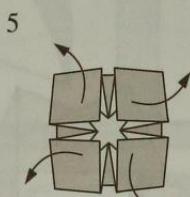
折りすじをつける



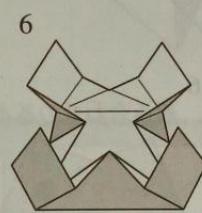
1/4の折りすじをつける



ついている
折りすじを使って
折りたたむ



四隅のかどを手前側に
直角に立てる

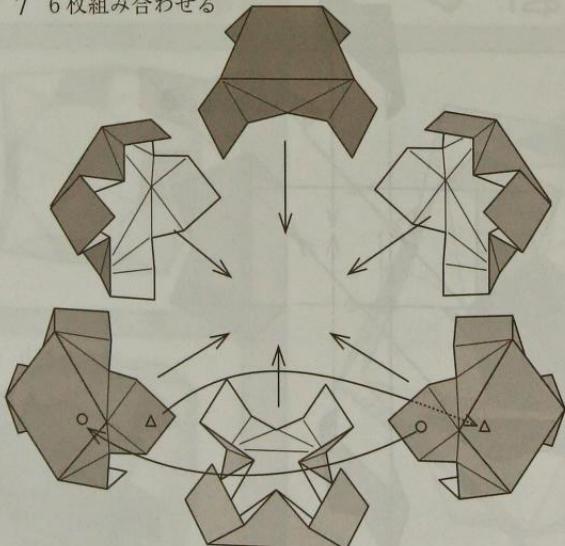


× 6枚

できあがり



7 6枚組み合わせる



○、△の印がそれぞれあうように
互い違いに組み立てていく。

このユニットは最後のピースを組み立てるのが難しくたいへんストレスがたまります。もしもどうしてもできない人は最後にいれるピースを図1の様に折ってください。

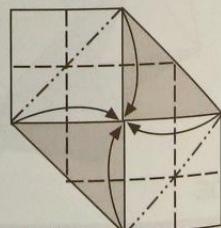
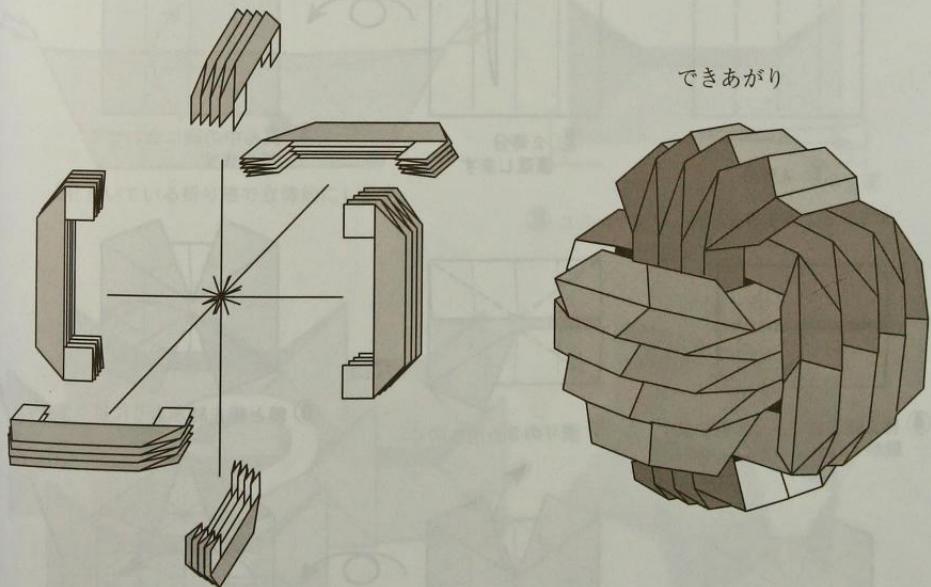
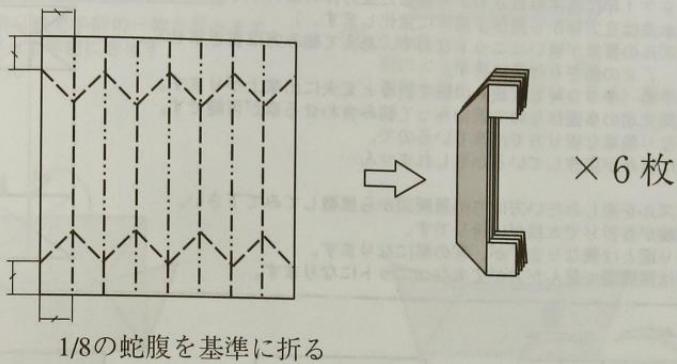


図1

3 ポニヨポニヨ

手の中で転がしても
柔らかい状態で保持
しているユニットです。



組み上げたあと、蛇腹の部分を
広げて全体を止めます

作/20060618

図/20060620

吉本キューブ"YOSHIMOTO'S CUBE"

Copyright Hideaki Kawashima/川島 英明

1971年に吉本直貴さんが考案した立方体の幾何学オブジェです。

（本来は立方体から星形多面体に変化します。）

パズルの要素が強いユニットなので、あえて組み方は書きません。

1 : $\sqrt{2}$ の紙を6枚使います。

厚手の（100kg前後）の紙で折ると丈夫に出来上がります。

空間充填の多面体なので沢山作って組み合わせる事が可能です。

かなり簡単な折り方で出来ているので、

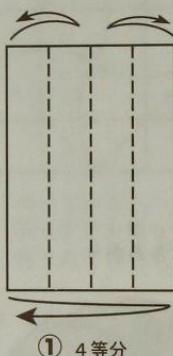
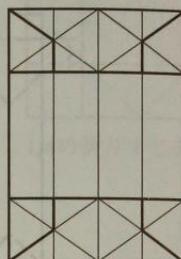
既に誰かが創作しているかもしれません…

パズルを楽しみたい方は右の展開図から挑戦してみて下さい。

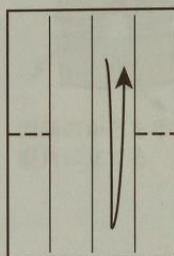
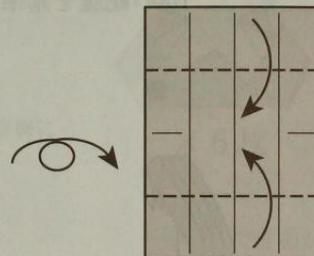
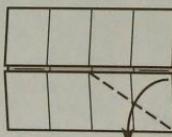
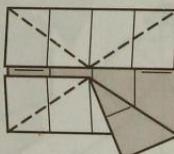
細線が谷折りで太線が山折りです。

折り図とは異なりますが、⑩の形になります。

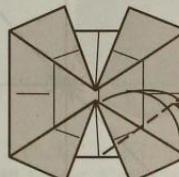
実は展開図で畳んだ方が丈夫なユニットになります。



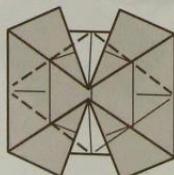
① 4等分

② 2等分
裏返します③ 真ん中の線に合わせて
折ります④ 線と線を結ぶように折ります
紙がずれないように

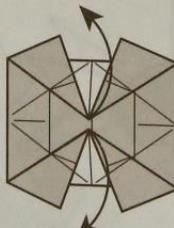
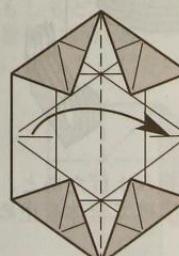
⑤ 残りの3カ所も同じ

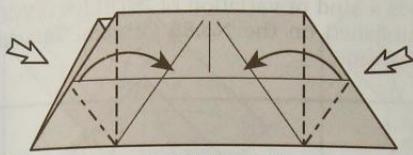


⑥ 線と線を結ぶように折ります

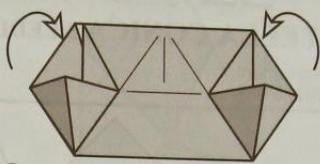


⑦ 残りの3カ所も同じ

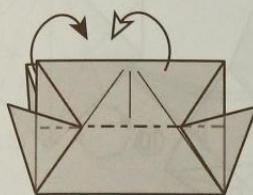
⑧ このように。
折れたら広げて裏返します⑨ 半分に畳みます
次図90度回転&拡大



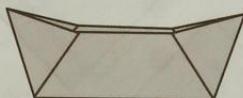
⑩ 既に付いている折り筋で手前の一枚を畳みます
上の紙が持ち上がって手前にきます
平面にはなりません



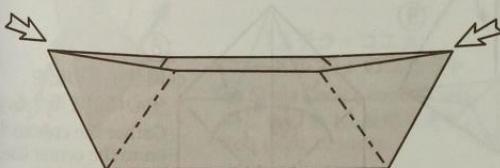
⑪ 立体図です
図のようになっていればOK
裏側も同じように畳むと平面になります



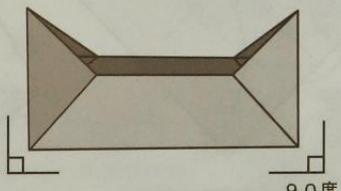
⑫ 既に付いている折り筋で内側に畳みます
裏側も同じように内側に紙を折り込みます
途中で紙が引っかかりますが気にせず折って下さい



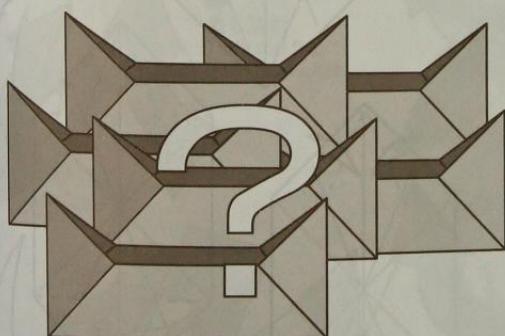
⑬ 図のようになっていればOK
次回拡大



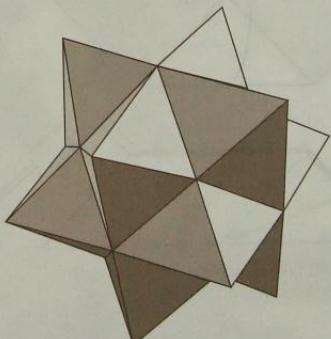
⑭ 付いている折り筋で立体的にします



⑮ ユニット完成。同じものを6つ作ります



⑯ 完成図を参考に組んでみましょう



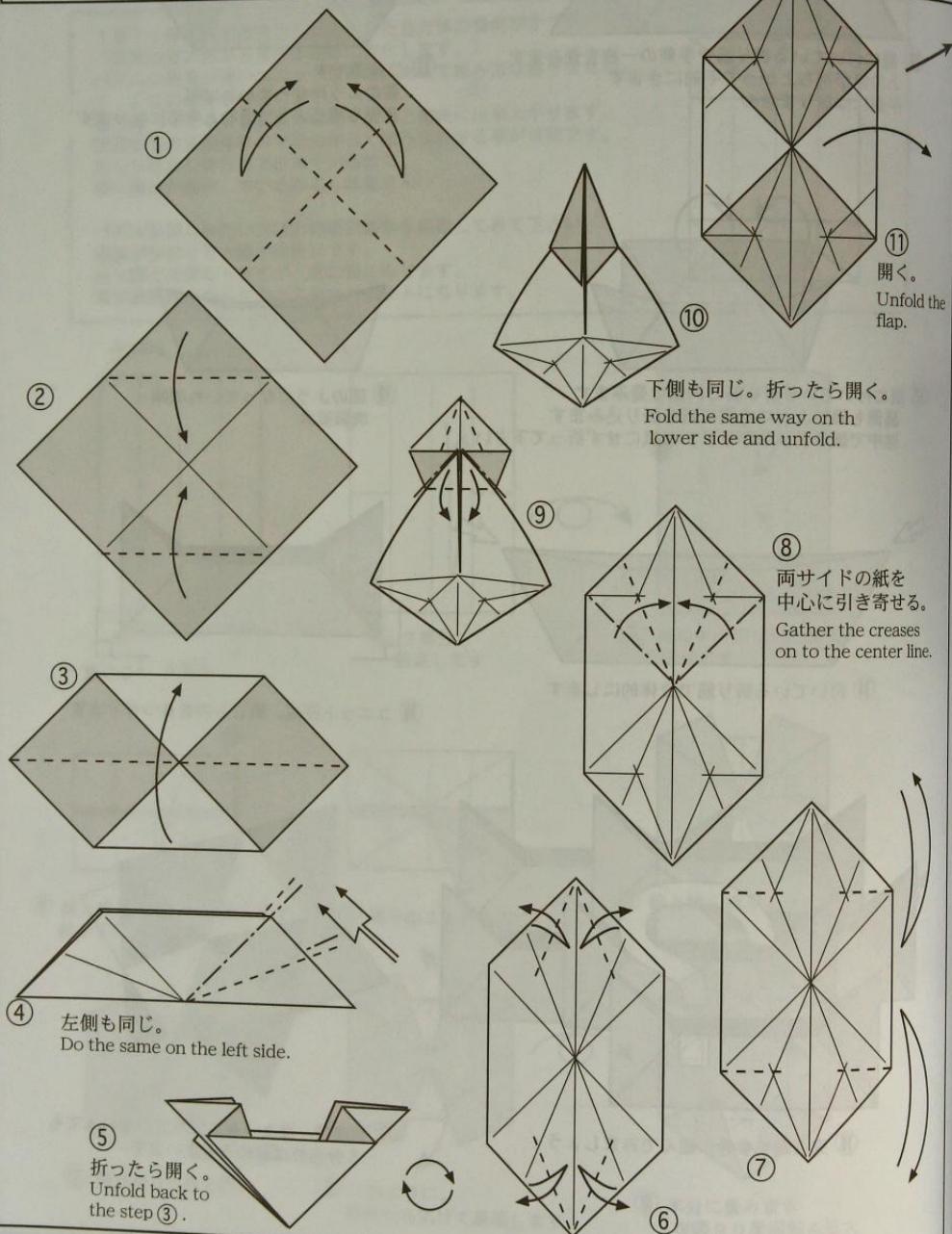
⑰ 完成図 ユニットに慣れていない人でも
5分あれば組めると思います

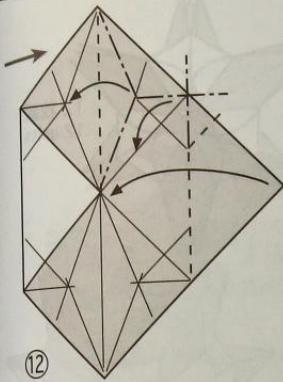
ステラ・コニカ (ニードルズ) /STELLA CONICA NEEDLES

©2006 Miyuki Kawamura
川村みゆき

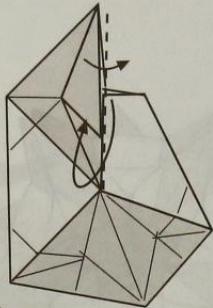
探偵団マガジン 89 号に載った「ステラ・コニカ」の親戚です。

It is a kind of variation of "STELLA CONICA" published on the No.89 Origami Tanteidan Magazine.

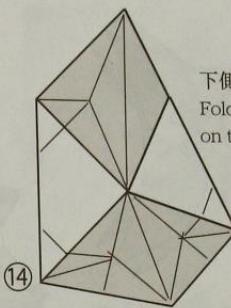




12



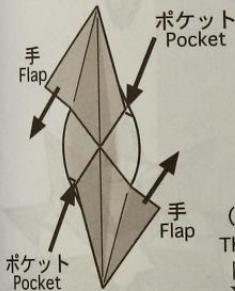
13 差し込む
Tuck the flap



14

下側も同じ。
Fold the same way
on the lower side.

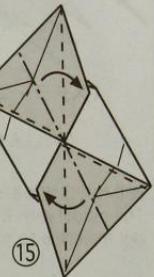
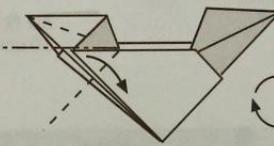
上から見た図
Top view.



「ステラ・コニカ
(ニードルズ)」のユニット
The Stella Conica needles unit
同じものを 12 枚作ります。
You need 12 units.

17

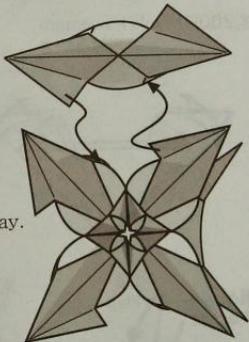
少し開いて立体的にする。
Open a bit. The model
becomes 3-D.



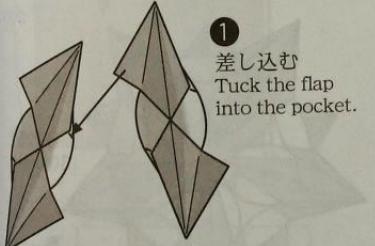
16 裏側も同じ。
Fold the same way
on the other side.

5

残りのユニットも
同様に組んでいく。
Insert the other
modules the same way.

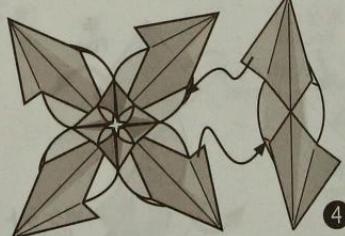


組み方 / Assembly

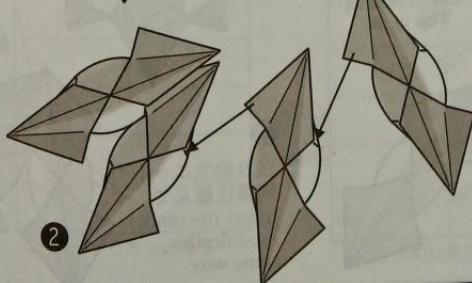


1

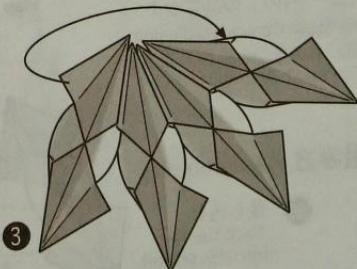
差し込む
Tuck the flap
into the pocket.



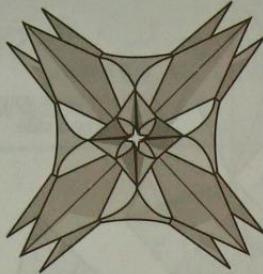
4



2

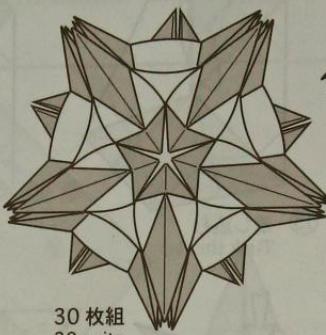


3

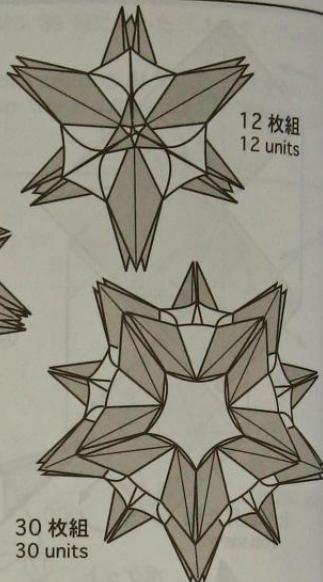


「ステラ・コニカ(ニードルズ)」
12枚組
STELLA CONICA (NEEDLES)
12 units

※6枚では組めません
The model with 6 units
is impossible to make.



30枚組
30 units

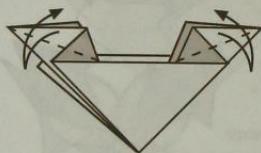


30枚組
30 units

ステラ・コニカ(ニードル) /STELLA CONICA NEEDLE

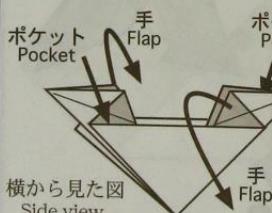
©2006 Miyuki Kawamura
川村みゆき

※6枚、12枚では組めません
The model with 6 or 12
units is impossible to make.



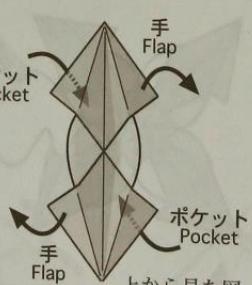
ステラ・コニカ(ニードルズ)
の⑤から。裏も同じ。

Start from the step ⑤ of the
"STELLA CONICA (Needles)".
Fold the same way on the
other side and unfold.



「ステラ・コニカ
(ニードル)」のユニット

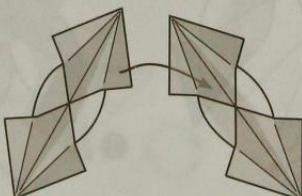
The Stella Conica needle unit
同じものを30枚作ります。
You need 30 units.



上から見た図
Top view.

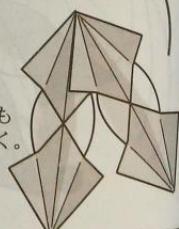
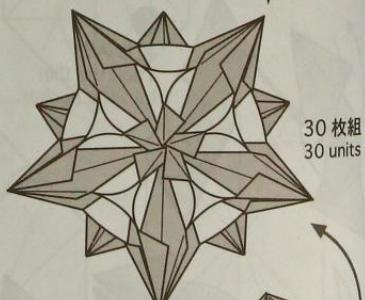
組み方 / Assembly

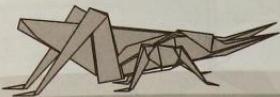
- 1 差し込む
Tuck the flap
into the pocket.



2

残りのユニットも
同様に組んでいく。
Insert the other
modules the
same way.





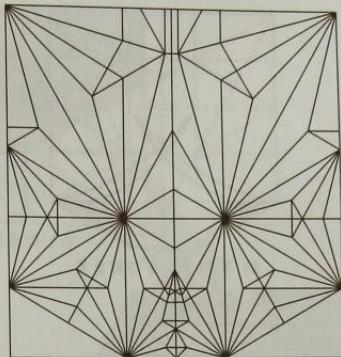
15° ショウウリョウバッタ Longheaded Locust based on 15°

作／図 西川誠司

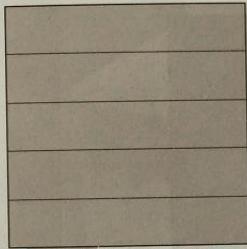
Design & Diagrams by Seiji Nishikawa

Design: 2005. 10.

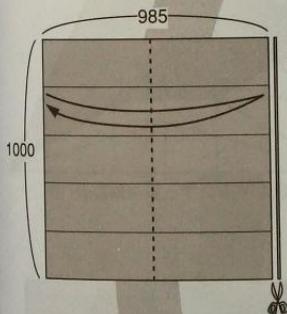
Diagrams: 2006. 07.



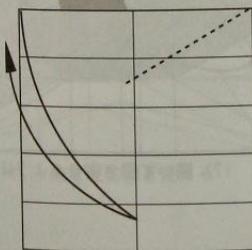
展開図：図 42 付近のもの



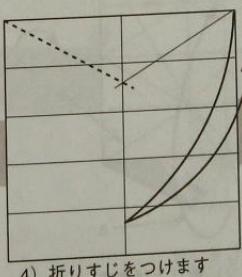
1) 水平に 5 等分します。



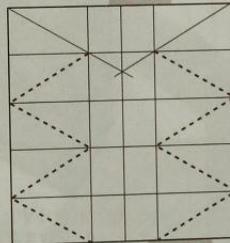
2) 端を僅かにカットします。
(およそ 1.5% 分)



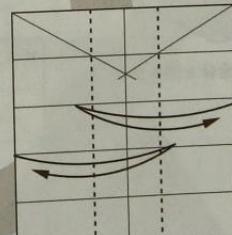
3) 折りすじをつけます



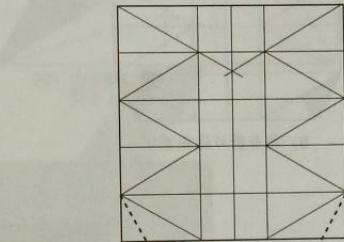
4) 折りすじをつけます



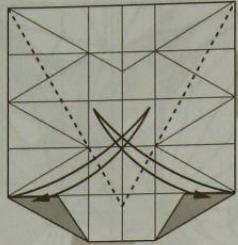
6) 折りすじをつけます



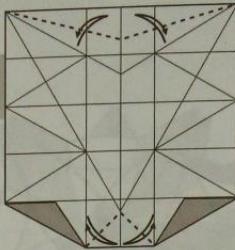
5) 折りすじをつけます



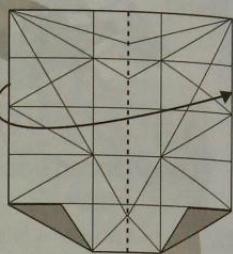
7) 角を折ります



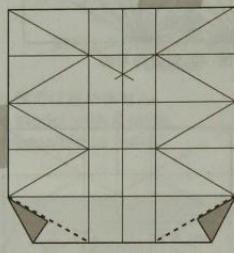
9) 折りすじをつけます



10) 折りすじをつけます



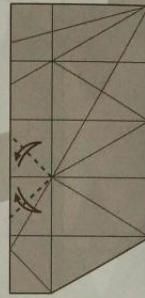
11) 半分に折ります



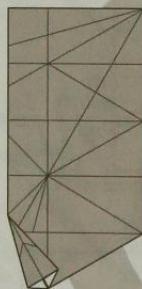
8) 角を折り込みます



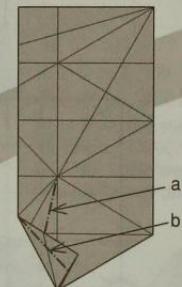
13) 図のように
折り上げます



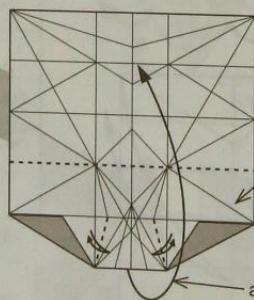
12) 折りすじを
つけます



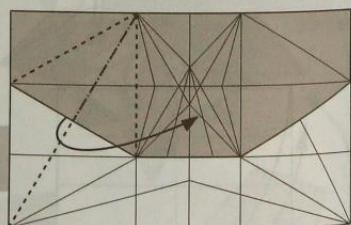
15) 全体を開きます



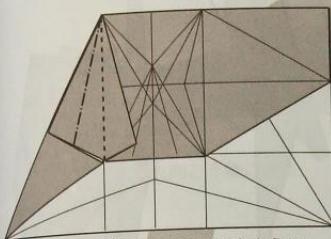
14) a: 折りすじを
つけます
b: つぶすように
折ります



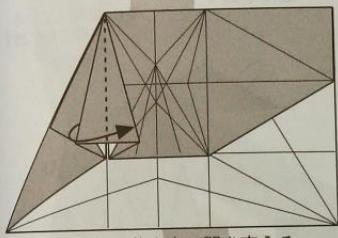
16) a: 折りすじをつけ
b: 図のように折り上げます



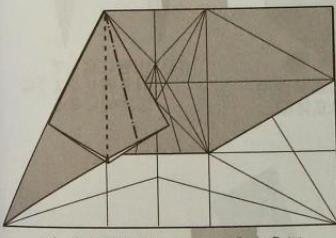
17) 開いて引き寄せるように



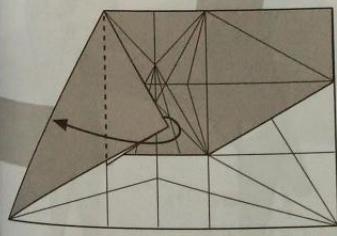
19) 山谷線に従ってつぶすように



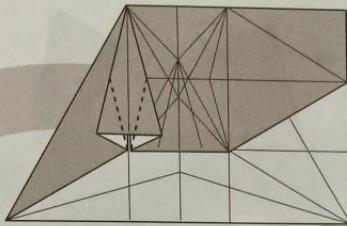
20) 一枚を右に開き変える



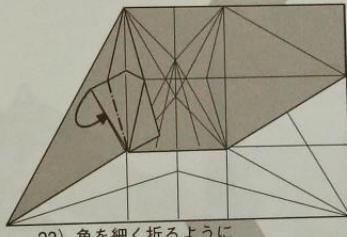
18) 一枚を左に開き変える



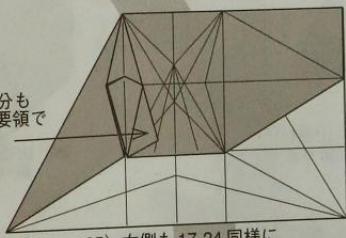
21) 折りすじをつける



22) 山谷線に従って
引き上げるように

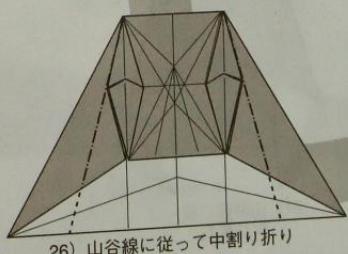


23) 角を細く折るよう
に中割り折り

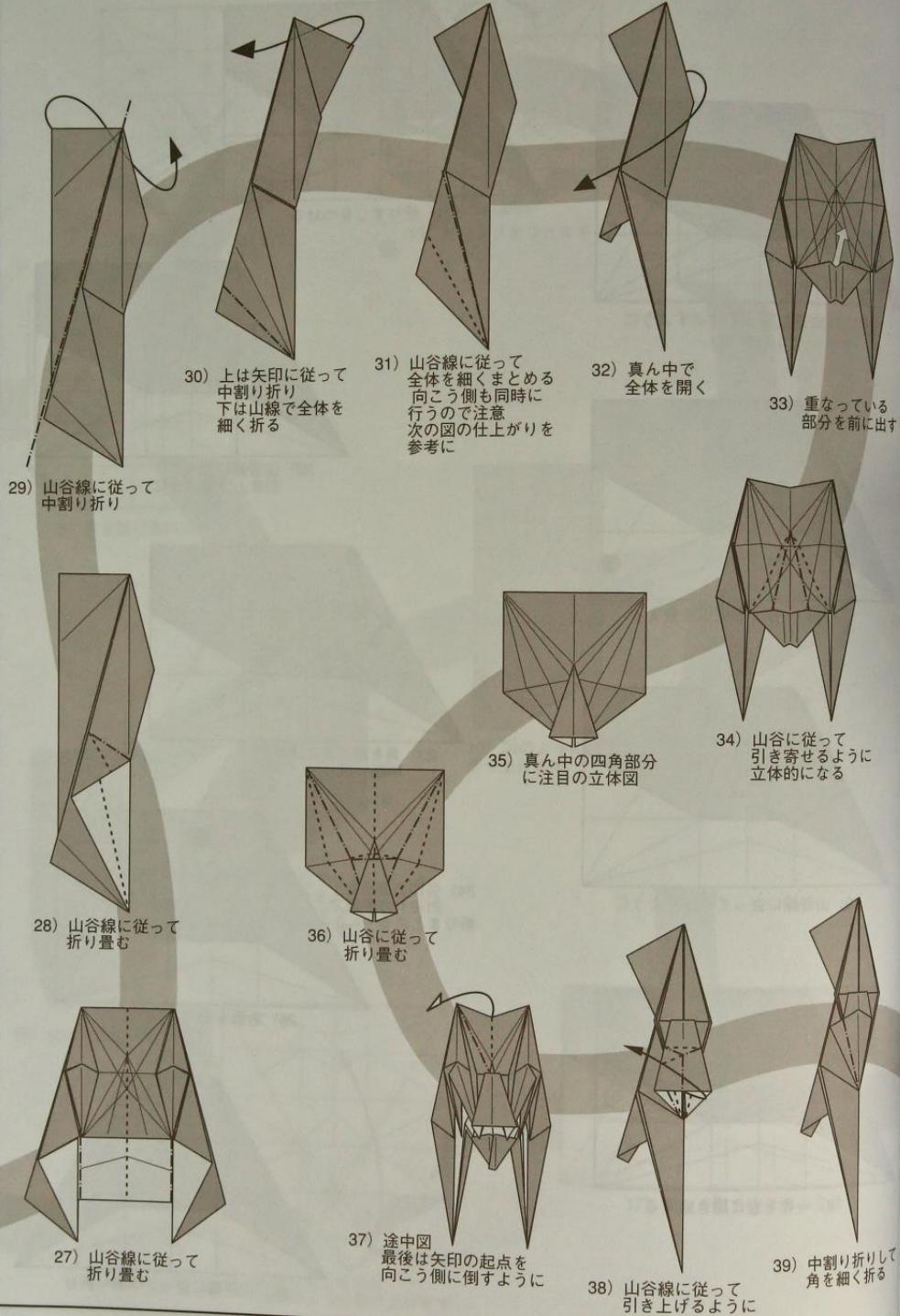


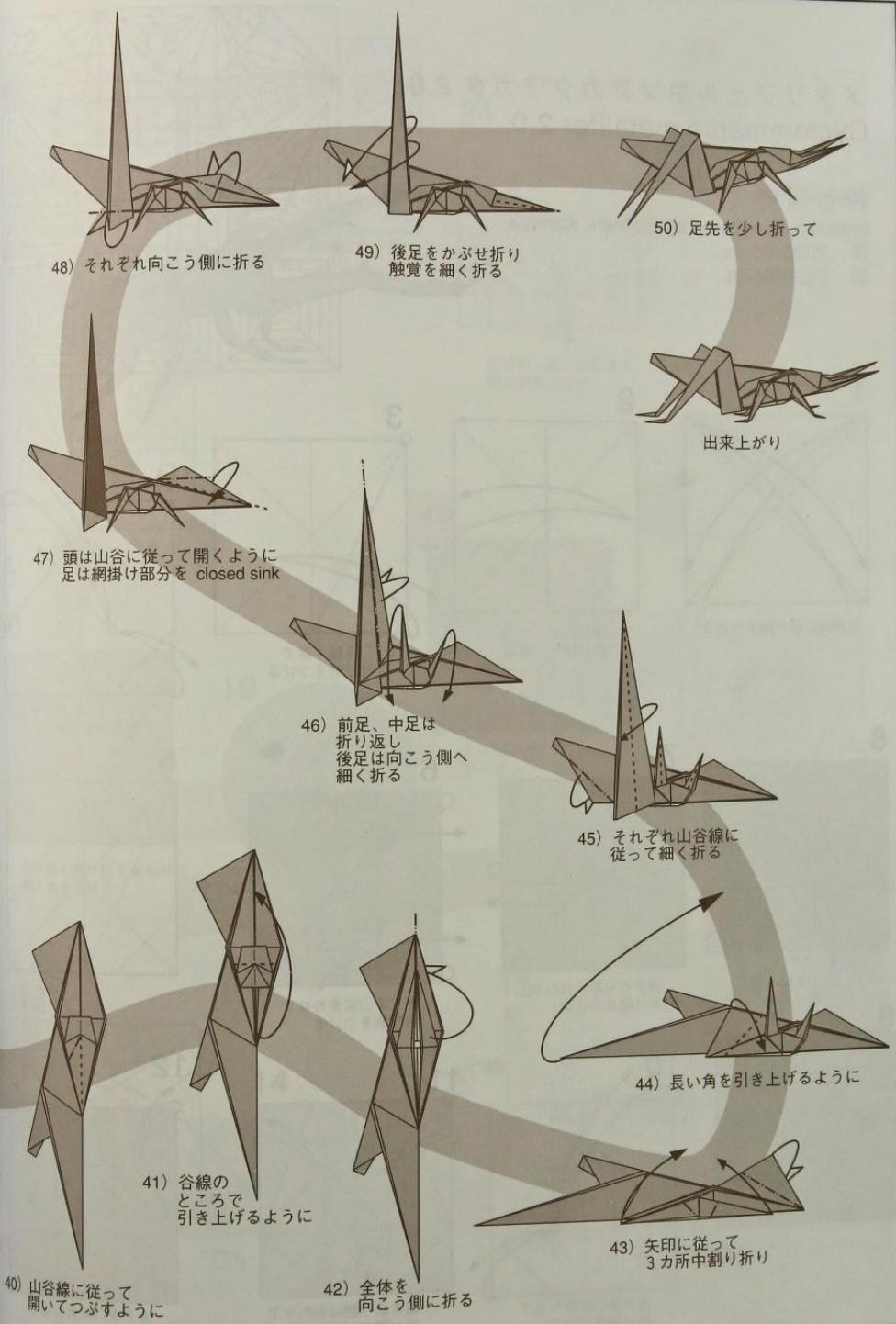
24) 矢印の部分も
21-23 の要領で
折りまとめる

25) 右側も 17-24 同様に



26) 山谷線に従って中割り折り





メタリフェルホソアカクワガタ 2.0 Cyclommatus metalifer 2.0

神谷哲史

Model & Diagrams by Satoshi Kamiya

作 2005/06/xx

図 2006/06/30

1 対角線に折り筋をつける

2 半分に
折り筋をつける

3 ○を結ぶ線で
折り筋をつける

4 カドを○に合わせて
折り筋をつける

5

6

7 線を折り筋に合わせて
折り筋をつける

8

9

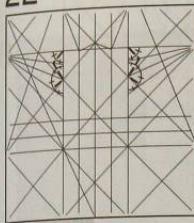
10 カドを○に合わせて
折り筋をつける

11 線を折り筋に合わせて
折り筋をつける

12 カドを○に合わせて
折り筋をつける

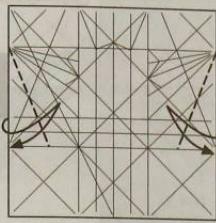
114

22



それぞれ半分の角度で
折り筋をつける

23



縁を折り筋に合わせて
折り筋をつける

21

それぞれ半分の角度で
折り筋をつける

20

折り筋と折り筋をあわせて
折り筋をつける

19

○を結ぶ線で
折り筋をつける
水平な折り筋とは
少しずれる

18

○を結ぶ線で
折り筋をつける

17

折り筋と折り筋をあわせて
折り筋をつける

13

カドを○に合わせて
折り筋をつける

14

○を結ぶ線で
折り筋をつける

15

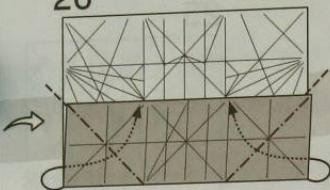
折り筋と折り筋をあわせて
折り筋をつける

25

縁をついている
折り筋で折る

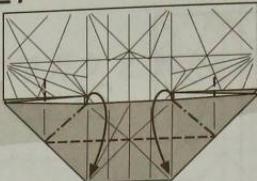
115

26



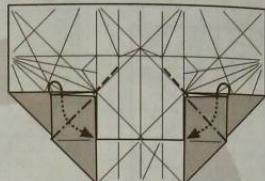
中割り折り

27



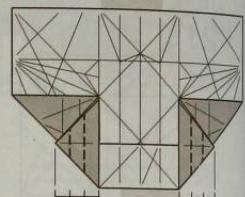
縁と縁を合わせて
起き上がってきた部分を
つぶすように折る

28



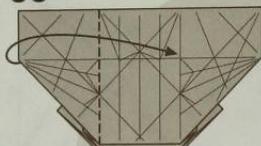
中割り折り

29



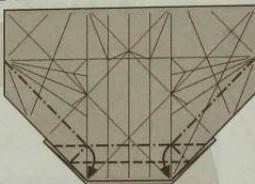
1/3 の幅で折り筋をつける

33



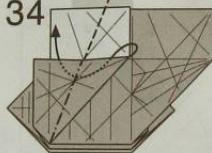
カドを反対側に折る

32



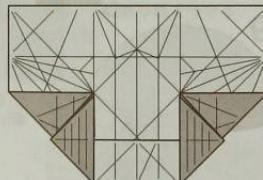
ついている折り筋を使って
中心の部分を持ち上げて
折り畳む

34

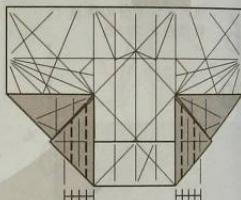


中割り折り

31

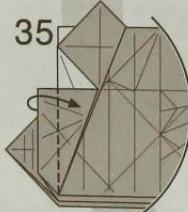


30



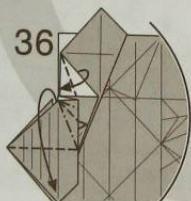
半分の幅で折り筋をつける

35



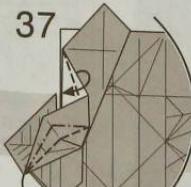
縁を反対側に折る

36



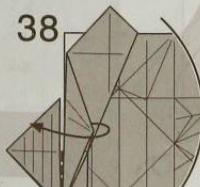
カドとカドを合わせて
起き上がってきた部分を
ついている折り筋を使って
折り畳む

37



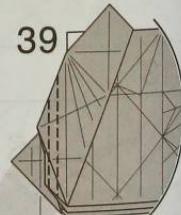
途中の図

38

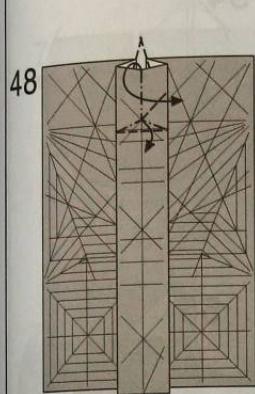


カドを反対側に折る

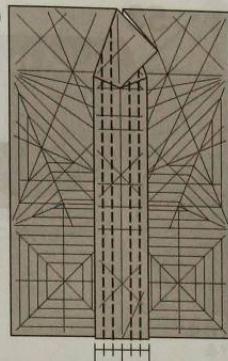
39



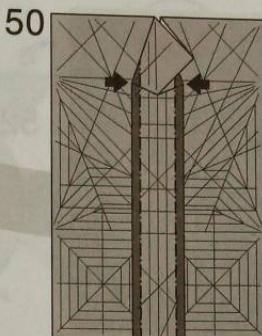
30 でつけた折り筋と
同じ幅で折り筋をつける



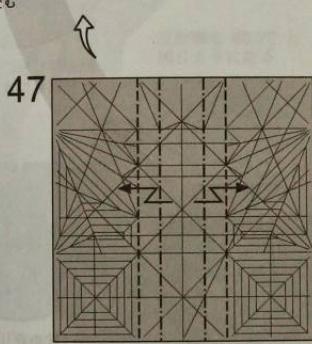
ついている折り筋で
中心線をつまむようにして
折り骨む



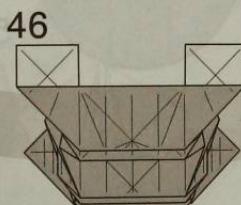
1/3 の幅で
折り筋をつける



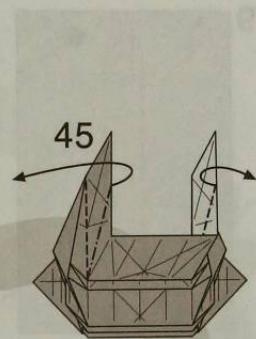
沈め折り
(Open sink)



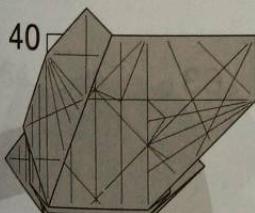
ついている折り筋で
段折り



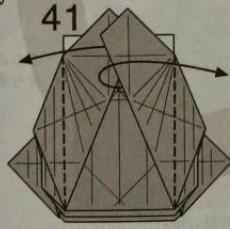
全部広げる



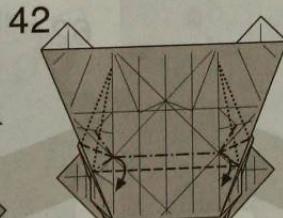
途中の図



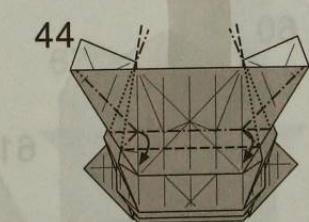
反対側も 33-39 と同じように折る



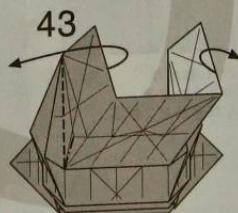
カドを反対側に折る



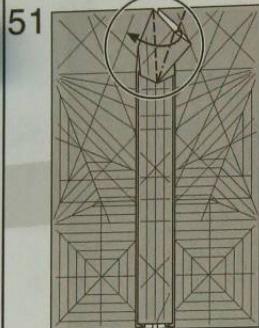
ついている折り筋を使って
中心の部分を持ち上げて
折り畳む



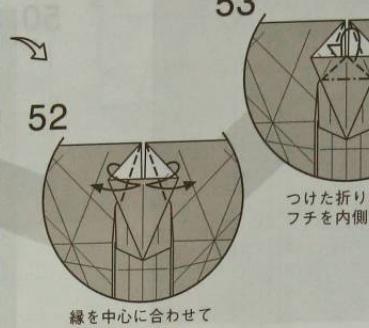
ついている折り筋を使って
中心の部分を持ち上げて
折り畳む



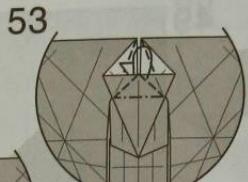
迷宮の図



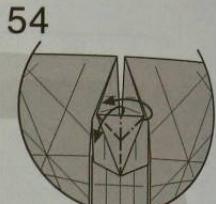
内側を広げて
つぶすように折る



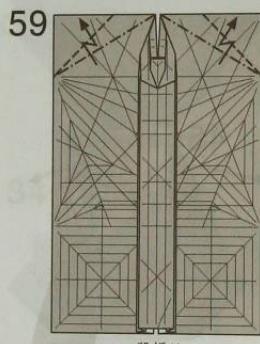
縁を中心に合わせて
折り筋をつける



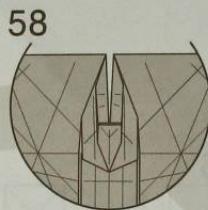
つけた折り筋を使って
フチを内側に折り込む



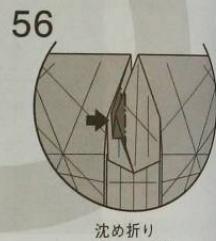
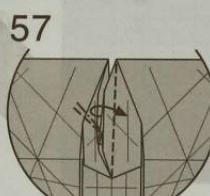
縁を中割り折り
するようにしながら
半分に折る



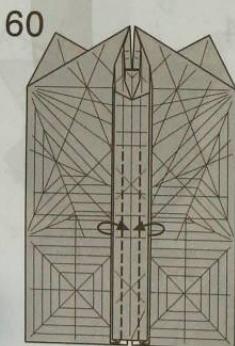
段折り



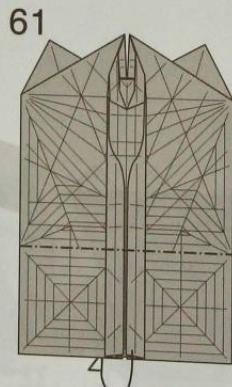
縁を折り筋に合わせて
折り筋をつける



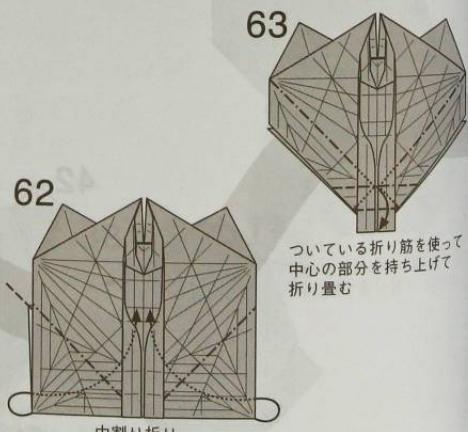
沈め折り
(Open sink)



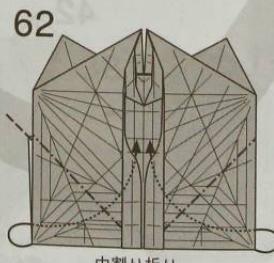
上の1枚だけ
半分くらいまで
中心に合わせて折る



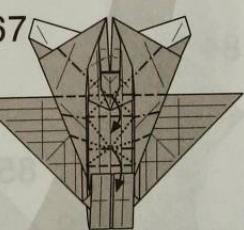
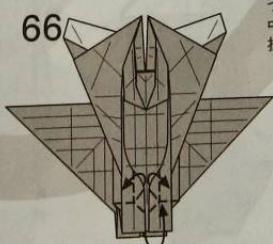
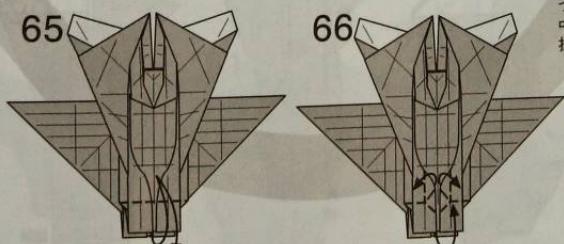
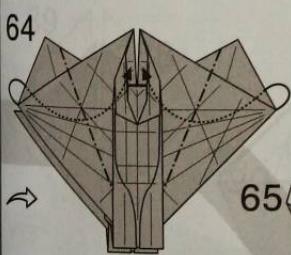
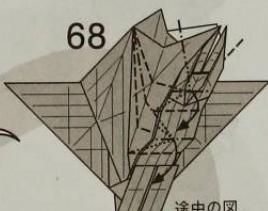
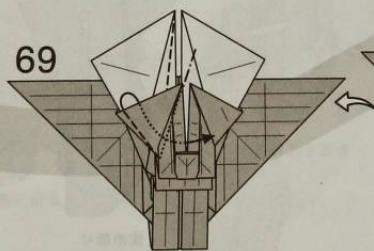
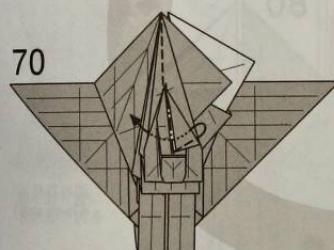
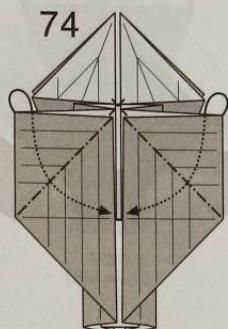
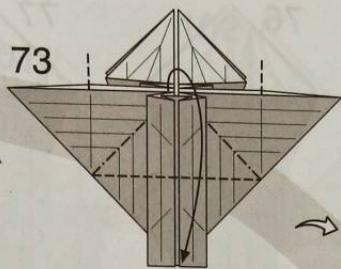
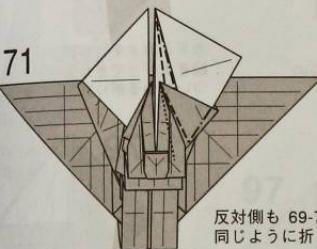
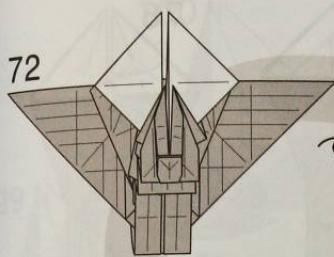
縁を後ろへ折る

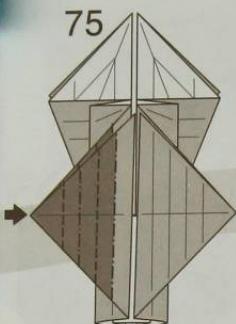


ついている折り筋を使って
中心の部分を持ち上げて
折り畳む

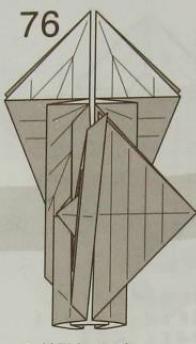


中割り折り

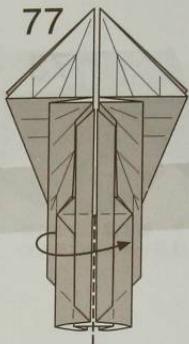




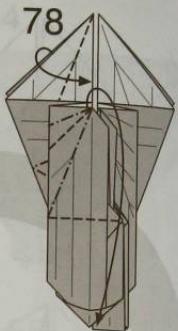
沈め折り
(Open sink)



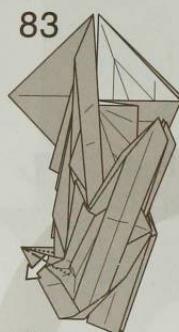
反対側も 75 と
同じように折る



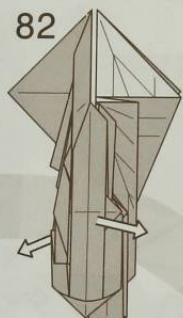
沈め折りした部分の
次の隙間を開く



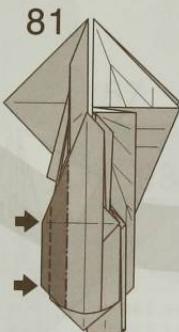
カドとカドを合わせて
起き上がってきた部分を
ついている折り筋で折り畳む



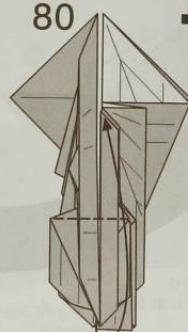
内側のカドを引き出す



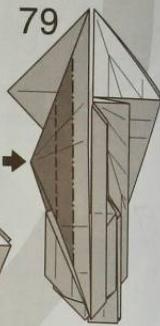
かるく広げる



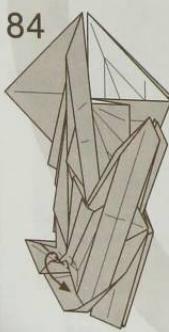
沈め折り
(Open sink)



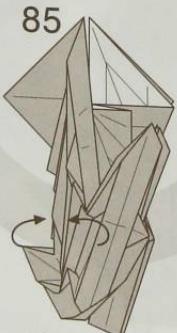
カドを上に折る



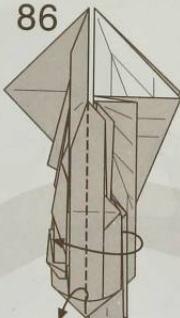
沈め折り
(Open sink)



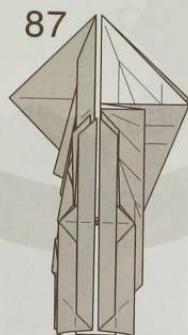
たるんでいるヒダを
下に折る



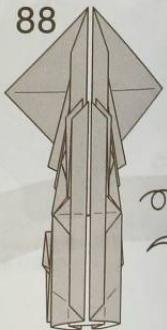
平らに折り畳む

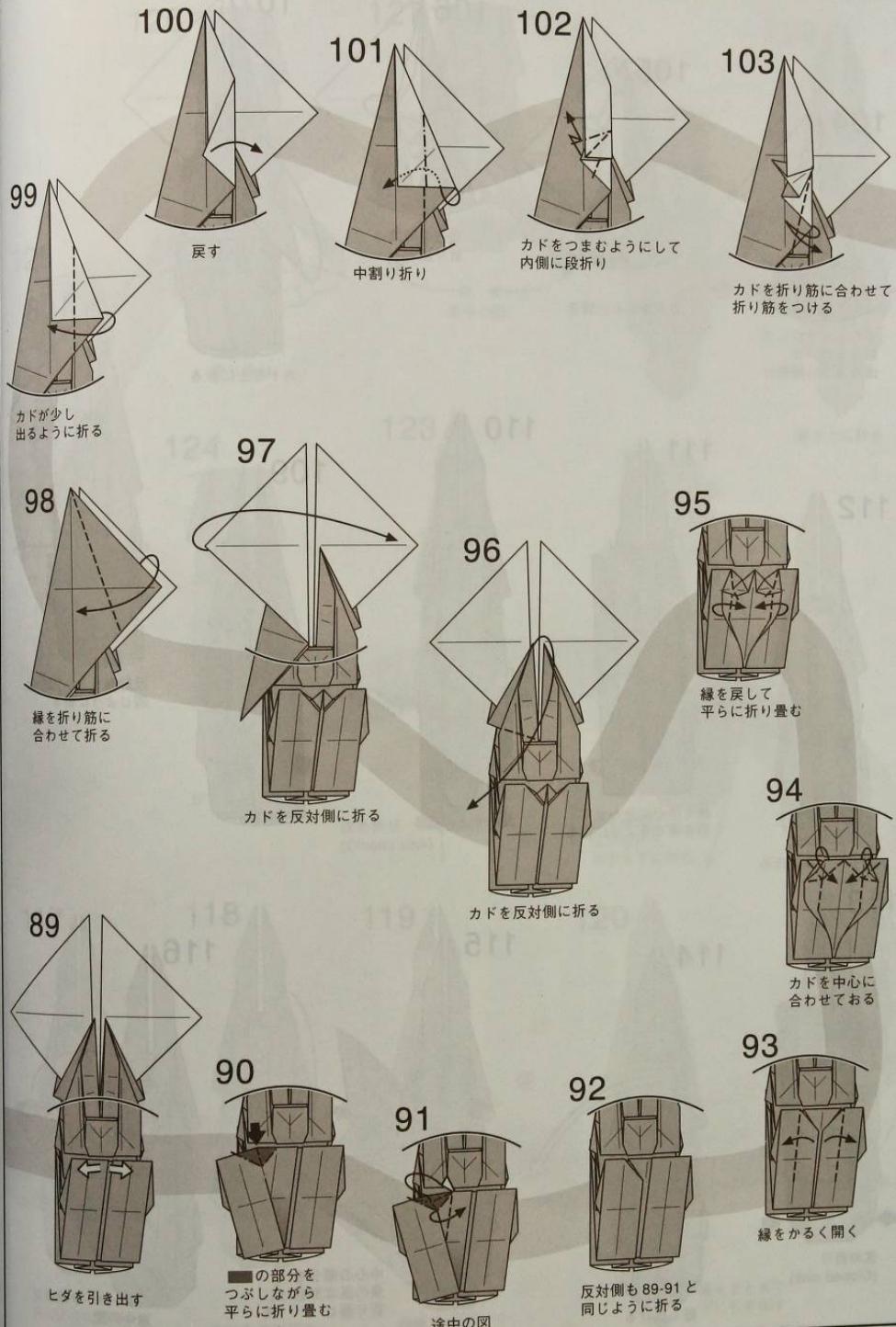


閉じる

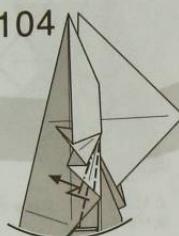


反対側も 77-86 と
同じように折る



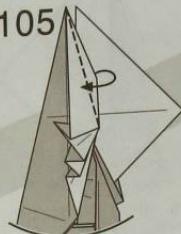


104



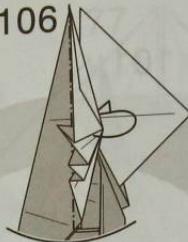
ざらすようにして
折ったカドが
出るように段折り

105



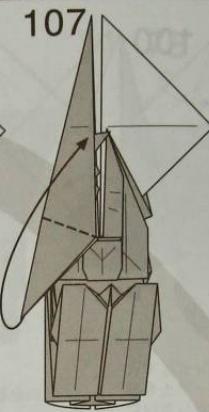
カドを斜めに折る

106



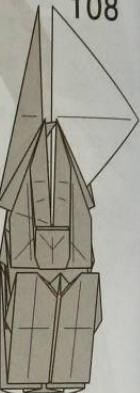
後ろの隙間へ
折り込む

107



カドを上に折る

108



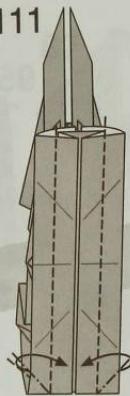
反対側も 96-107 と
同じように折る

112



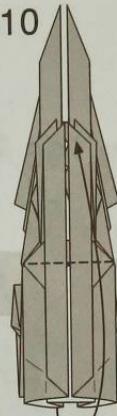
縁を反対側に折る

111



縁を中心に行わせて
引き寄せるように折る

110

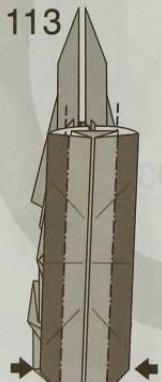


カドを上に折る

109

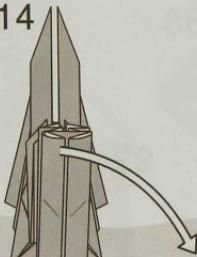


113



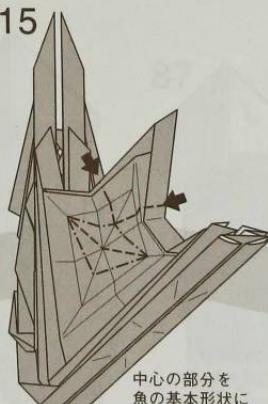
沈め折り
(Closed sink)

114



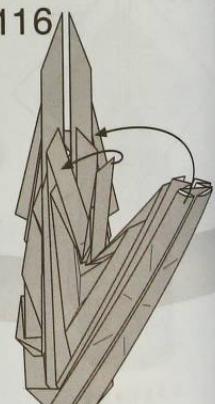
軽く広げる

115

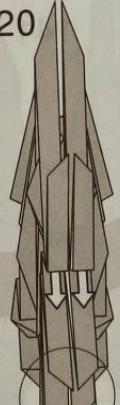
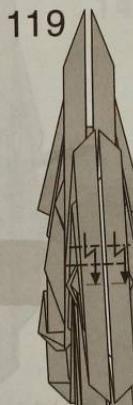
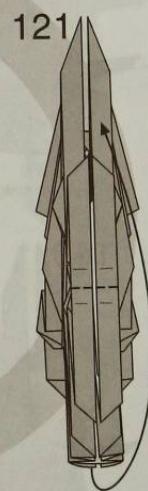
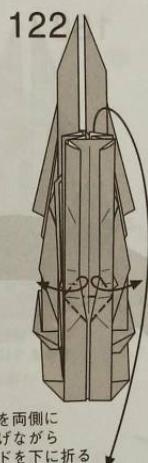
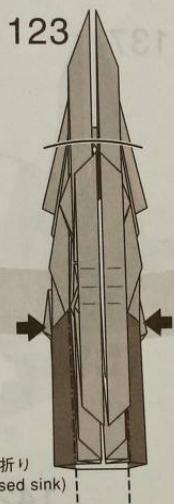
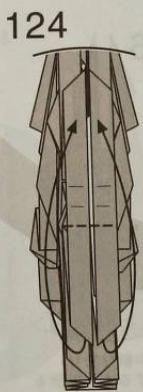
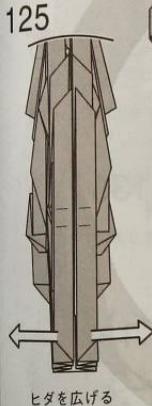
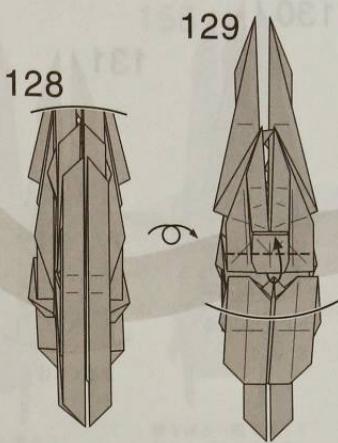
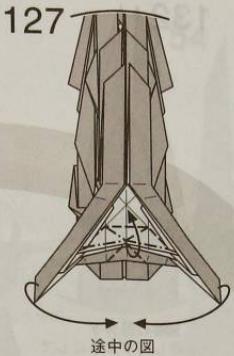
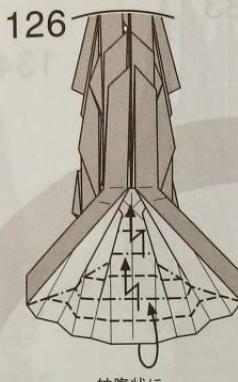


中心の部分を
魚の基本形状に
折り畳む

116



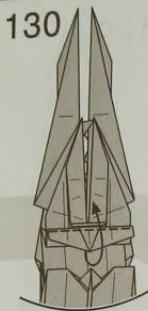
途中の図



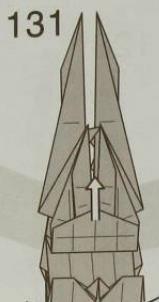
反対側も 114-116 と
同じように折る

カドを下に折る

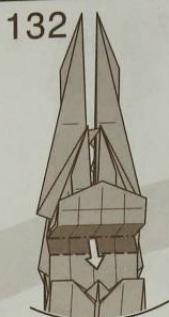
カドをまとめて
下に引き出す



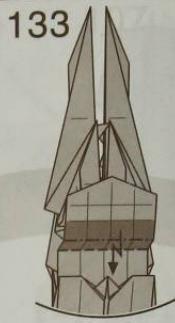
カドを上に折る



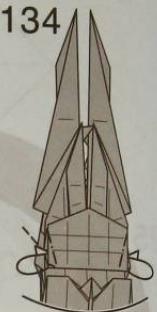
かるく広げる



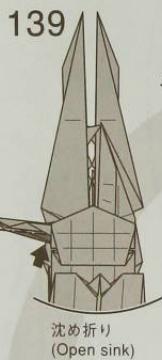
■の部分を
押し出すようにして
段折りするように
折り畳む



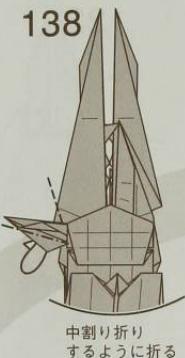
途中の図



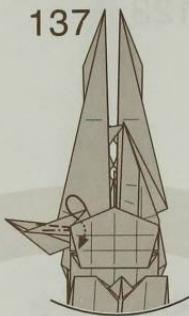
カドを内側へ折り込む



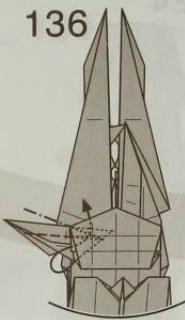
沈め折り
(Open sink)



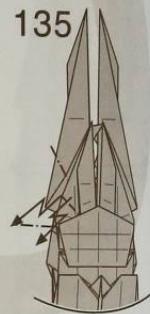
中割り折り
するように折る



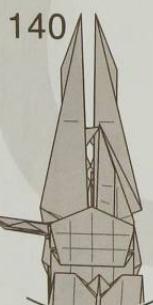
中割り折り
するように折る



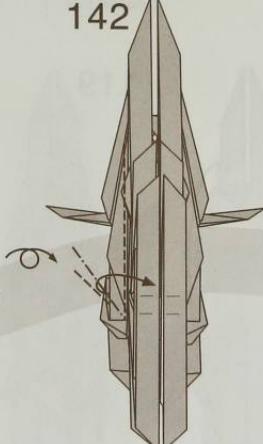
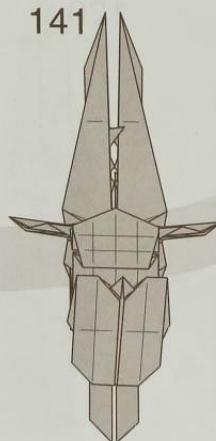
中割り折り
するように折る



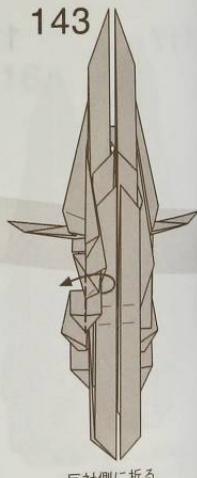
両側で段折り



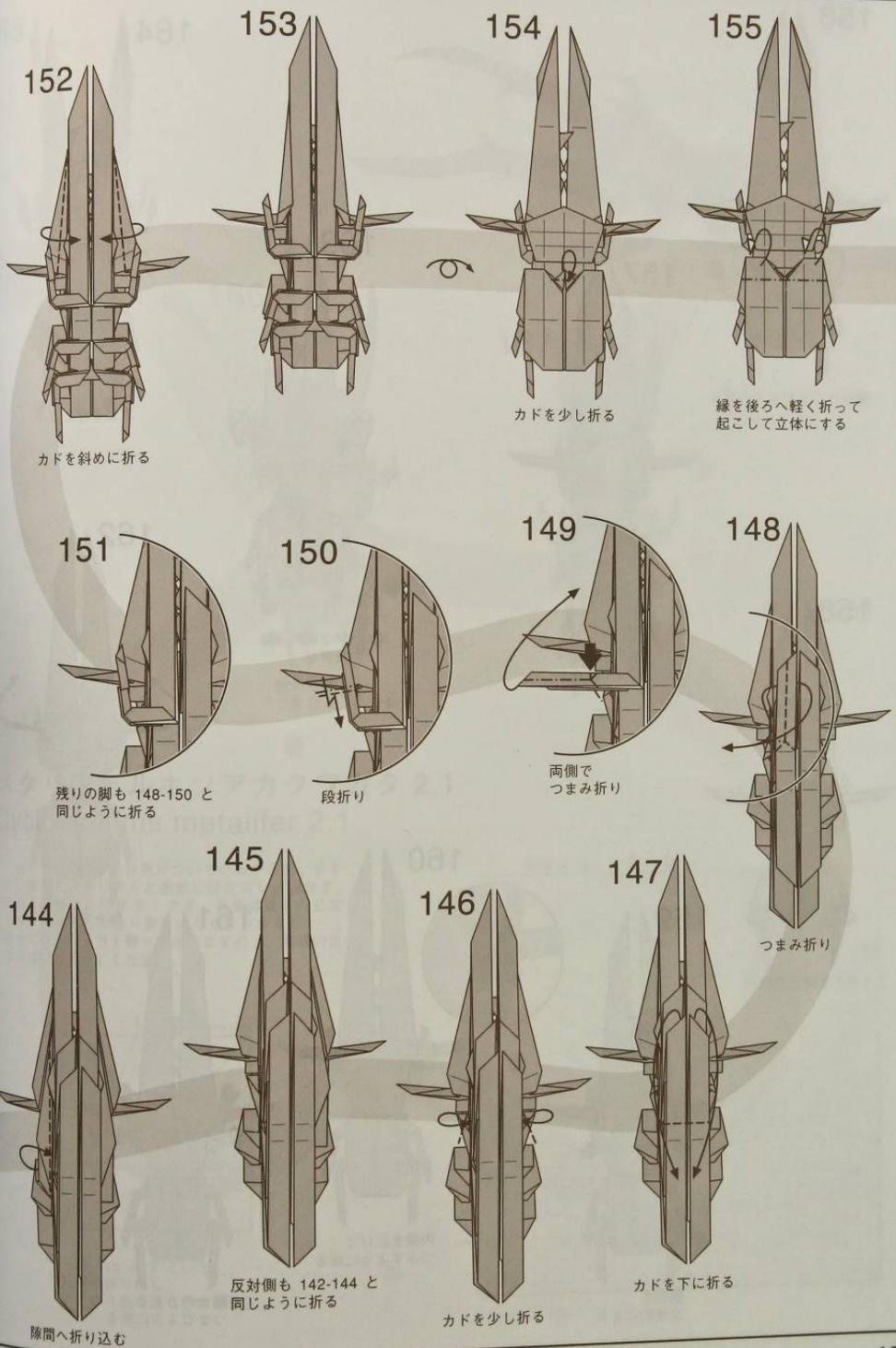
反対側も 135-139 と
同じように折る



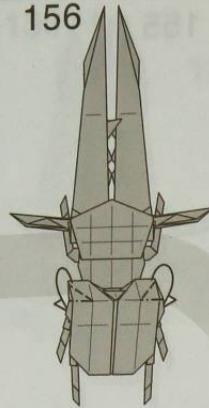
縁のところで折って
起き上がってきた部分をつ
ぶすように折る



反対側に折る

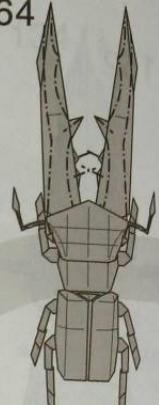


156



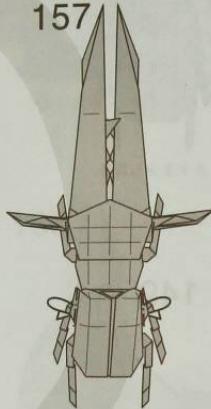
後ろへつまむように折る

164



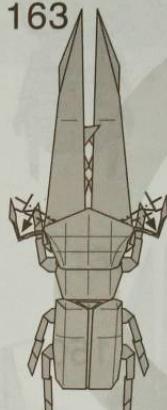
アゴを仕上げる

157



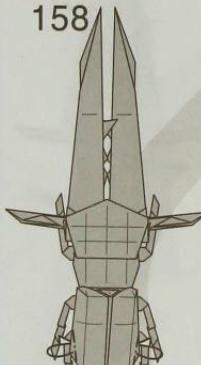
カドを後ろへ
折って留める

163



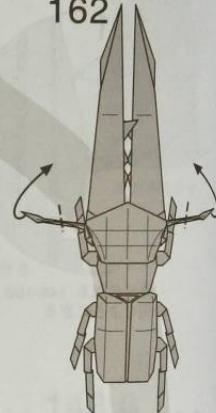
アゴのカドを
段折り

158



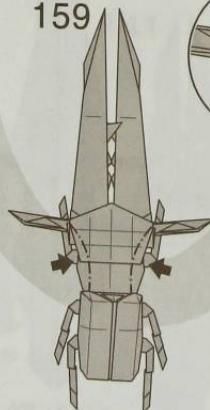
カドを後ろへ折る

162



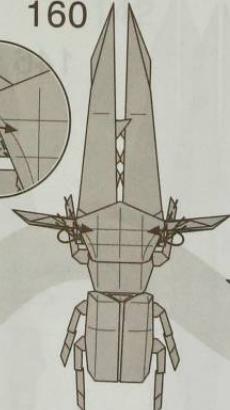
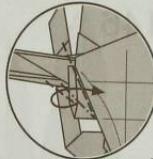
触角を上に折る

159



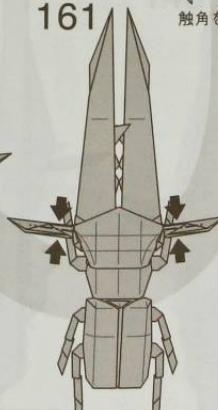
胸部を
立体的にする

160

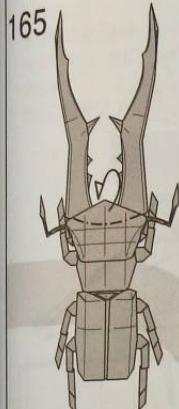


内側を広げて
つぶすように折る

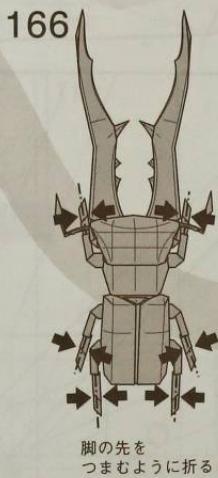
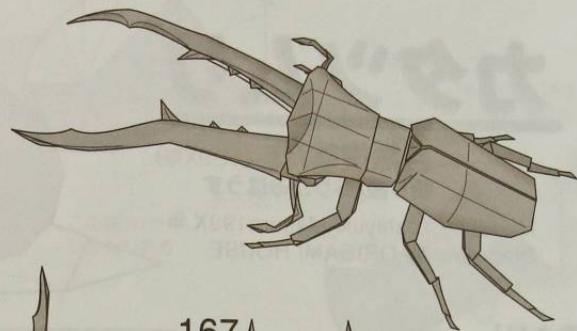
161



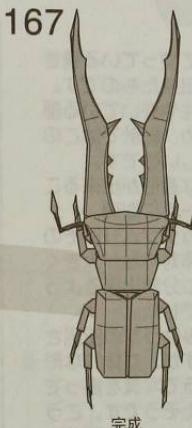
触角のカドを
つまむように折る



後ろへ軽く折る



脚の先を
つまむように折る

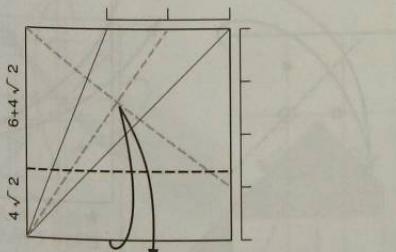


完成

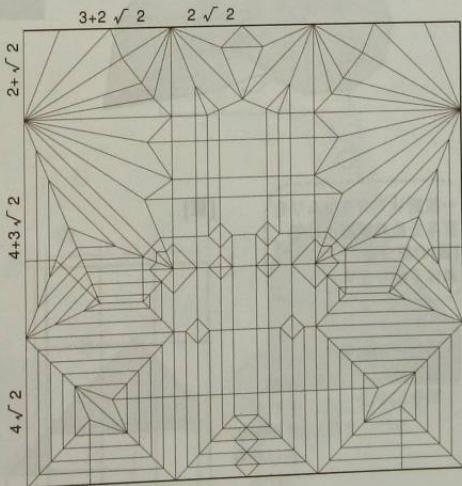
メタリフェルホソアカクワガタ 2.1

Cyclommatus metalifer 2.1

さて、気になる人は気がついているかと思いますが、実はこの折り方だと頭部に妙なズレが出来ます。これを調整したのが 2.1 です。外見はほとんど変わらないうえにかなり折りにくくなります……。参考に折り出し方を載せておきますので、興味のある方は試してみてください。



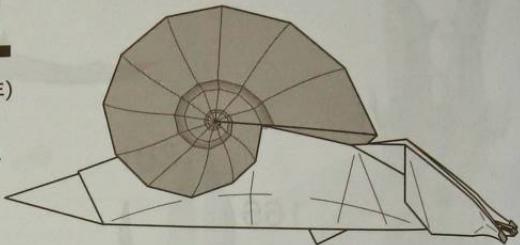
一边 $4+8\sqrt{2}$ という
比率の折り出し。
3 という数の出し方に注目。



カタツムリ

目黒俊幸/作（199X年）
折り図/おりがみはうす

Model by Toshiyuki Meguro 199X year
Diagrams by ORIGAMI HOUSE

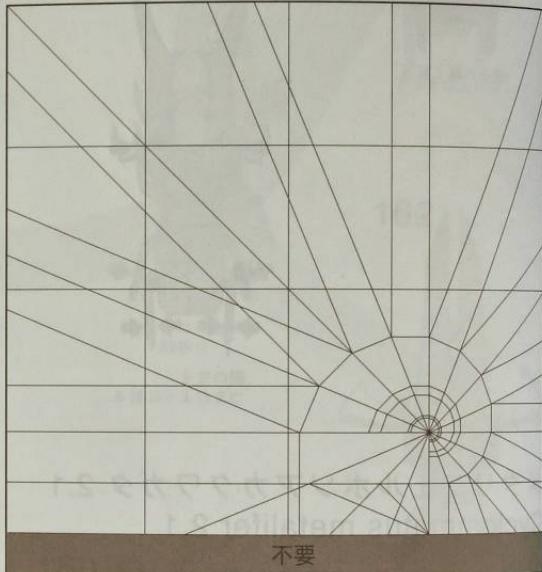
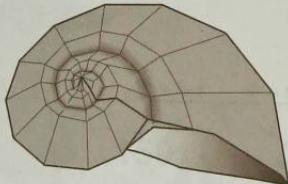


【巻き貝】

カタツムリの一部として使っている巻き貝は適当に折っていたら出来たものです。立体的な形や左右非対称性や巻いている部分の見立てなどがあるため、設計ではこのような形を得ることは難しいのです。

しかし一たび、この様な造形が出来ることが解るとそれを設計の一部に取入れて展わせるのは容易です。カタツムリはその様にして作ったのですが非対称性が大きくて一値分子としてきれいに分解出来るような設計図には出来ませんでした。

なお、この図はおりがみはうすの田尻さんに描いてもらつたのですが、立体的な形を描くのにデジタルカメラで写真を撮ってパソコン上で上書きされたそうです。こういう事って現代的ですよねー。（1998年5月現在）

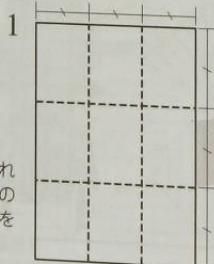


一枚折りでカタツムリを
折るための練習として
[貝]の部分を
単体で折ります

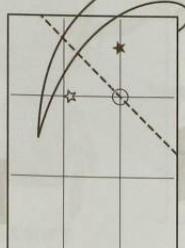
コピー用紙等の
長方形の
紙をつかう

縦横
それぞれ
3等分の
折り筋を
つける

[貝]

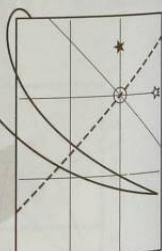


2



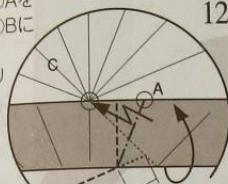
★と☆の折り筋を
合わせて折り筋を
つける

3



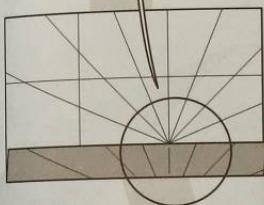
★と☆の折り筋を
合わせて折り筋を
つける

ついている
折り筋の線OAを
交点の中心OBに
合わせて
斜めに段折り



12

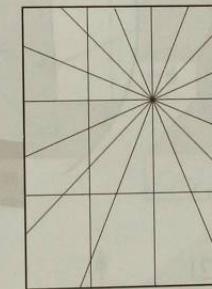
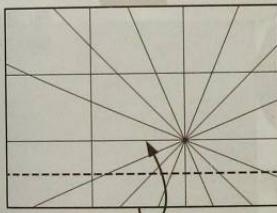
引き連れてきた部分は
Cの折り筋のところまで
つぶすように折る



11

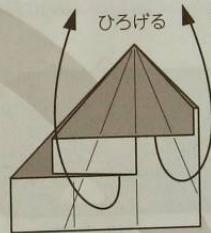
折り筋に
合わせて折る

10

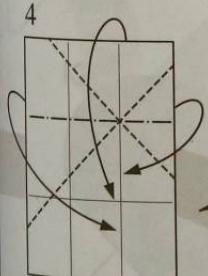


9

ひろげる

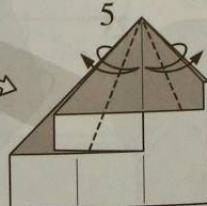


8



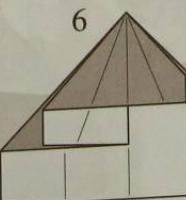
4

つけた折り筋で
折りまとめる

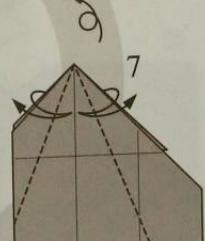


5

折り筋に合わせて
折り筋をつける

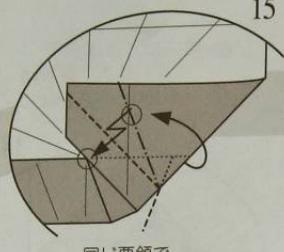


6

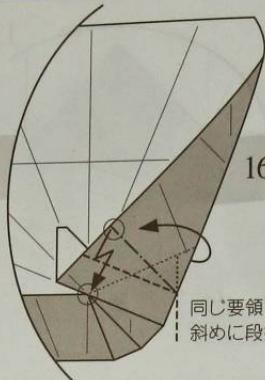


7

折り筋に合わせて
折り筋をつける

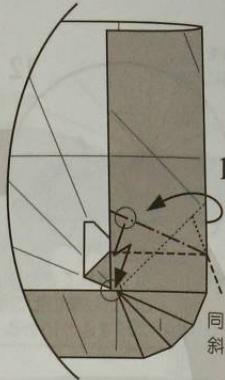


同じ要領で
斜めに段折り



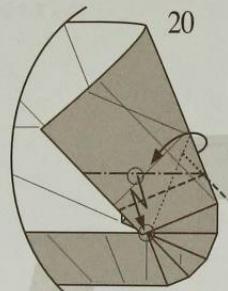
16

同じ要領で
斜めに段折り



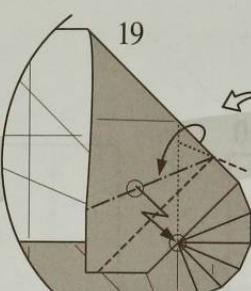
17

同じ要領で
斜めに段折り



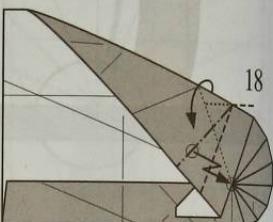
20

同じ要領で
斜めに段折り



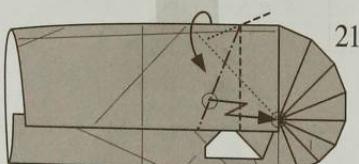
19

同じ要領で
斜めに段折り



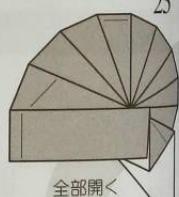
18

同じ要領で
斜めに段折り



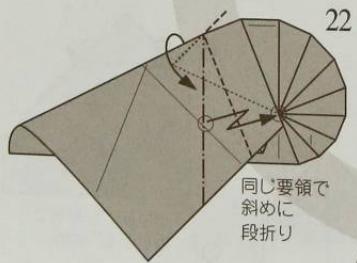
21

同じ要領で
斜めに段折り



25

全部開く



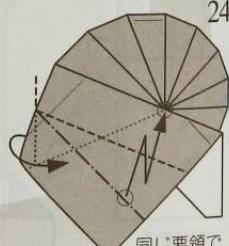
22

同じ要領で
斜めに
段折り



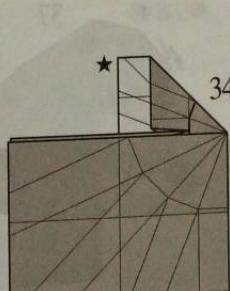
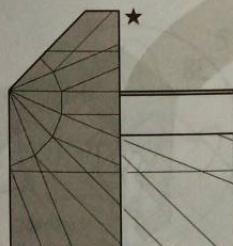
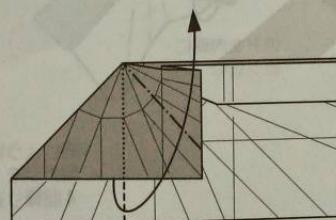
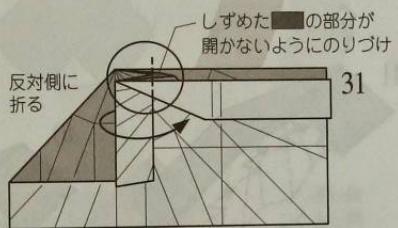
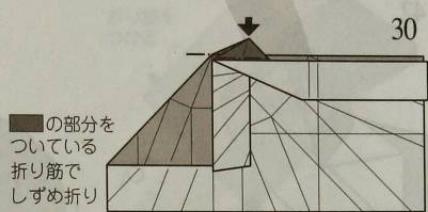
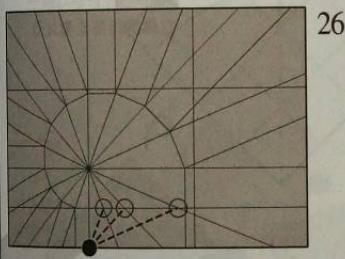
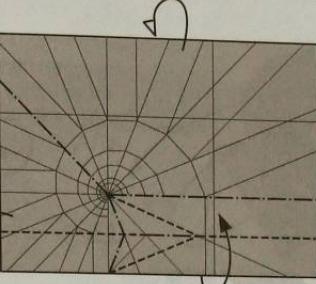
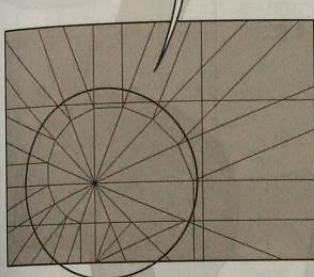
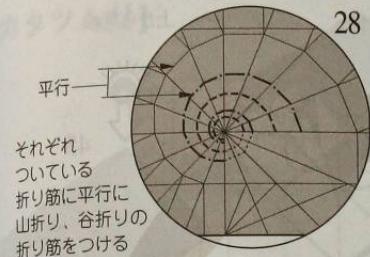
23

同じ要領で
斜めに段折り

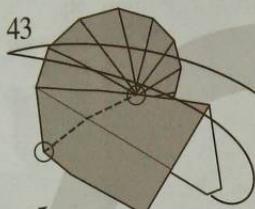


24

同じ要領で
斜めに段折り

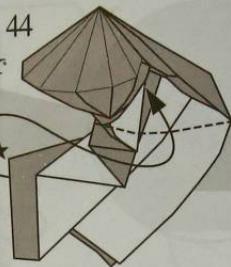


上から見る

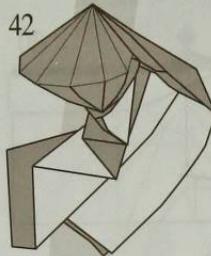
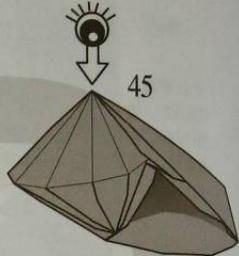


○と○を結ぶ線で
折り筋をつける

つけた折り筋で
★のカドから
内側に全部
折り込む



45



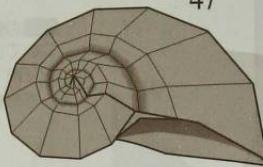
残りも
同じように
段折り

40



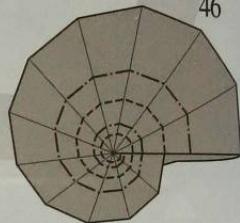
カドを内側に
折り込む

47



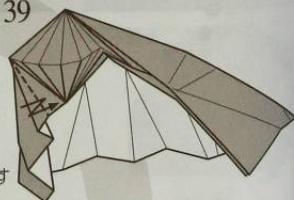
できあがり

46

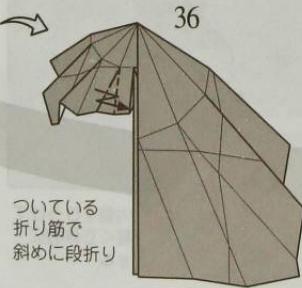


26でつけた折り筋で
立体的に形を整える

39



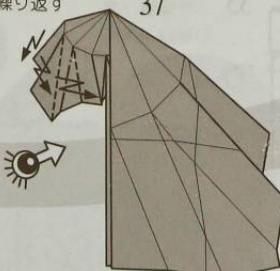
同じように
段折りを
4回繰り返す



ついている
折り筋で
斜めに段折り

同じように
3回段折りを
繰り返す

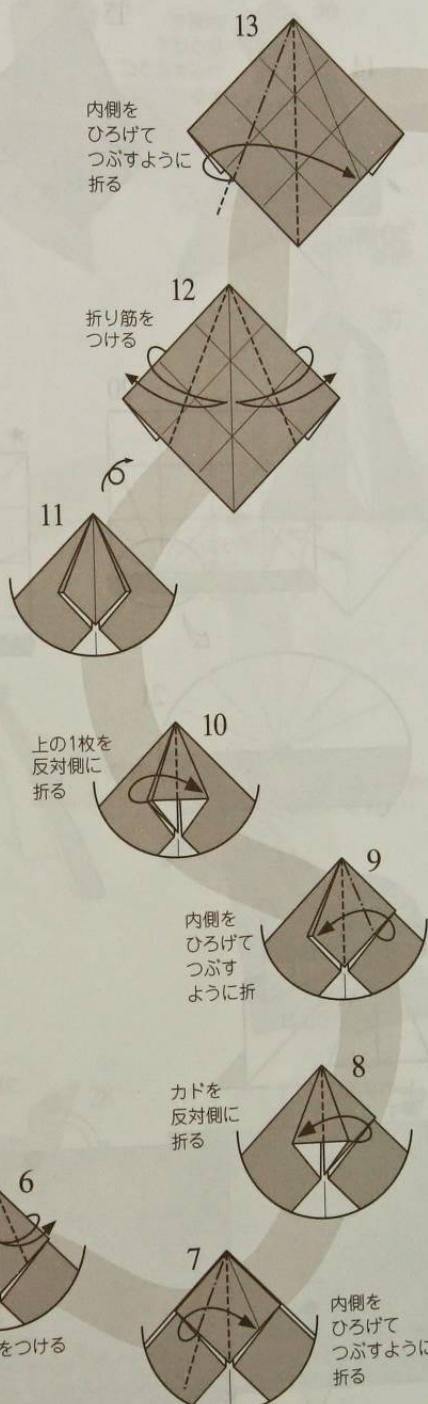
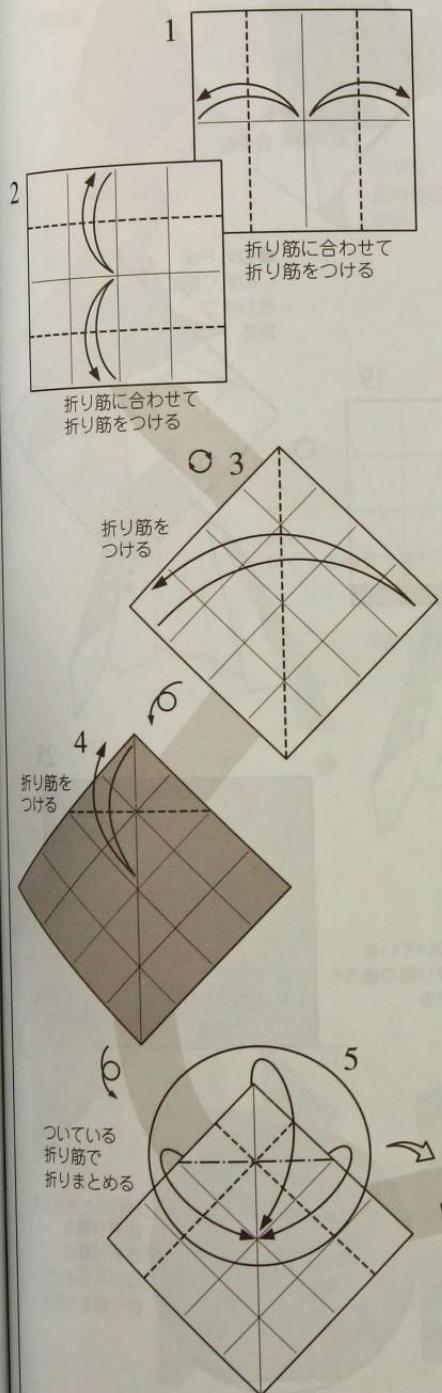
37



38

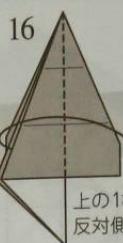
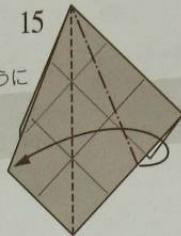
カドを内側に
折り込む

[カタツムリ]

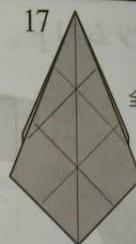




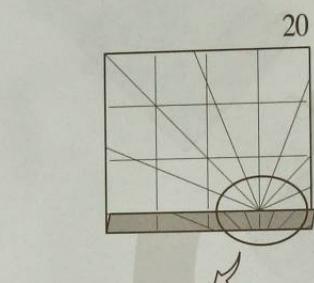
内側を
ひろげて
つぶすように
折る



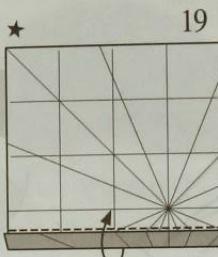
上の1枚を
反対側に折る



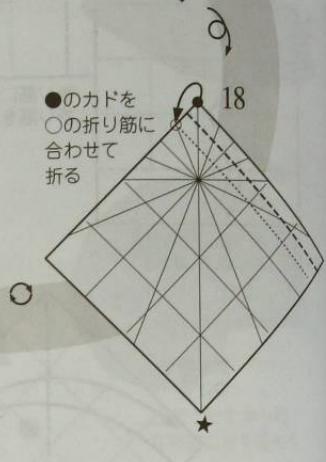
全部開く



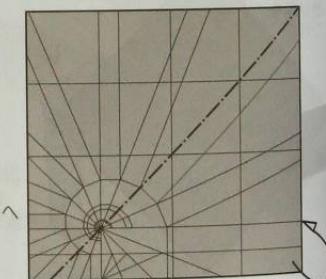
20



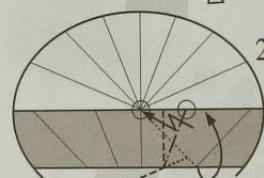
19



18

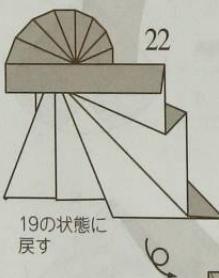


25



21

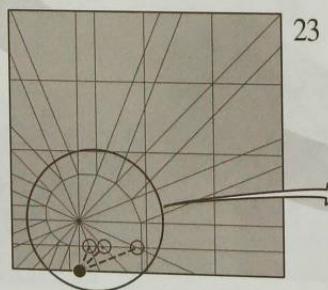
[貝]の11~22と
同じように折る



22

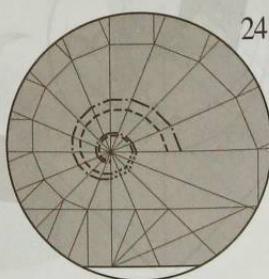
19の状態に
戻す

ついている
折り筋で後ろへ
折る



23

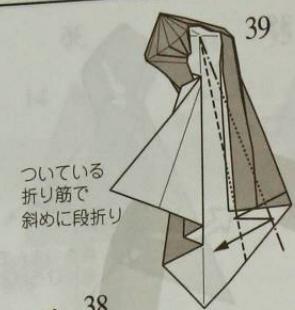
●と○を
結ぶ線で
折り筋を
つける



24

[貝]のときよりも
山折り線を
谷折り線に
近づけるように
折り筋をつける





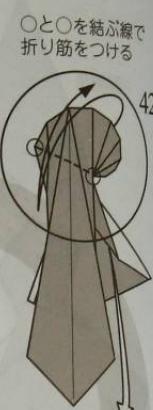
39



40



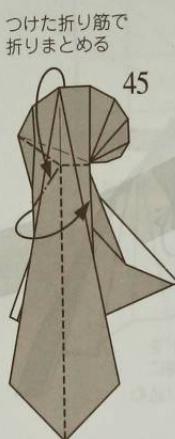
41



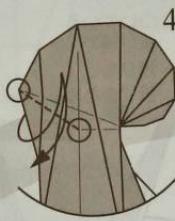
42



38



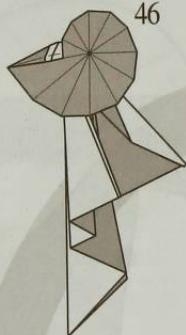
45



44



43



46



47



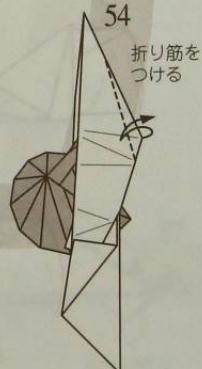
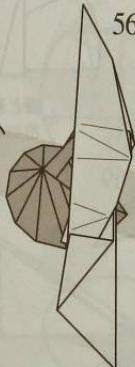
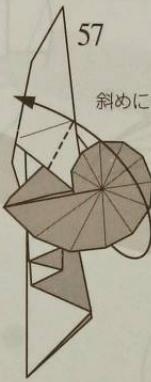
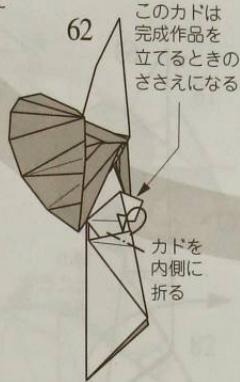
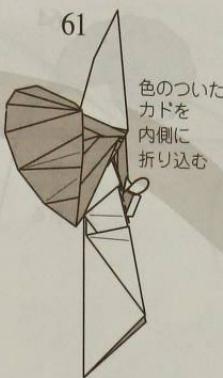
48

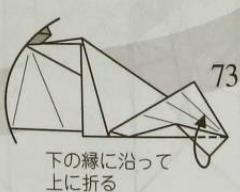
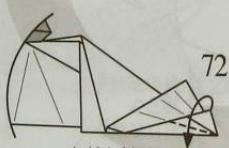
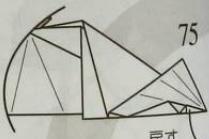
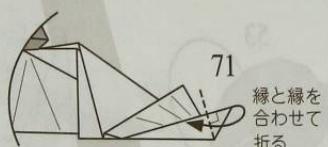
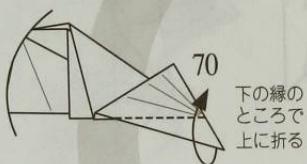
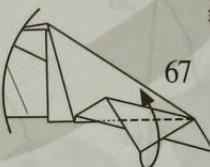
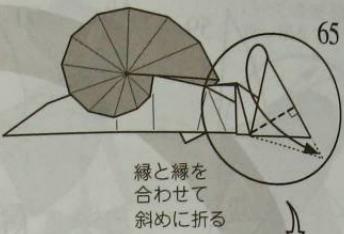
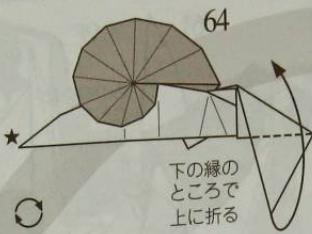


49

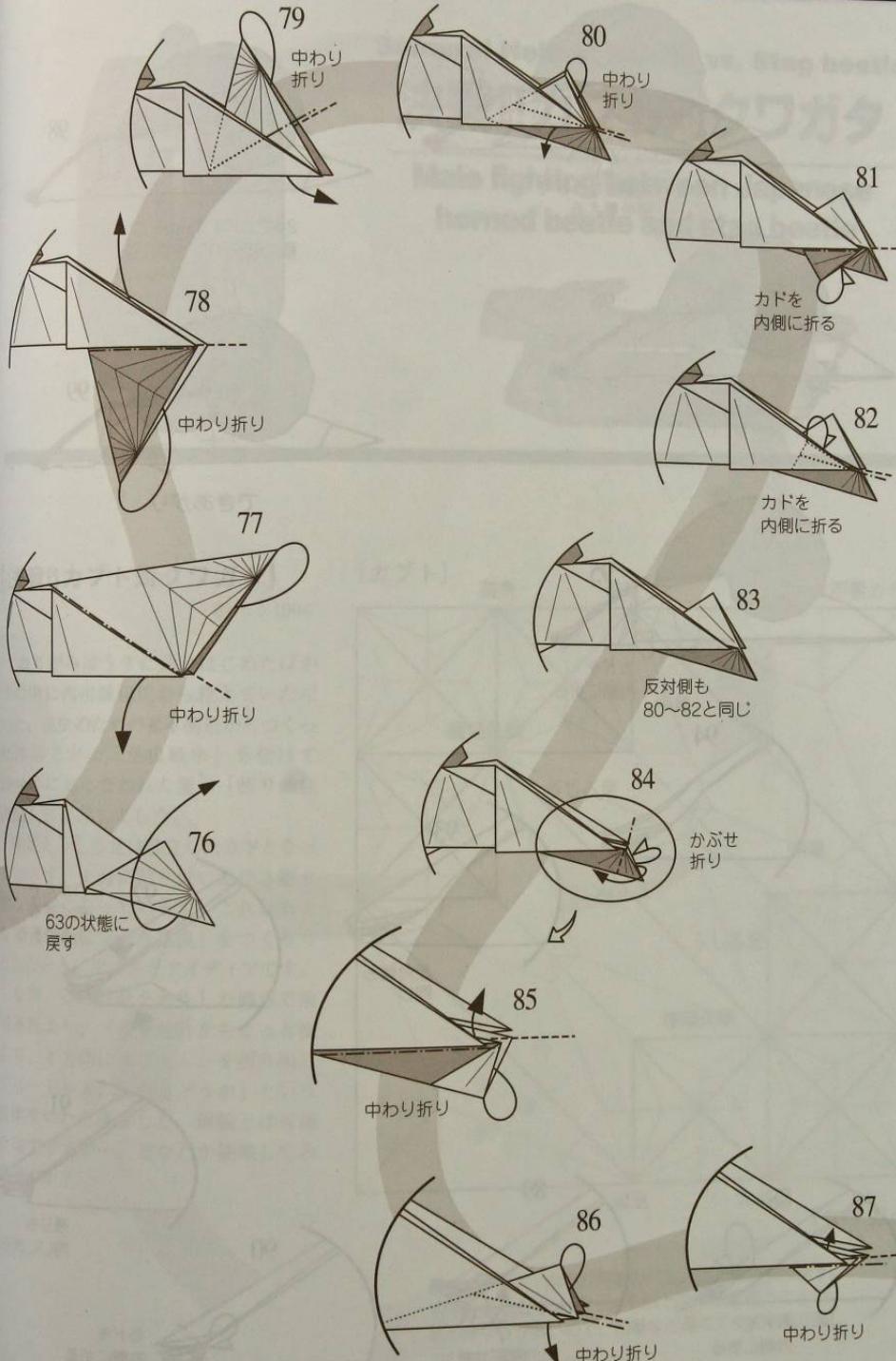


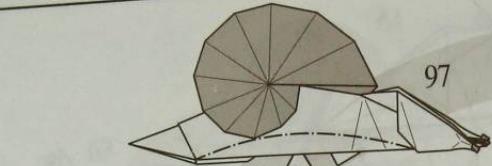
50



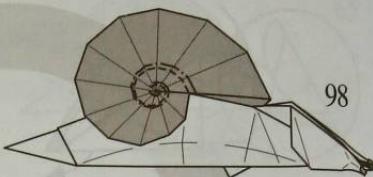


下の縁に沿って
上に折る



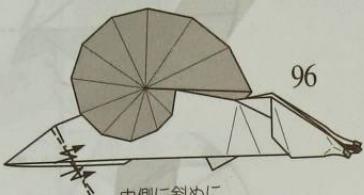


97



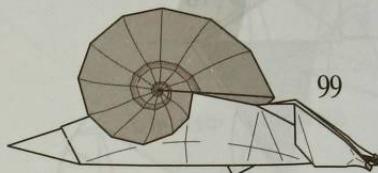
98

内側をひろげて
形を整える



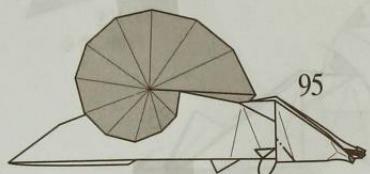
96

内側に斜めに
段折り



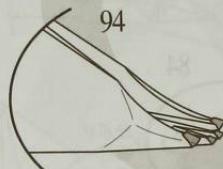
99

できあがり

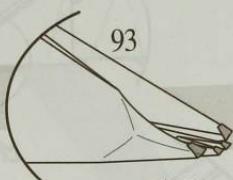


95

カドを
内側に折る



94



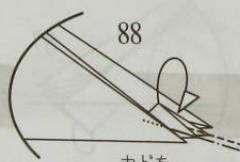
93

反対側も
同じ



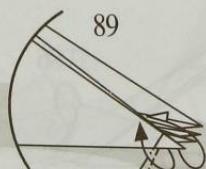
92

つまんで
細くする
ように折る



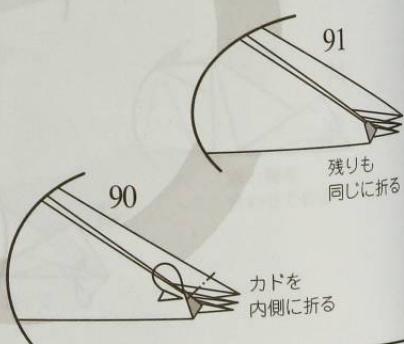
88

カドを
内側に折る



89

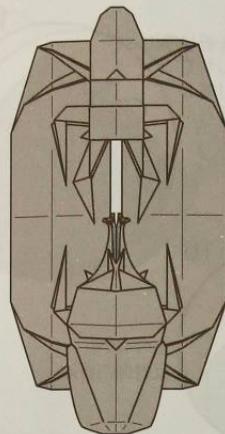
かぶせ折り



90

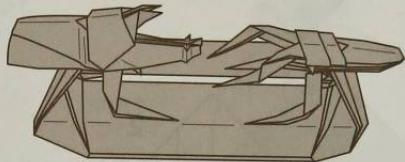
カドを
内側に折る

残りも
同じに折る



Samurai Helmet Beetle vs. Stag beetle 決戦!!カブト対クワガタ

Male fighting between Japanese
horned beetle and stag beetle



[決戦!!カブト対クワガタ]

創作：1994

おりがみはうすに通いはじめたばかりの頃に西川誠司氏から教えていただいた、昆虫のための基本構造からつくった作品です。「昆虫戦争」を受けて1994年におこなわれた展示「折り紙昆蟲館」に出品しました。

中足とうしろ足は独立したカドとなっておらず、土台に貼り付いた浮き彫り的な表現になっています。これはもともと「化石になった昆虫」をつくりうとしたときに出てきたアイディアです。

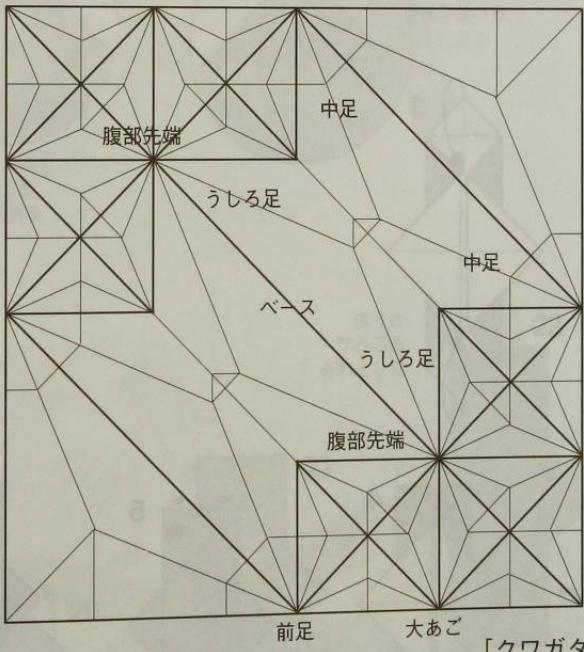
なお、この作品を創作した時点で前川淳氏より、「基本設計をちょっと変えて、4方向にカブトムシを折り出してピートルズにしたらどうか」という提案をいただきました。理論上は可能なはずですが…。どなたか挑戦してみませんか？

[カブト]

前角

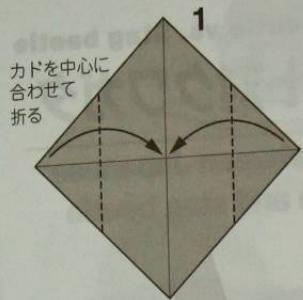
前足

不要カド

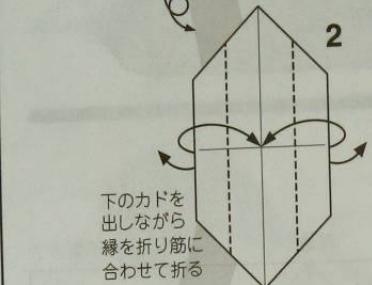


[クワガタ]

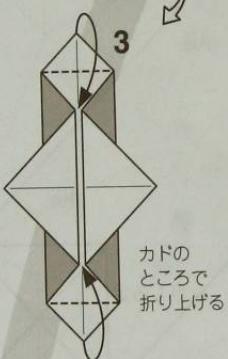
■完成サイズ：全長が用紙の一辺の約35%になります。
初めて折るときは35センチ以上の用紙を使うといい。
紙の重なりが多いので、和紙など薄くて丈夫な紙が適している。要糊付。



1

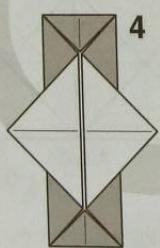


2

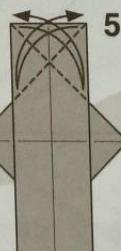


3

カドの
ところで
折り上げる

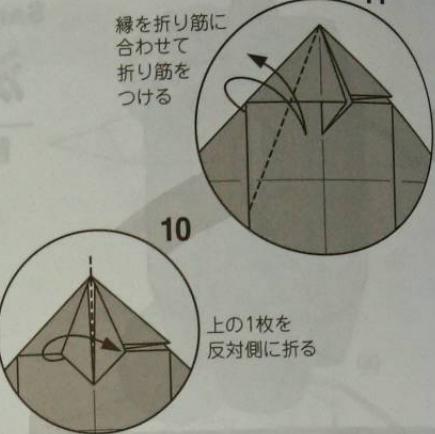


4



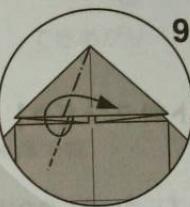
5

縁と縁を
合わせて折る



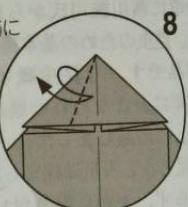
10

上の1枚を
反対側に折る



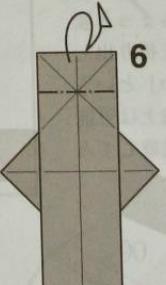
9

内側をひろげて
つぶすように
折る



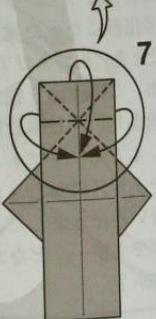
8

縁を折り筋に
合わせて
折り筋を
つける



6

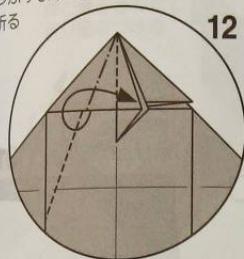
折り筋の交点で
後ろへ折って
折り筋をつける



7

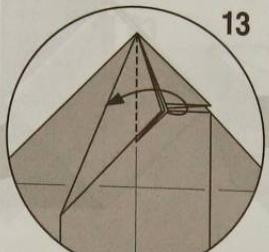
つけた折り筋で
折りまとめる

内側をひろげて
つぶすように
折る

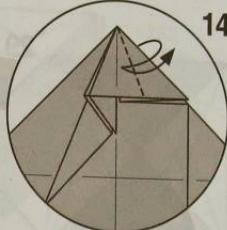


12

13



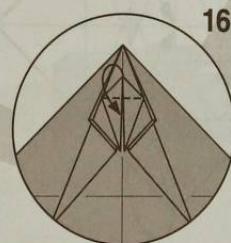
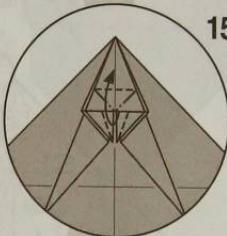
カドを3枚重ねて
反対側に折る



反対側も
8~13と同じ

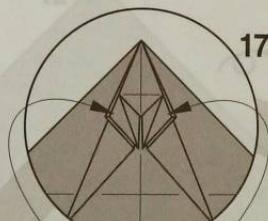
15

内側を
ひろげて
つぶすように
折る

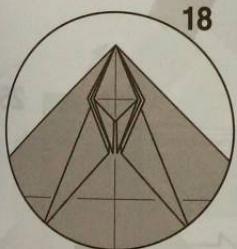


カドを
下に折る

17

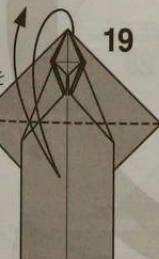


残り2カ所も
15~16と
同じに折る



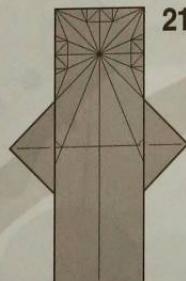
18

カドとカドを
結ぶ線で
折り筋を
つける



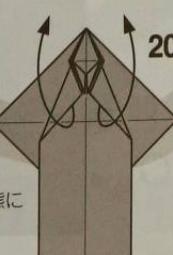
19

21

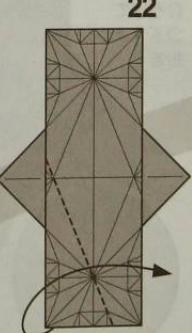


20

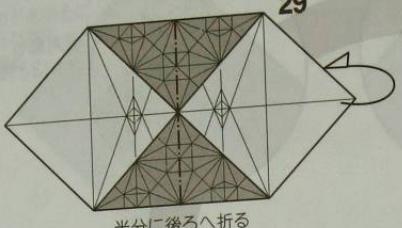
7の状態に
戻す



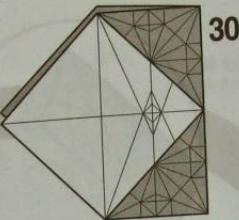
下側も
5~20と
同じに折る



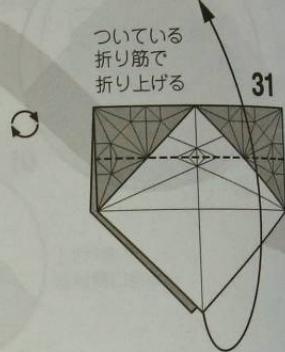
ついている
折り筋で折る



半分に後ろへ折る

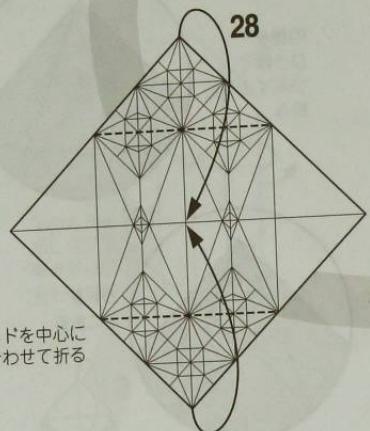


30

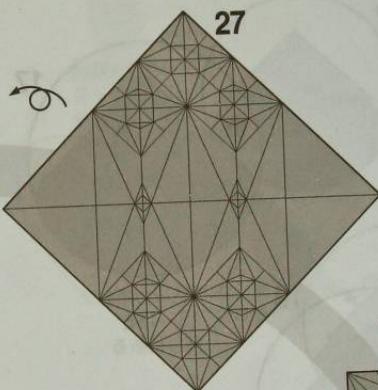


ついている
折り筋で
折り上げる

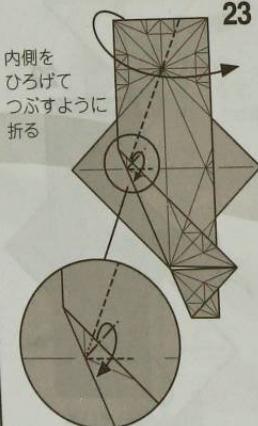
31



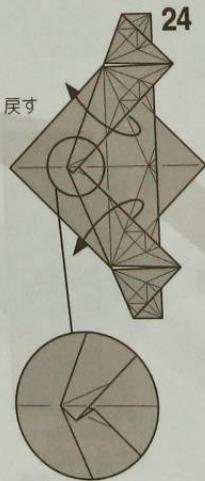
カドを中心
に合わせて折る



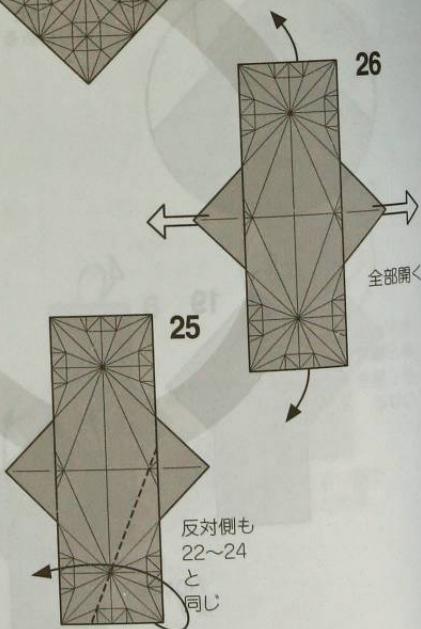
27



内側を
ひろげて
つぶすように
折る



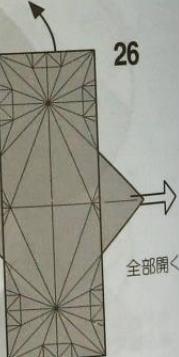
戻す



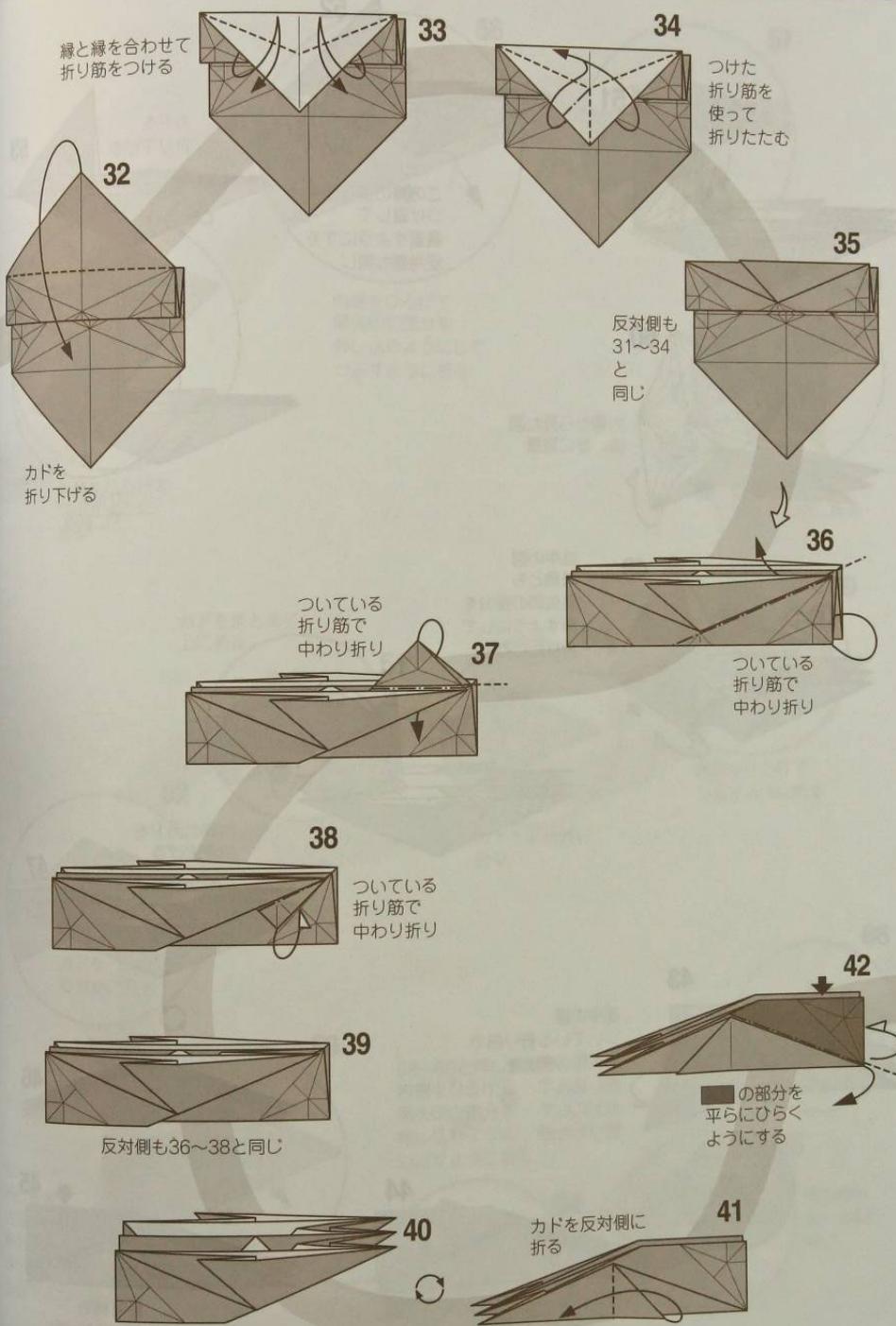
25

反対側も
22~24
と
同じ

26



全部開く



かぶせるように
斜めに段折り

51

この縁の折り筋を
つけ直して
裏返すようにする
反対側も同じ

52

カドを
折り下げる

53

内側から見た図
山、谷に注意

50

カドを
下に折る

54

途中の図
両側とも
黒矢印の部分を
押すようにして
折りたたむ

49

カドを斜めに
引き上げる

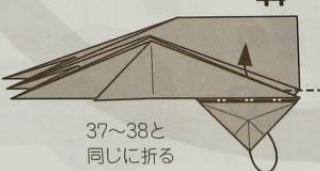
48

内側のカドを
引き上げる

47

途中の図
ついている折り筋で
黒矢印の部分を
押し込んで
カドにして
折りたたむ

43

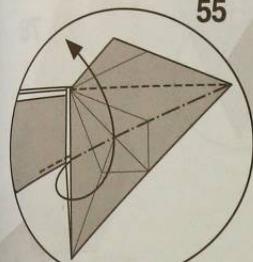


44

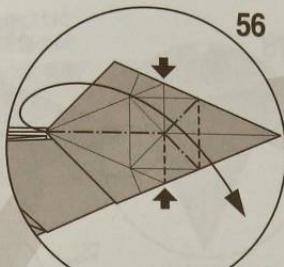
37~38と
同じに折る

反対側も
42~44と同じ

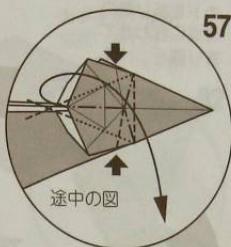




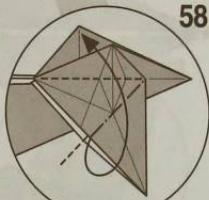
内側をひろげて
つぶすように
折る



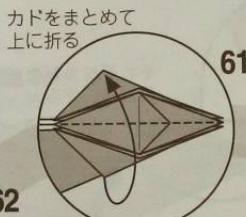
内側をひろげて
黒矢印の部分を
押し込むようにして
つぶすように折る



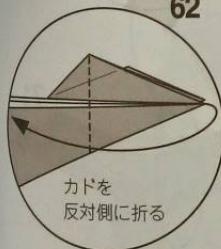
途中の図



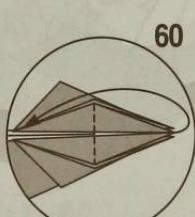
内側をひろげて
つぶすように折る



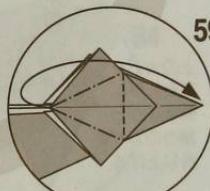
カドをまとめて
上に折る



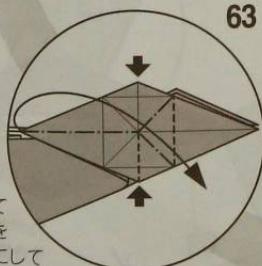
カドを
反対側に折る



カドを反対側に
折る

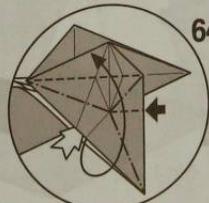


内側をひろげて
つぶすように折る

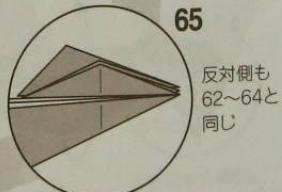


56~57と
同じ要領で
内側をひろげて
黒矢印の部分を
押し込むようにして
つぶすように折る

58~59と同じ要領で
内側をひろげて
黒矢印の部分を
押し込むようにして
つぶすように折る

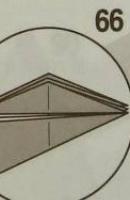


64



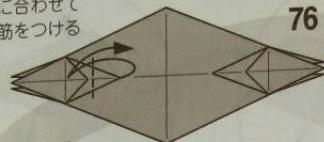
65

反対側も
62~64と
同じ



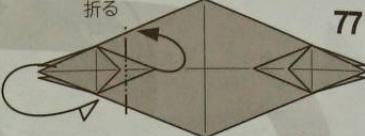
カドを折り筋の
交点に合わせて
折り筋をつける

76

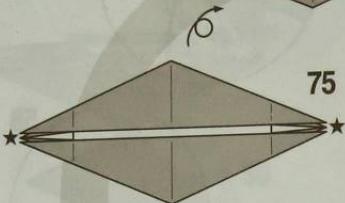


つけた折り筋の位置で
74の要領でカドを後ろへ
折る

77



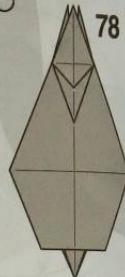
75



74

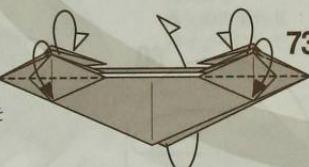
☆のカドを
後ろへ折るときに
★のカドを
持ち上げるように
反対側に折る

78



上のカドを
左右均等に
開きながら
後ろのカドを
折り上げる

73



それぞれカドを
反対側に折る

72



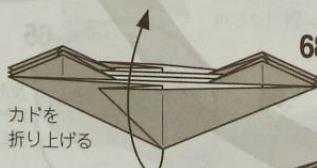
反対側も47~66と
同じ

67

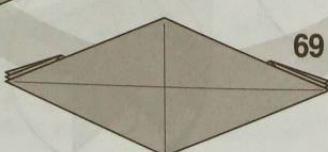


カドを
折り上げる

68

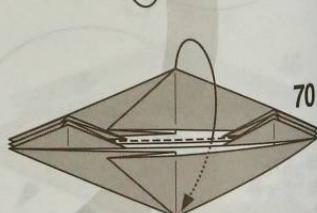


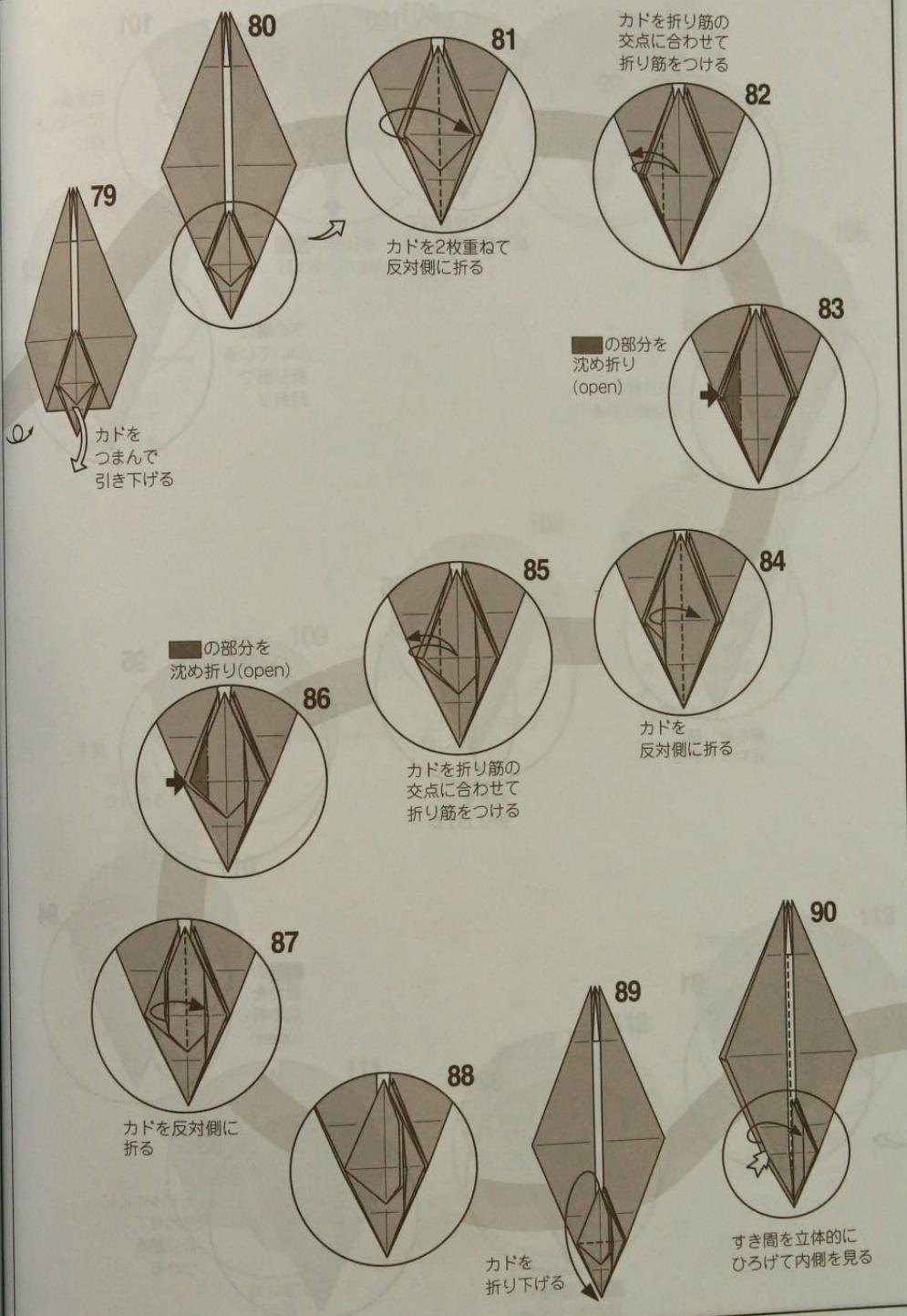
69

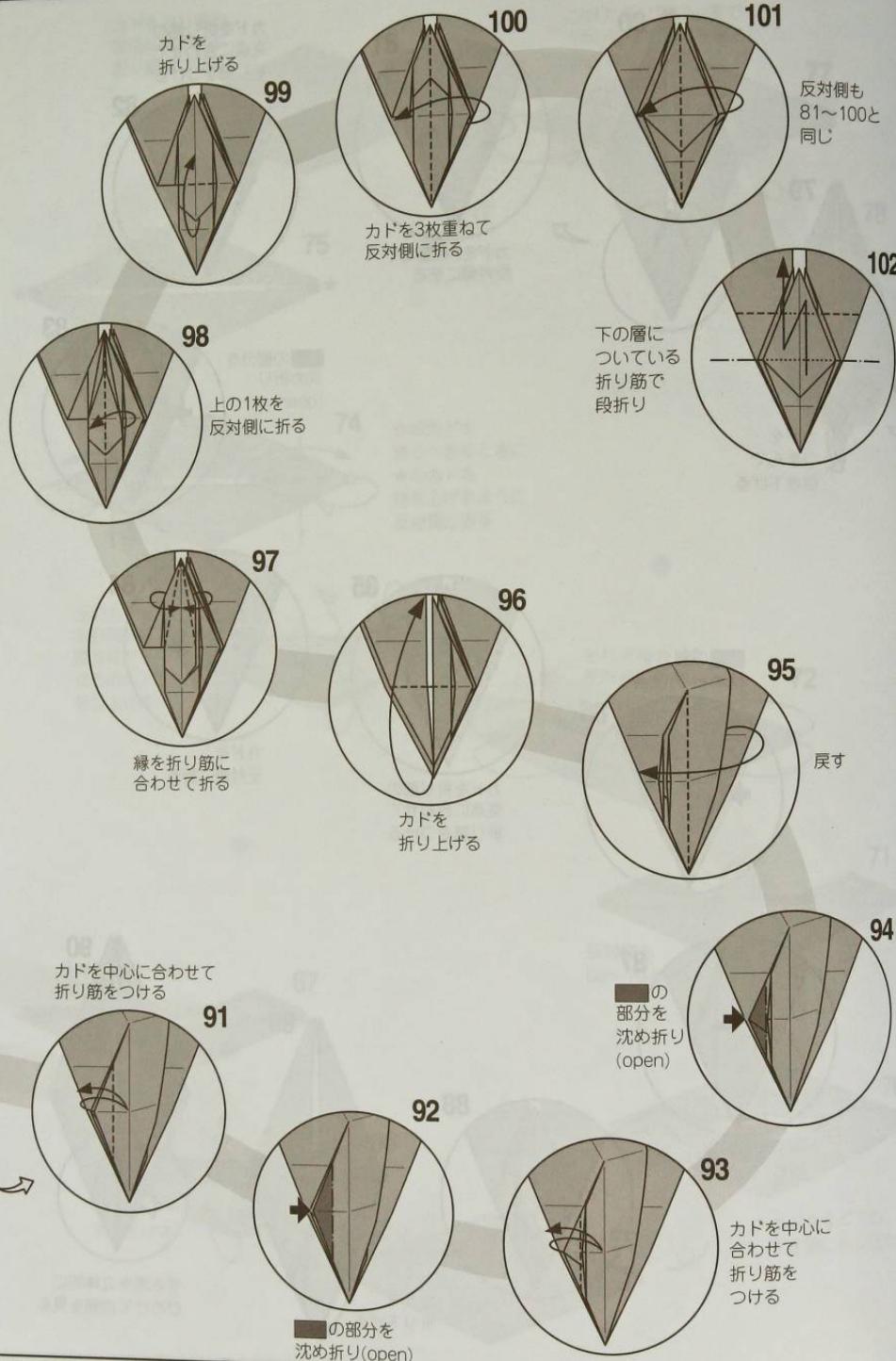


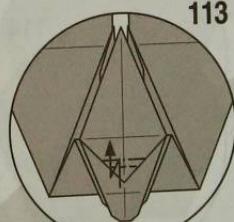
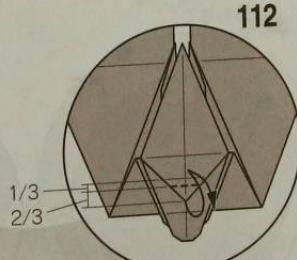
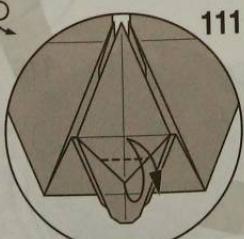
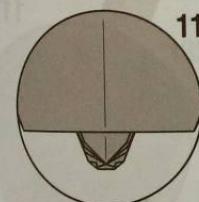
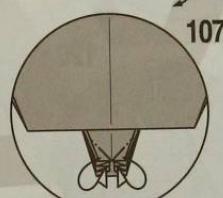
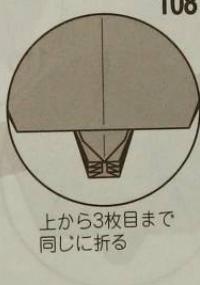
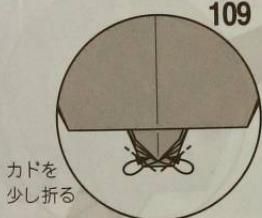
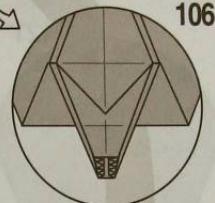
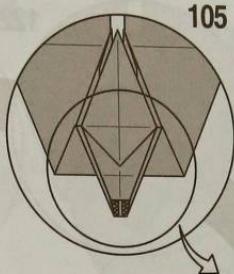
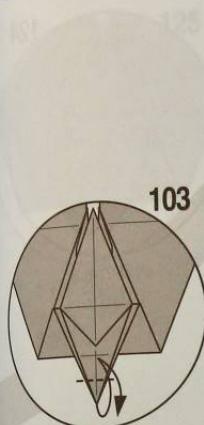
カドをすぐ下の
すき間に折り込む

70





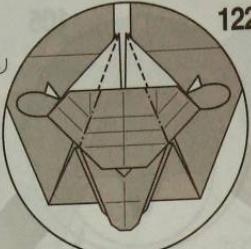




151

中わり
折り

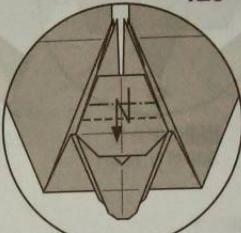
122



121

折り筋の
ところで
内側に折る

123



内側の紙を
引き出す

120

内側の紙を
引き出して
開く

119

カドを内側に
折る

平行

118

内側の紙を
引き出す

114

●と○の
折り筋を
合わせて
折り筋を
つける

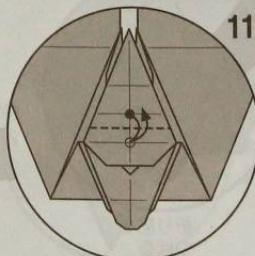
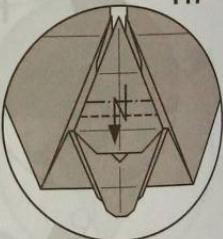
カドを折り筋に
合わせて
折り筋をつくる

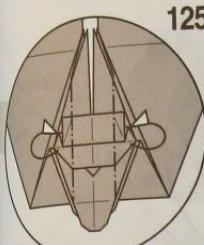
115

116

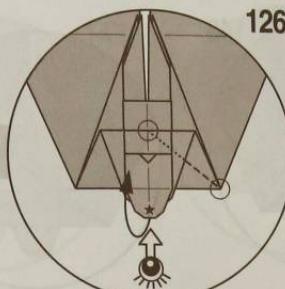
●と○の
折り筋を
合わせて
折り筋を
つける

つけた
折り筋で
段折り

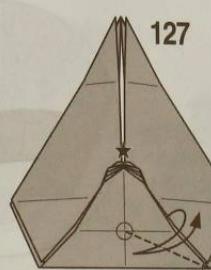




カドを2枚
かさねた状態で
すき間に折る

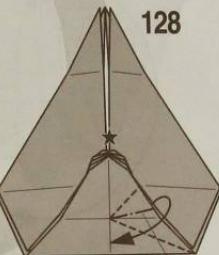


かるく開いて
内側を見る

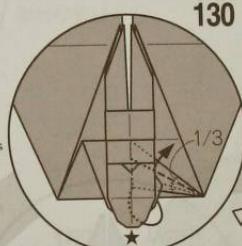


内側の図
カドと折り筋の
交点を結ぶ線で
折り筋をつける

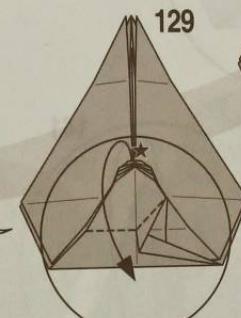
128



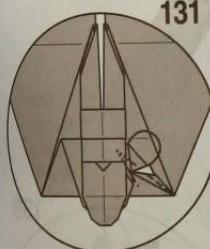
この縁に
なる線を
中心に
合わせて
折る



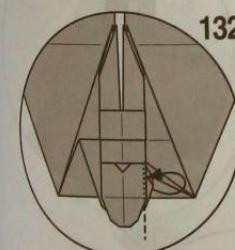
1/3の角度で
中わり折り



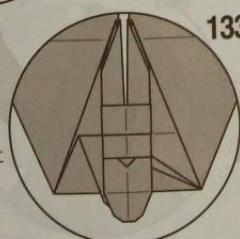
縁を中心には
せたまま
つぶすように折る



下の縁に沿って
カドを
内側に折る

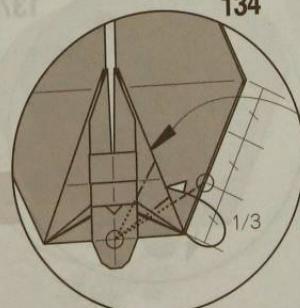


カドを内側に
折る

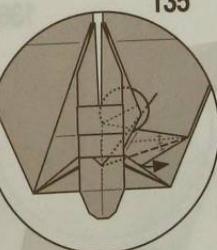


反対側も
126~132と
同じ

内側のカドを
1/3の角度で
中わり折り



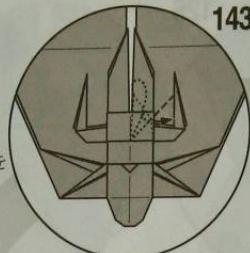
134



内側のカドを
こちら側から見て
126~129と同じ
要領で折る

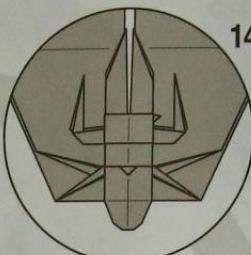
143

99で
折り上げた
内側のカドを
中わり折り



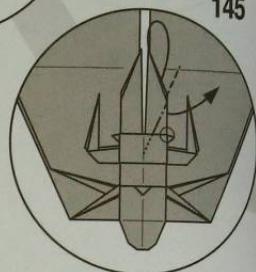
144

反対側も
同じ



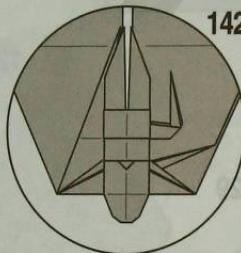
145

縁を○のところに
合わせるように
中わり折り



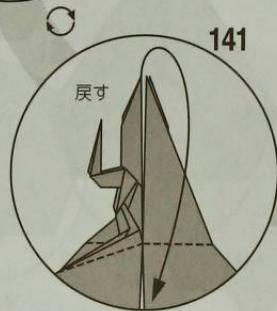
142

反対側も
134~141と
同じ



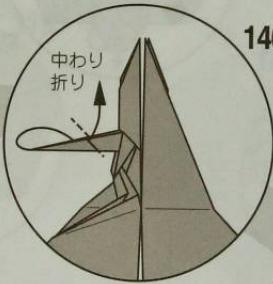
141

戻す



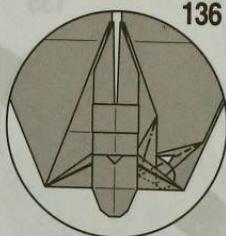
140

中わり
折り

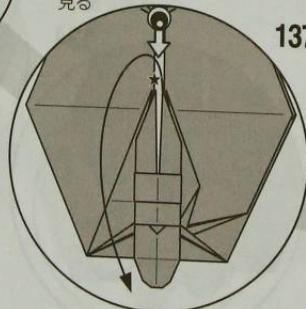


136

軽く開いて
内側を立体的に
見る



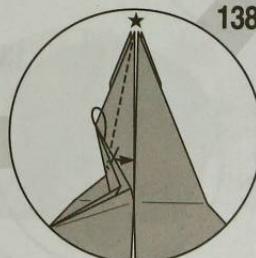
下の縁に
沿って
カドを
内側に折る



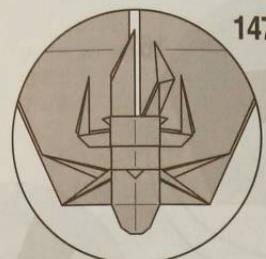
138

縁と縁を
合わせて
中わり折り

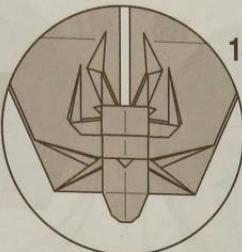
○



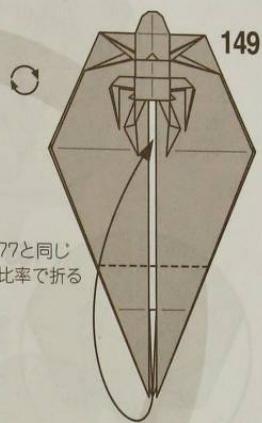
反対側も
145~146と
同じ



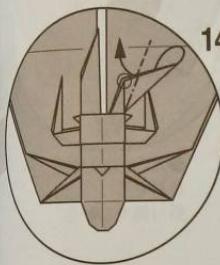
147



148



149



146

縁を○のところに
合わせるように
中わり折り

77と同じ
比率で折る



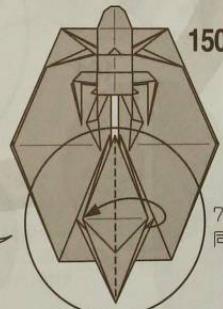
152

●と○の
折り筋を
合わせて
折り筋を
つける



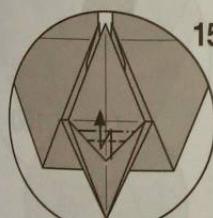
151

折り筋をつける



150

77~100と
同じに折る

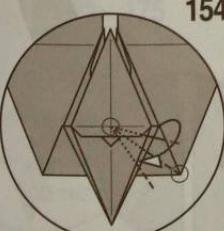


153

つけた
折り筋で
段折り

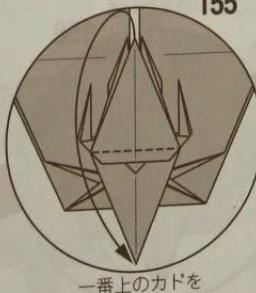
カドを折り筋に
合わせて
折り筋をつける

156

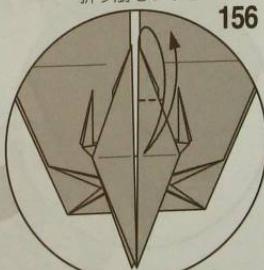


154

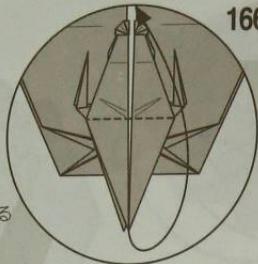
126~142と
同じに折って
足をつくる



一番上のカドを
下に折る

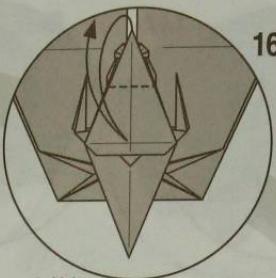


155



166

カドを
折り上げる



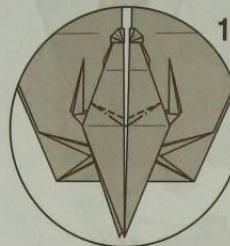
167

カドを
折り筋に合わせて
折り筋をつける



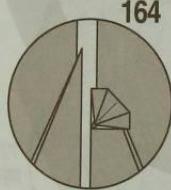
168

●と○の折り筋を
合わせて
折り筋をつける



165

図のような
折り筋を
つける



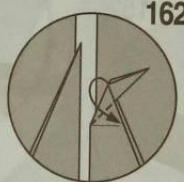
164

反対側も同じ



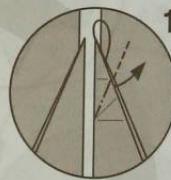
163

内側をひろげて
つぶすように折る



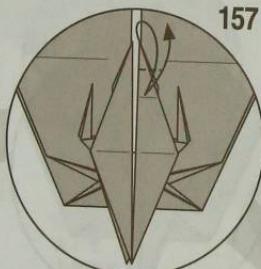
162

カドを
斜めに折る



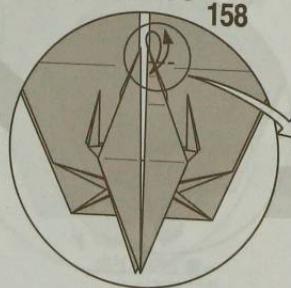
161

中わり
折り



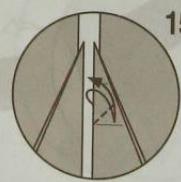
157

カドを折り筋に
合わせて
折り筋をつける



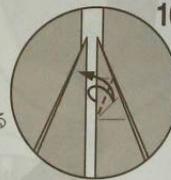
158

カドを折り筋に
合わせて
折り筋をつける



159

縁を折り筋に
合わせて
折り筋を
つける



160

縁を折り筋に
合わせて
折り筋をつける

カドを折り筋に
合わせて
折り筋をつける

170

169

●と○の折り筋を
合わせて
折り筋をつける

171

内側の紙を
引き出す

172

○と○を
結ぶ線で
カドを
後ろへ折る

173

ついている
折り筋で
内側に段折り

179

165でつけた
折り筋を使って
ひねるようにして
面と面を合わせて
のり付け

■の裏側に
のりを付ける

174

裏の縁に沿って
中わり折り

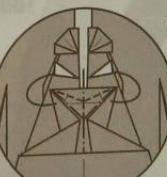
178

カドと
カドを
合わせて
折る

175

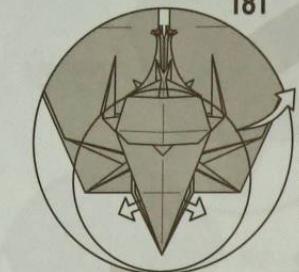
反対側も同じ

176

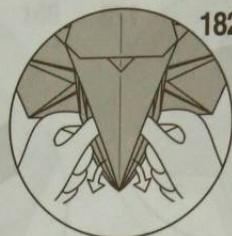


177

カドをつまむように
して図のような
折り筋で折りたたむ

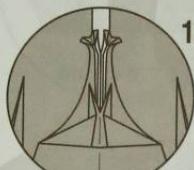


181



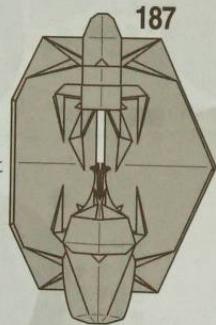
182

途中の図
内側の2枚を
つまんで
引き出して
立体的にする



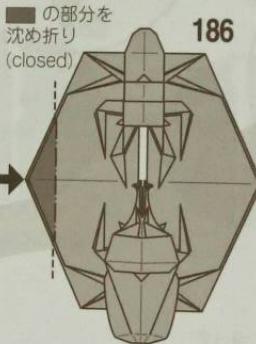
180

ここで143のように
カドを折って
触角をだす



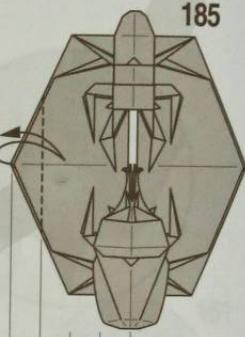
187

反対側も
185～186と同じ



186

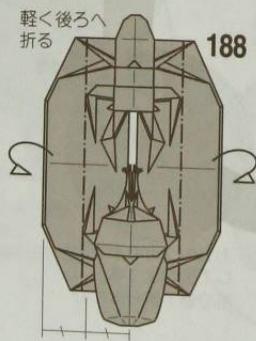
■の部分を
沈め折り
(closed)



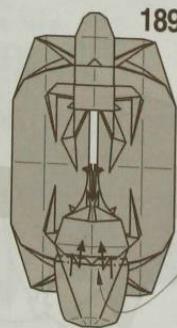
185

1/4

1/4のところで
折り筋をつける

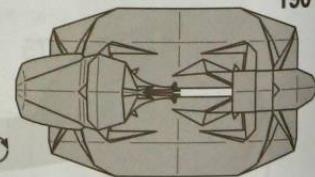


軽く後ろへ
折る



189

ピンセット
などをさし込み
ねじるようにして
折り筋をつける



できあがり

第12回

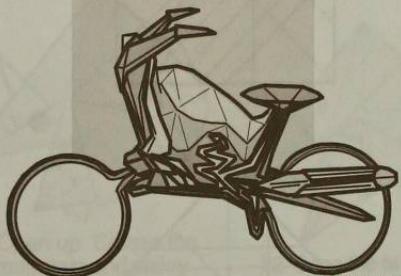
折紙探偵団コンベンション折り図集

12th Origami Tanteidan Convention Book



©Robert J. Lang

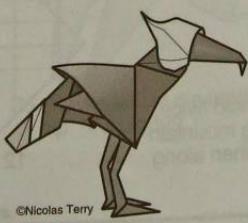
海外編／Models by Foreign Folders



©Xander D. Arena



©Manuel Sirgo



©Nicolas Terry

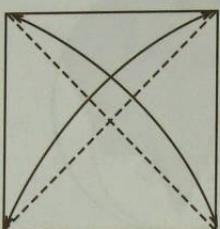


©Marc Kirschenbaum

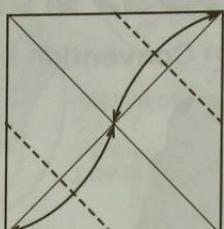
LION

Complex

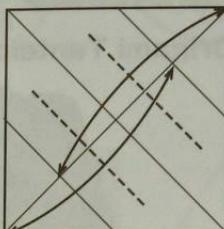
A 60 cm. square gives a model of 25 cm. from nose to tail.



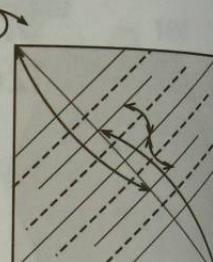
1. Coloured side facing down, crease.



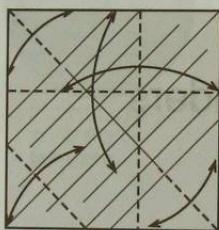
2. Crease.



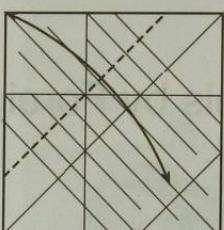
3



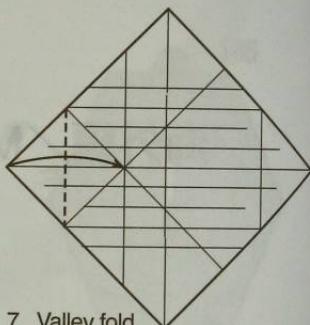
4. Crease.



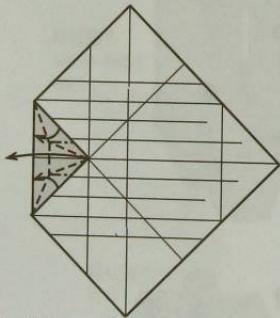
5. Crease. Turn over.



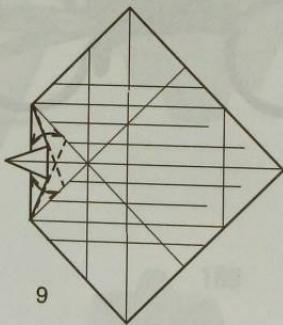
6



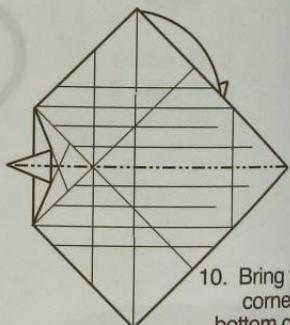
7. Valley fold.



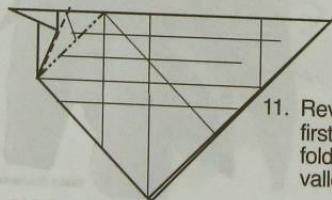
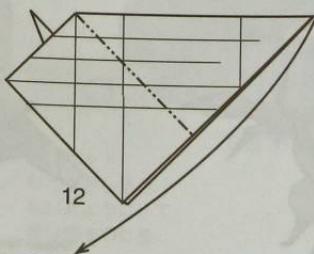
8. Collapse for the tail piece.



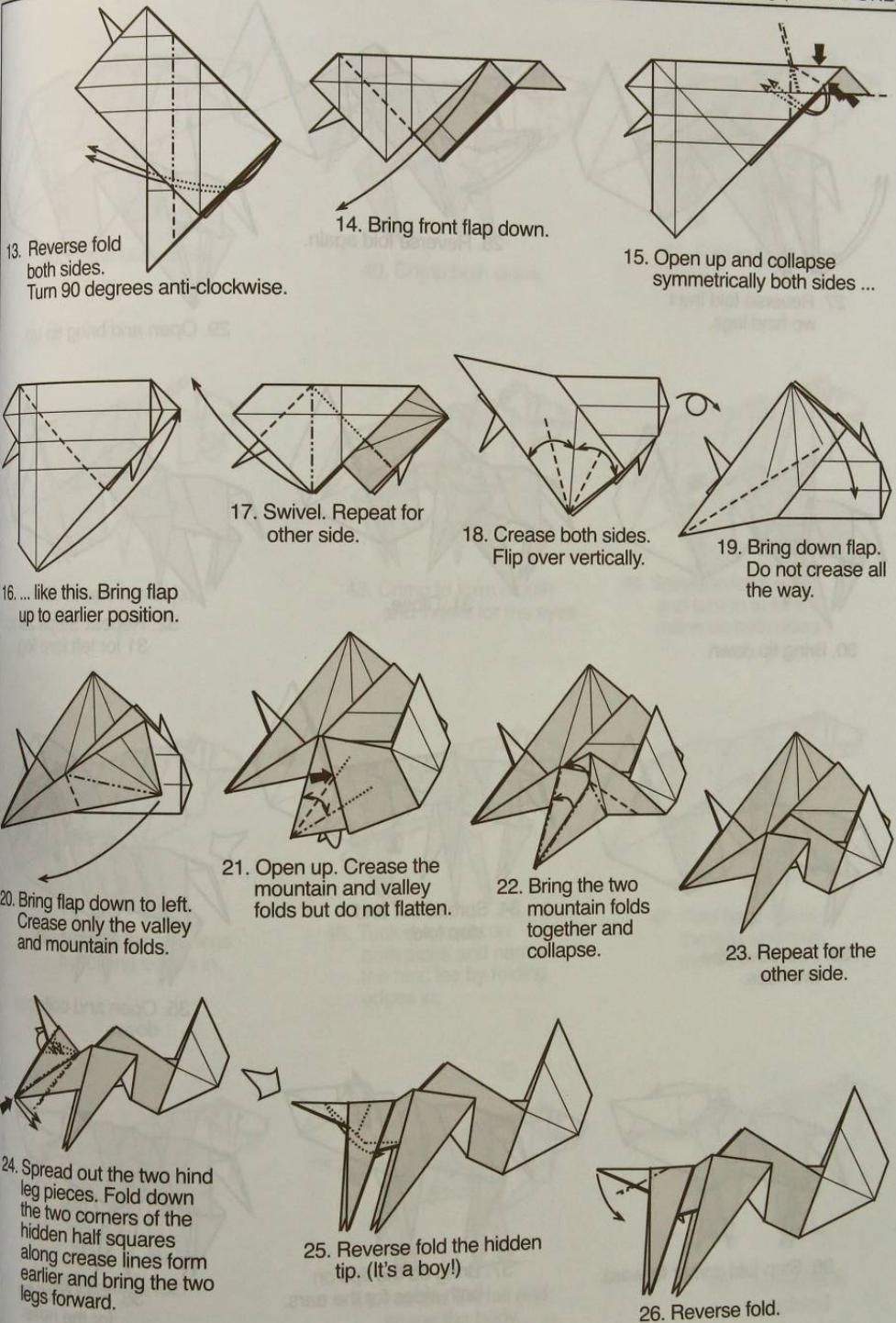
9

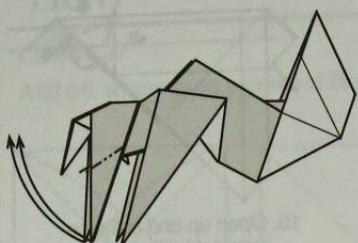


10. Bring top corner to bottom corner.

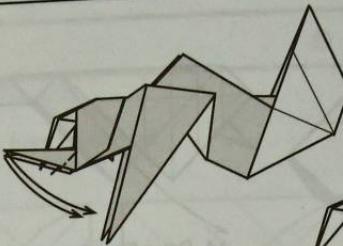
11. Reverse fold twice,
first along mountain
fold and then along
valley.

12

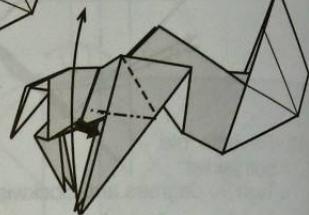




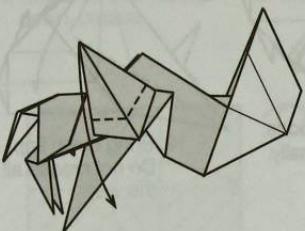
27. Reverse fold the two hind legs.



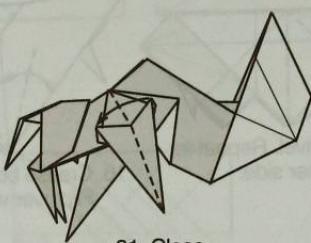
28. Reverse fold again.



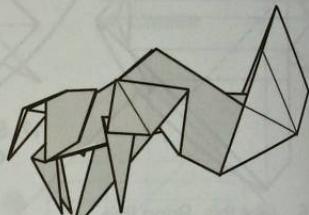
29. Open and bring tip up.



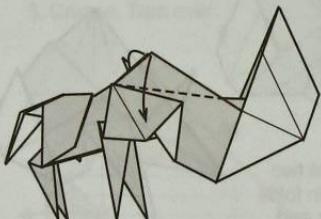
30. Bring tip down.



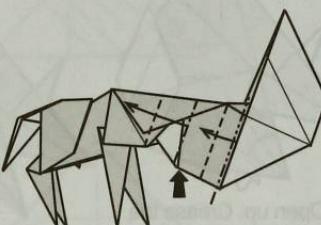
31. Close.



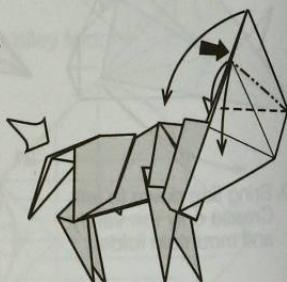
32. Repeat Steps 29 to 31 for left fore leg.



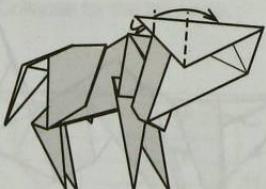
33. Fold down the two flaps.



34. Spread out and step fold.



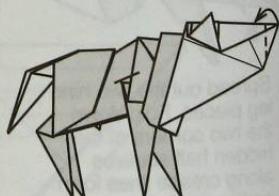
35. Open and collapse down.



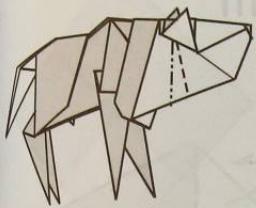
36. Step fold corner forward.



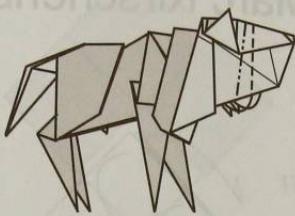
37. Bring up the tips on both sides for the ears.



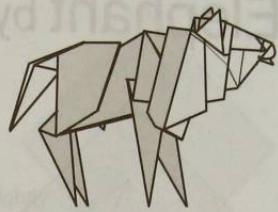
38. Fold back tip for the nose.



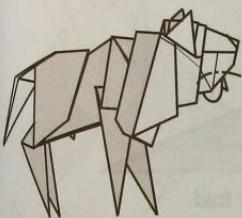
39. Crimp both sides.



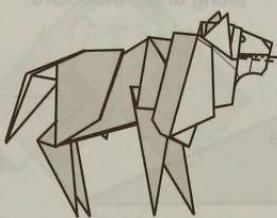
40. Crimp both sides.



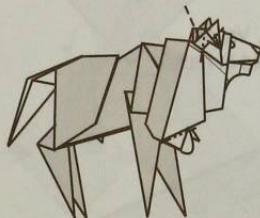
41. Fold in tip of nose.



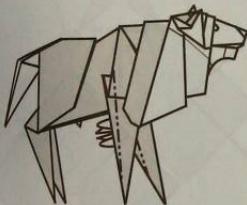
42. Shape lower jaw.



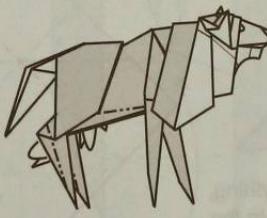
43. Crimp to form mouth
and indent for the eyes.



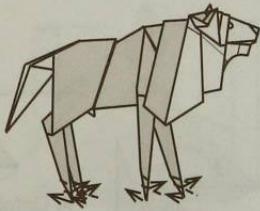
44. Swivel to form ears
and tuck in to lock
mane on both sides.



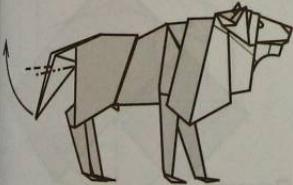
45. Narrow the fore legs
by folding edges in.



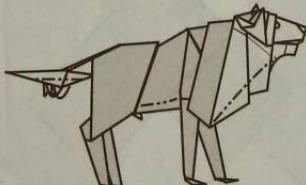
46. Tuck in tummy on
both sides and narrow
the hind legs by folding
edges in.



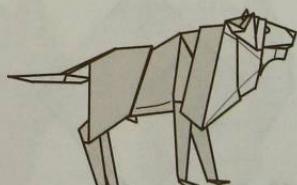
47. Fold back tips of
the legs and form
the feet.



48. Reverse fold.

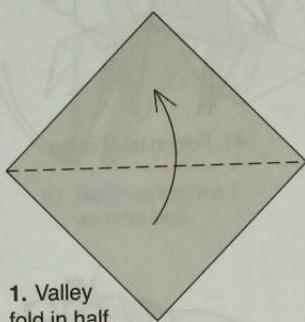


49. Narrow the tail and
shape the body.

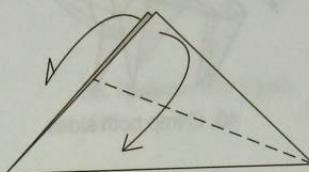


50. The model is
completed.

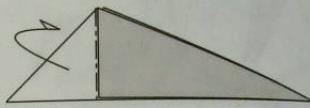
Elephant by Marc Kirschenbaum



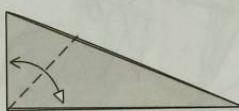
1. Valley fold in half.



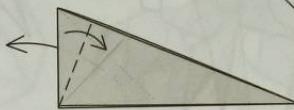
2. Valley fold the sides down along angle bisectors.



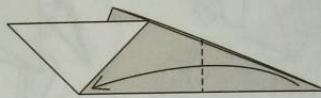
3. Mountain fold.



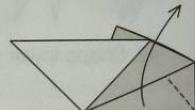
4. Precrease along the angle bisector.



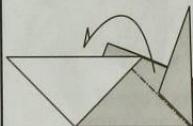
5. Valley fold the left edge towards the crease, allowing the back flap to flip out.



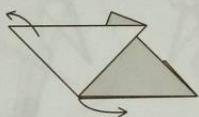
6. Valley fold.



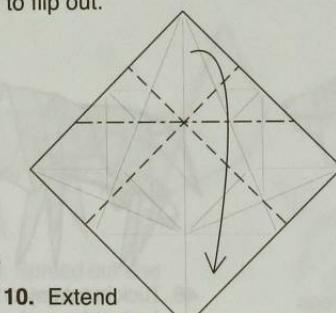
7. Valley fold the flap up.



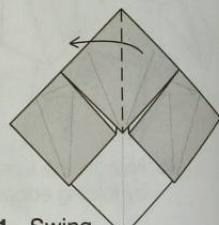
8. Mountain fold.



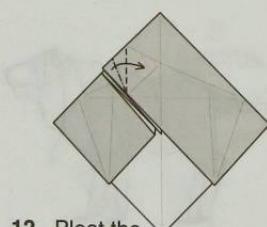
9. Unfold everything, opening up to the white side.



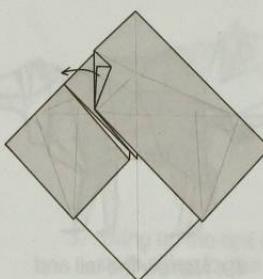
10. Extend some of the creases, and collapse down.



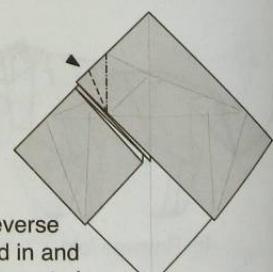
11. Swing over the top flap.



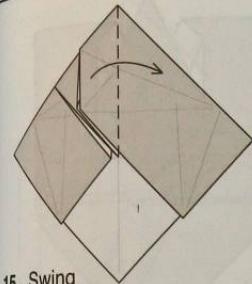
12. Pleat the corner, starting with the existing valley fold crease.



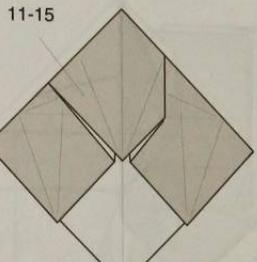
13. Unfold the pleat.



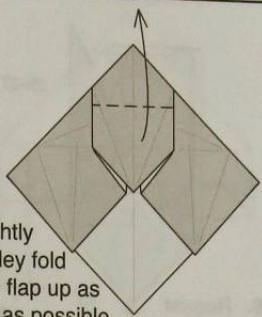
14. Reverse fold in and then out along the existing creases.



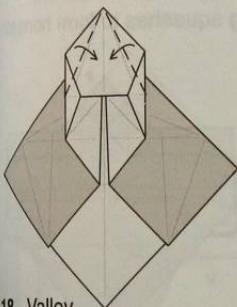
15. Swing the flap back over.



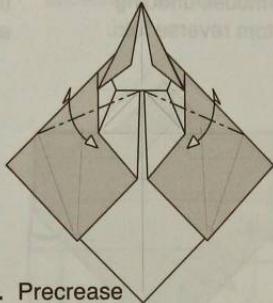
16. Repeat steps 11-15 in mirror image.



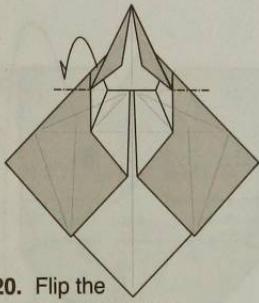
17. Lightly valley fold the flap up as far as possible.



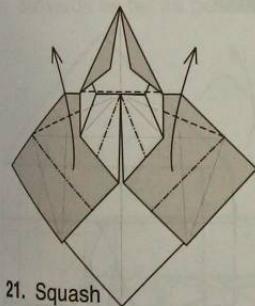
18. Valley fold the sides inwards.



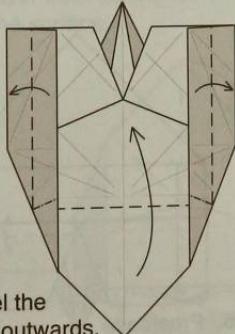
19. Precrease with mountain folds (extending the existing creases).



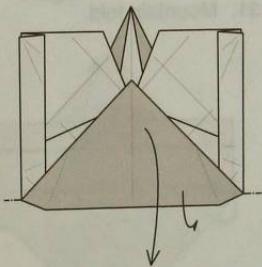
20. Flip the back flap down.



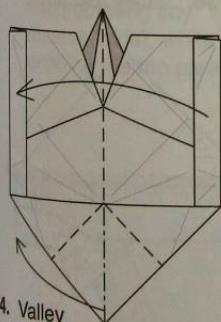
21. Squash the sides upwards.



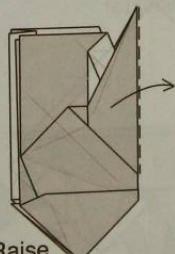
22. Swivel the sides outwards, allowing the bottom to fold up.



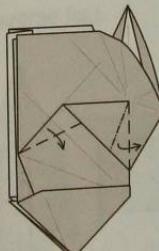
23. Flip the bottom flap.



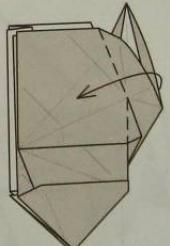
24. Valley fold in half while reverse folding at the bottom.



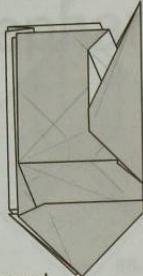
25. Raise the top layer.
The model will not lie flat.



26. Swivel over.

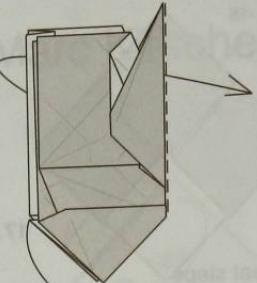


27. Bring the flap back down.

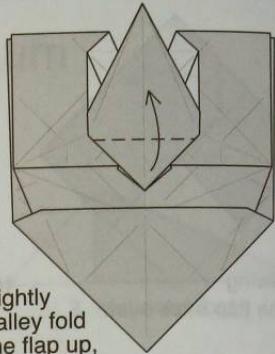


25-27

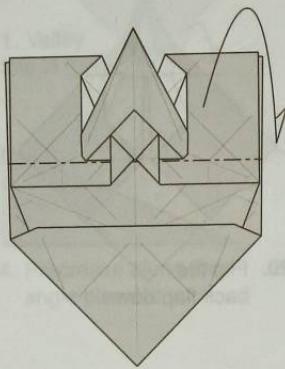
28. Repeat steps 25-27 behind.



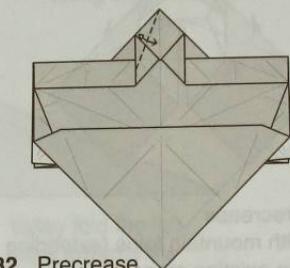
29. Open out the model, undoing the bottom reverse fold.



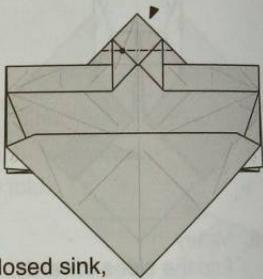
30. Lightly valley fold the flap up, allowing squashes to form beneath.



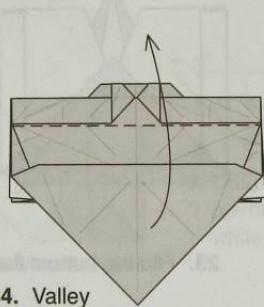
31. Mountain fold.



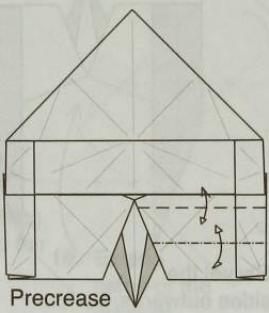
32. Precrease along the angle bisector.



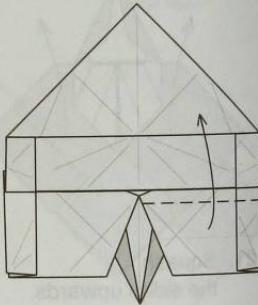
33. Closed sink, noting the indicated reference point.



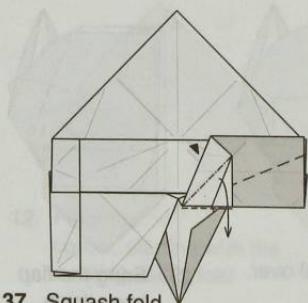
34. Valley fold the flap up.



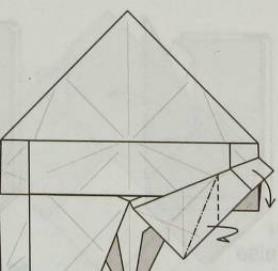
35. Precrease the indicated section into thirds.



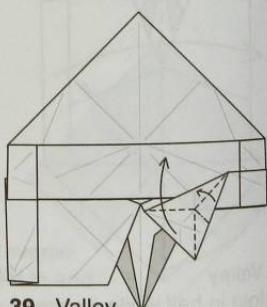
36. Valley fold up.



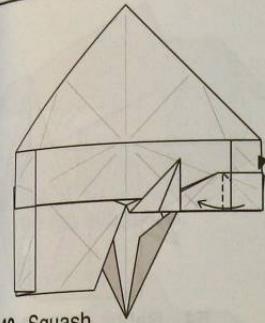
37. Squash fold.



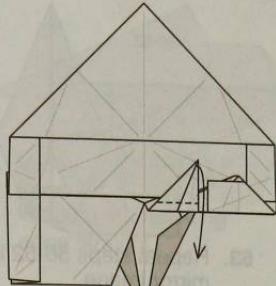
38. Swivel fold.



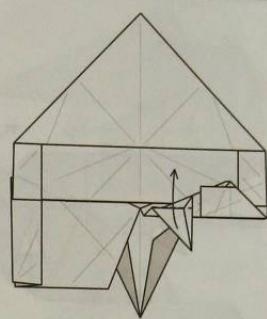
39. Valley fold up while swiveling in.



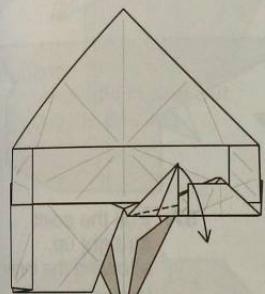
40. Squash the flap inwards.



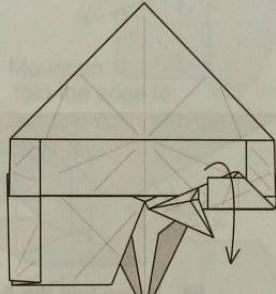
41. Valley fold, allowing a squash to form.



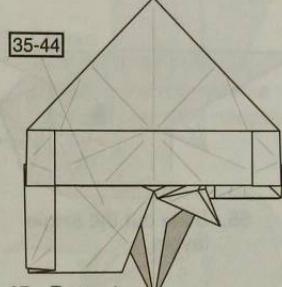
42. Swing back up.



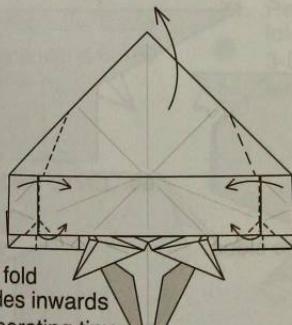
43. Valley fold outwards as far as possible.



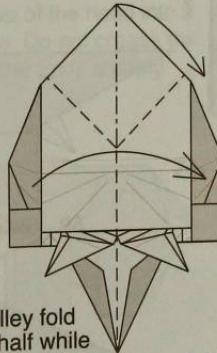
44. Bring the layer from behind to the surface.



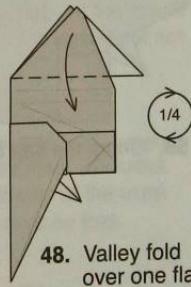
45. Repeat steps 35-44 in mirror image.



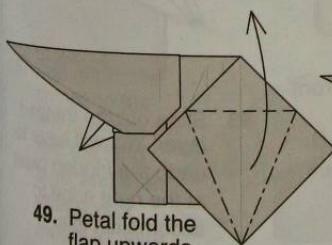
46. Valley fold the sides inwards (incorporating tiny reverse folds), while undoing the top pleat.



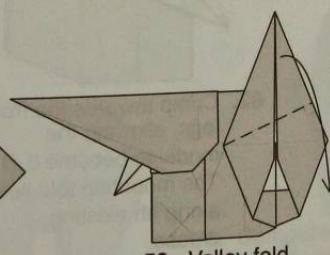
47. Valley fold in half while replacing the reverse fold.



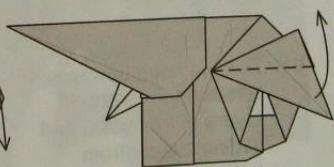
48. Valley fold over one flap. Rotate the model.



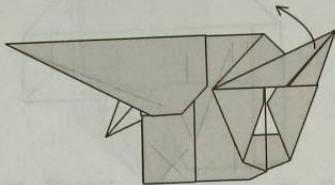
49. Petal fold the flap upwards.



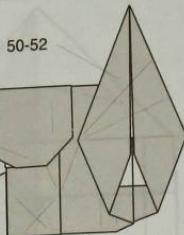
50. Valley fold.



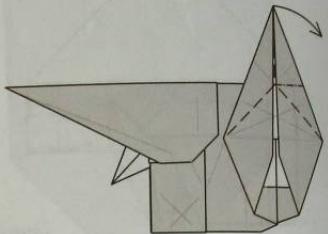
51. Valley fold up.



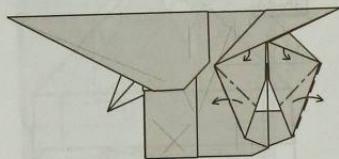
52. Unfold the pleat.



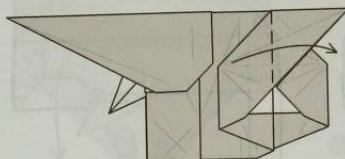
53. Repeat steps 50-52 in mirror image.



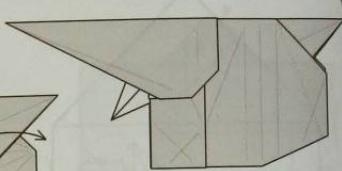
54. Rabbit ear the flap.



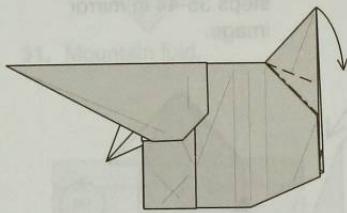
55. Slide out the single layers.



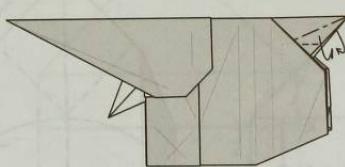
56. Valley fold the flap over.



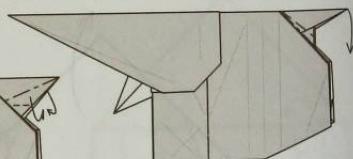
57. Pull the point straight up, allowing the inner layers to swivel.



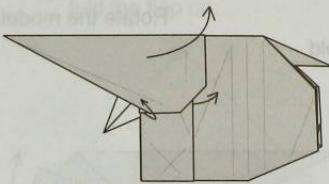
58. Crimp the flap down.



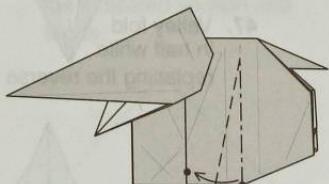
59. Swivel in the sides.



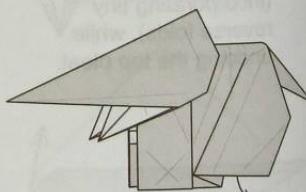
60. Crimp the flap down.



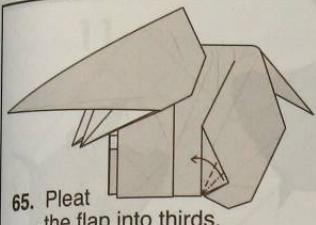
61. Pull the head upwards, releasing the trapped layers at the tusks, and sliding a layer from behind the legs.



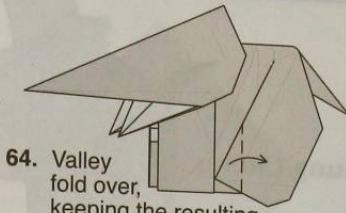
62. Crimp towards the front legs, allowing the model to become 3-D. The mountain fold lies along an existing crease.



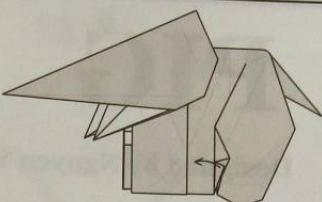
63. Slide out the trapped layer. You will have to undo the hidden pleat at the right edge to accomplish this.



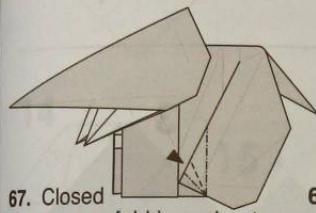
65. Pleat the flap into thirds.



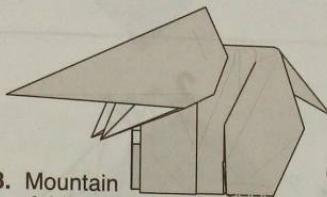
64. Valley fold over, keeping the resulting edge straight.



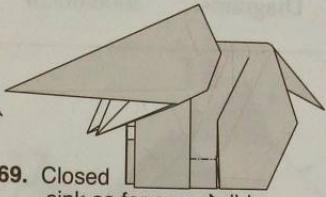
66. Unfold the pleat.



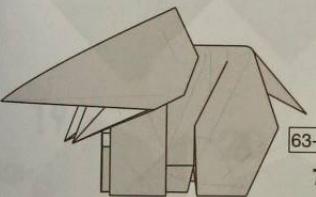
67. Closed reverse fold in and out along the existing



68. Mountain fold the edge to make it flush with the other leg.

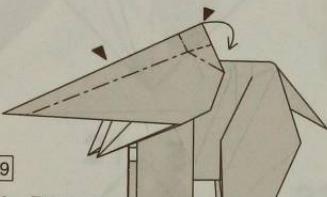


69. Closed sink as far as possible, adjusting the tiny reverse fold from step 46 if necessary.

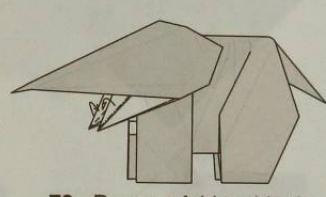


70. Repeat steps 63-69 behind.

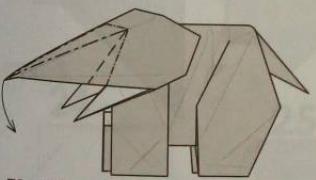
63-69



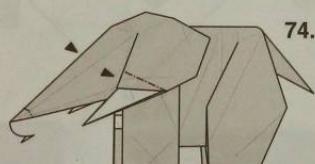
71. Reverse fold the top of the head into a 3-D shape. Do not crease the length of the trunk sharply.



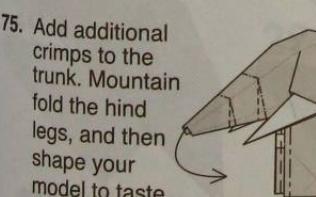
72. Reverse fold to thin the tusks. The tusks will be flat, but the inside of the model will not.



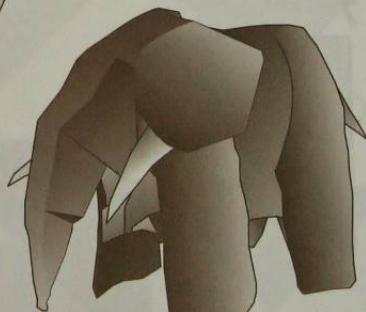
73. Crimp the trunk down. The long mountain folds that run the length of the trunk should be along angle bisectors.



74. Add reverse folds where the ears meet the tusks. Blunt the tip of the trunk with a reverse fold.



75. Add additional crimps to the trunk. Mountain fold the hind legs, and then shape your model to taste.



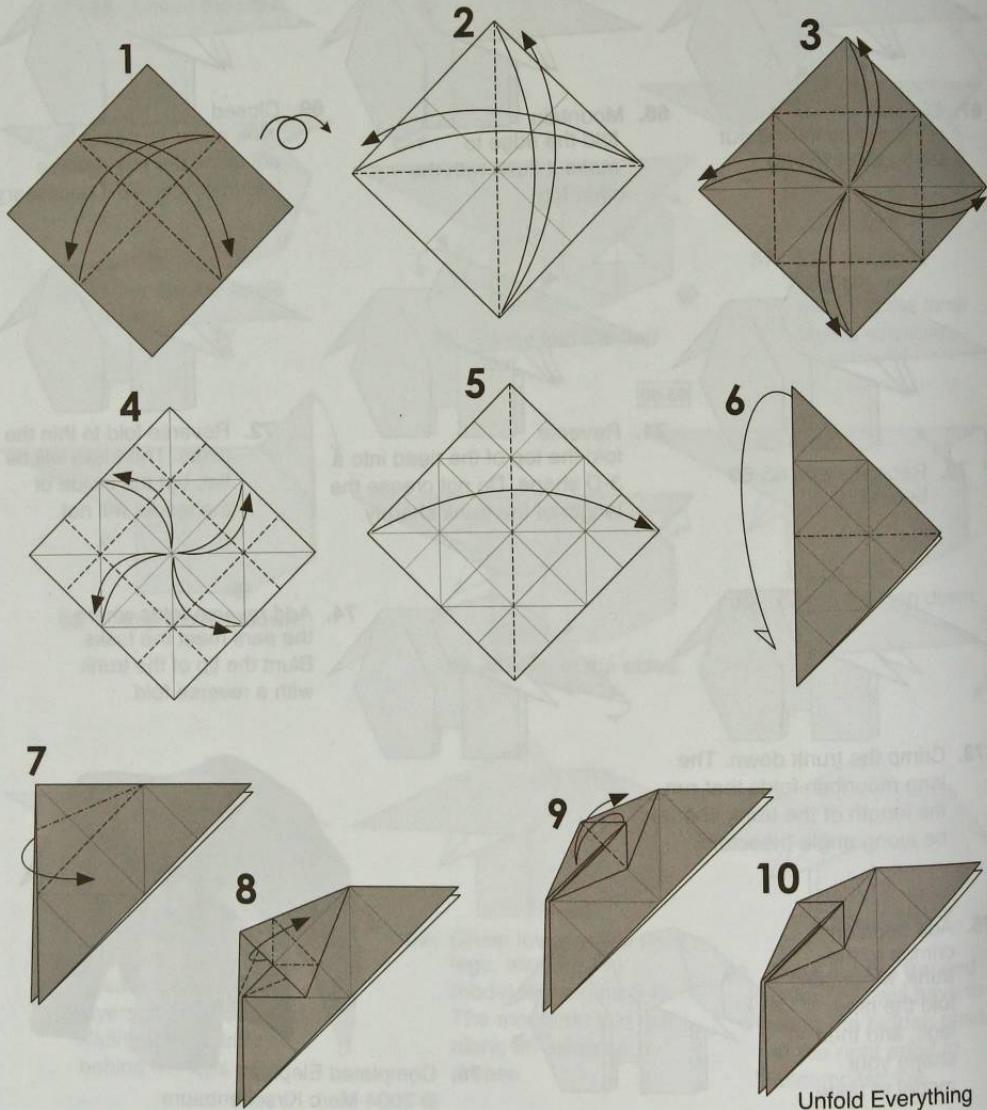
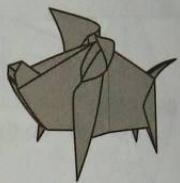
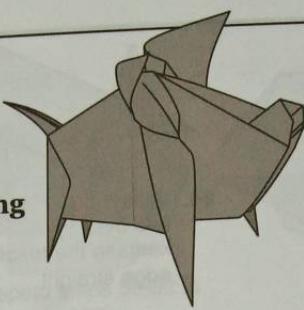
76. Completed Elephant
© 2004 Marc Kirschenbaum

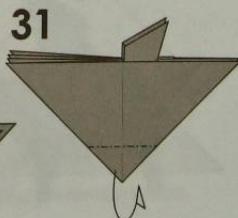
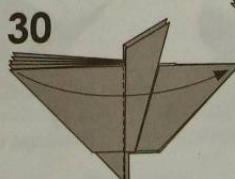
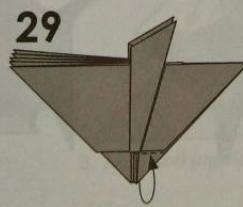
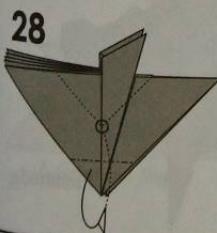
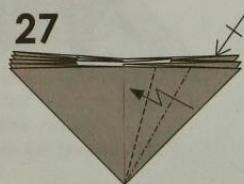
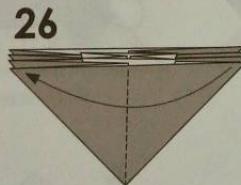
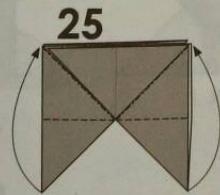
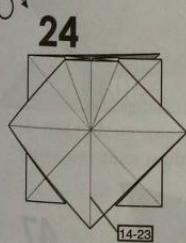
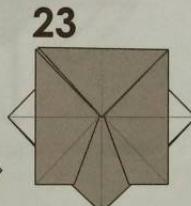
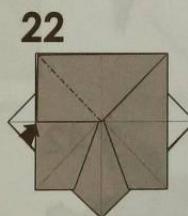
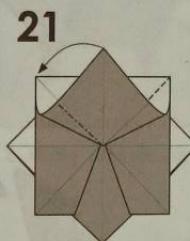
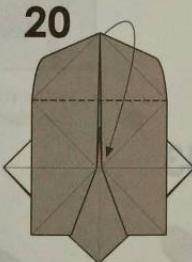
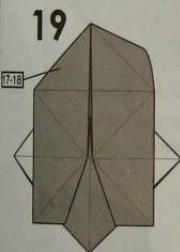
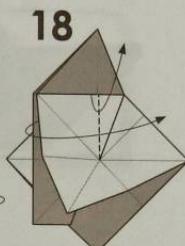
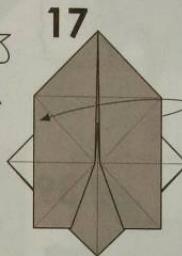
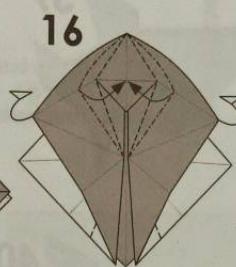
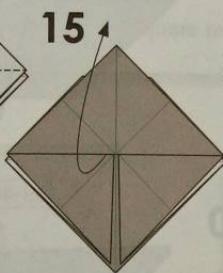
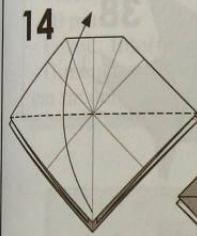
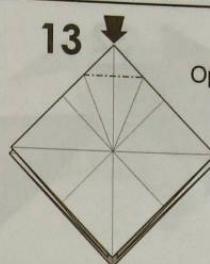
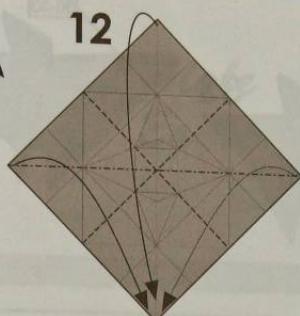
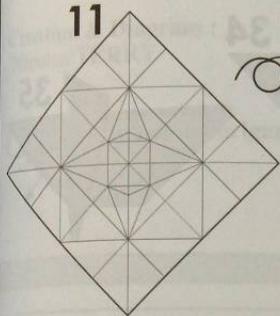
PIG

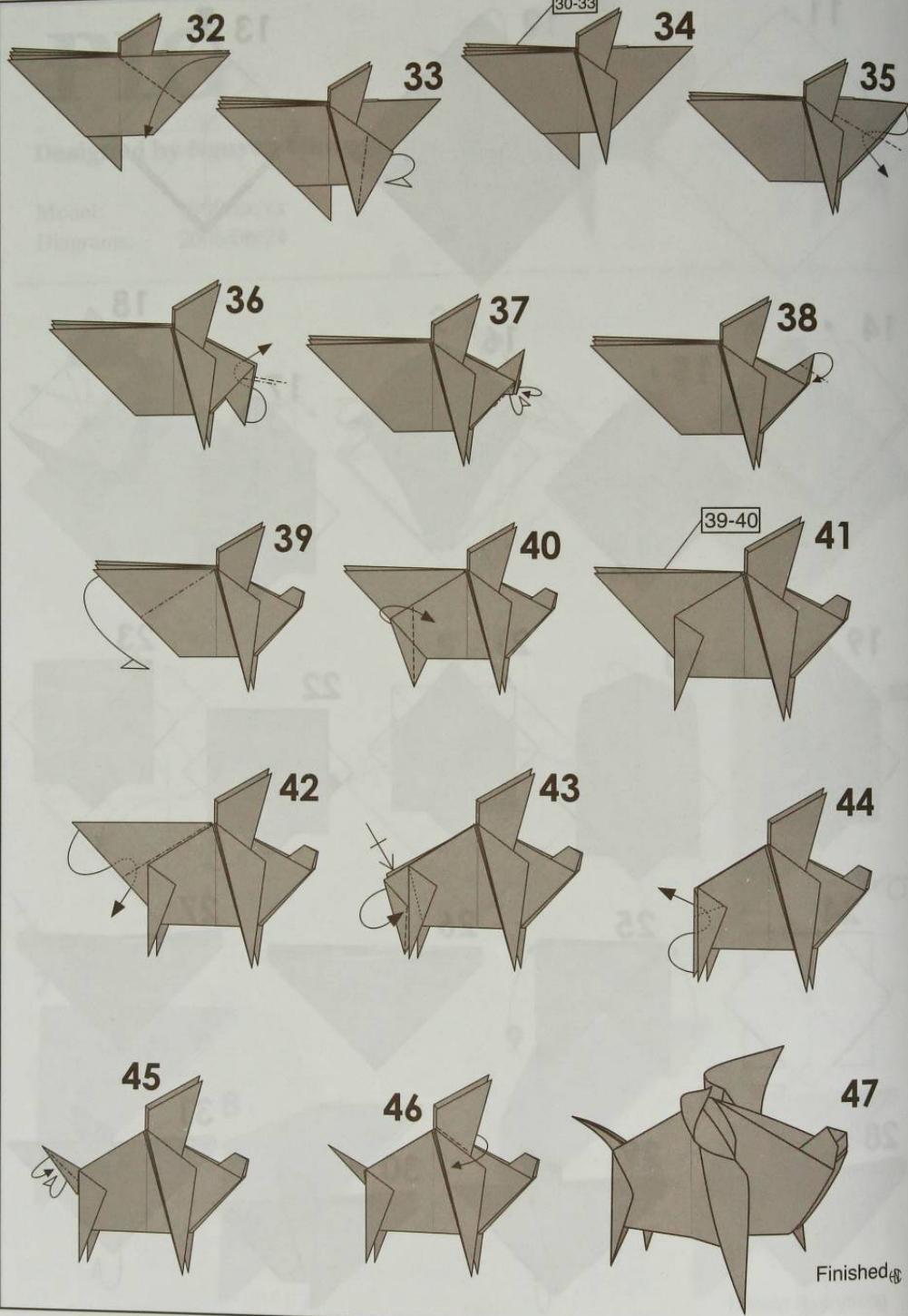
Designed by Nguyen Hung Cuong

Model: 1999/xx/xx

Diagrams: 2006/06/24



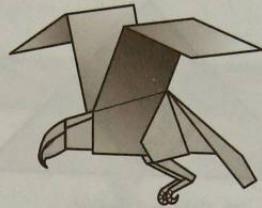




Creation & Diagram :
Nicolas TERRY

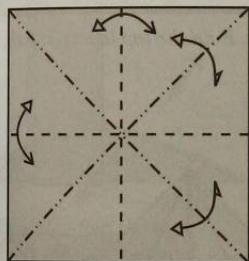
<http://www.passionorigami.com>

Aigle Eagle

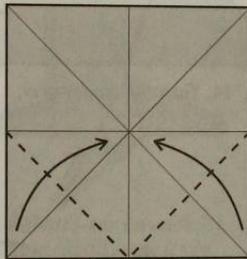


- Modèle # 82 - Dec 2005
- 30 mn
- Level : Intermediate
- Dimension : A 15 x 15 cm square makes a 6.5 x 12.5 cm model.

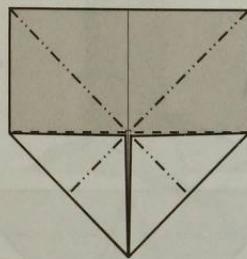
Paper :
 Standard paper
 Tissue-foil
 Wet folding



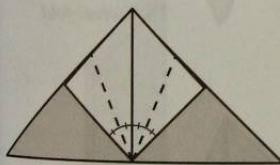
1. Fold and unfold a water bomb base, white side out.



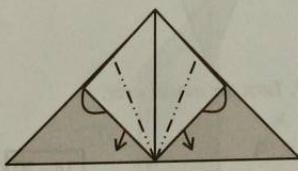
2. Valley-fold the corners.



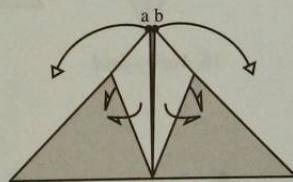
3. Re-fold as a water-bomb base.



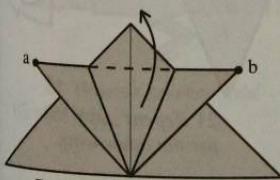
4. Fold along angle bisectors then unfold.



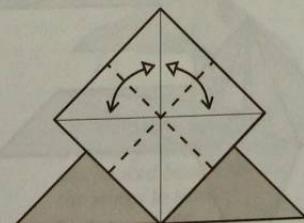
5. Reverse-folds.



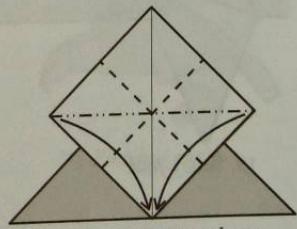
6. Pull out each flap to colour-change (Outside reverse-folds).



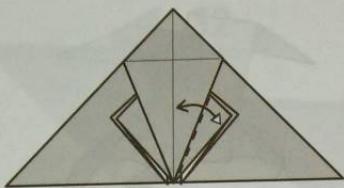
7. Open the flap.



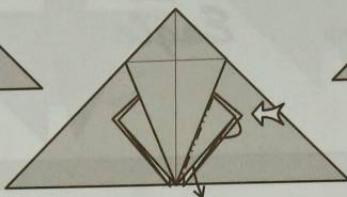
8. Fold and unfold the top layer.



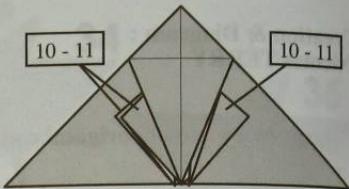
9. Fold a preliminary base.



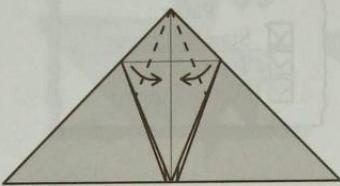
10. Fold and unfold.



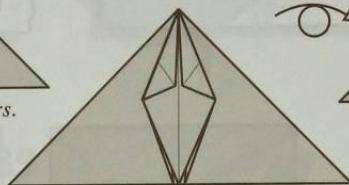
11. Reverse-fold.



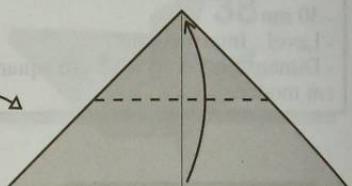
12. Repeat steps 10 to 11 for the 3 other flaps.



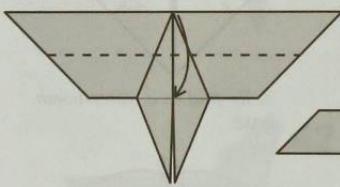
13. Fold along angle bisectors.



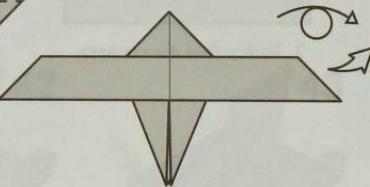
14. Turn the model over.



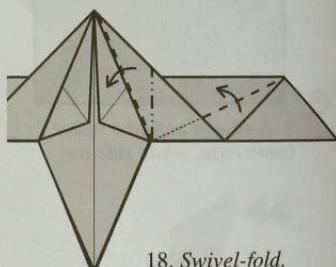
15. Fold the top layers in half.



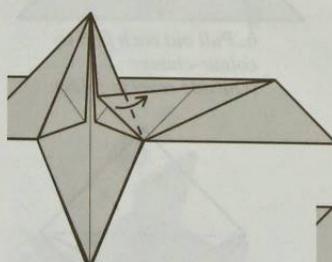
16. Valley-fold.



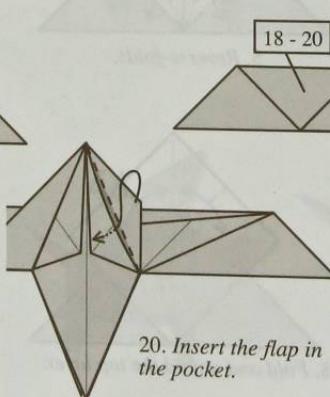
17. Turn the model over.



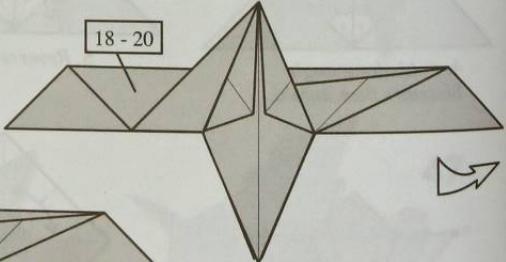
18. Swivel-fold.



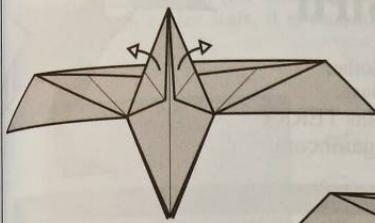
19. Valley-fold.



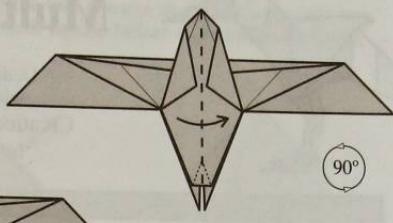
20. Insert the flap in the pocket.



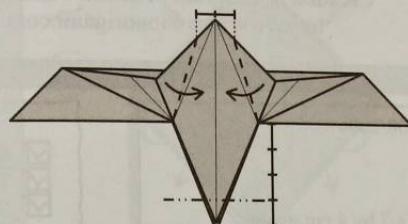
21. Repeat steps 18 to 20 for the other wing.



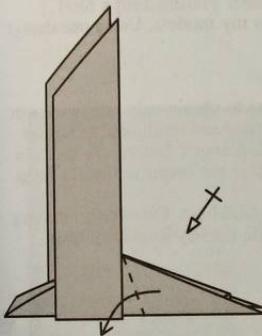
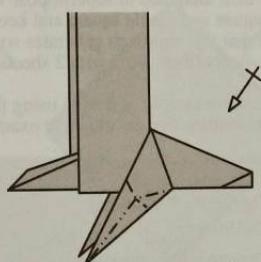
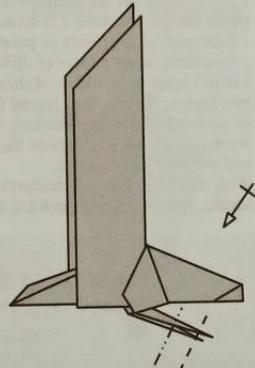
22. Unfold both flaps.



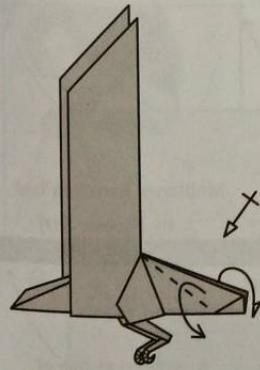
24. Valley-fold in half.



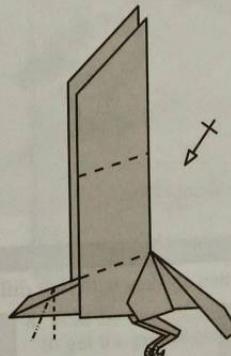
23. Fold the head flaps in. Mountain-fold the top layer of the tail.

25. Valley-fold the legs.
Check the next step for positioning.26. Rabbit's-ear on each leg
(Double rabbit's-ear if you want).

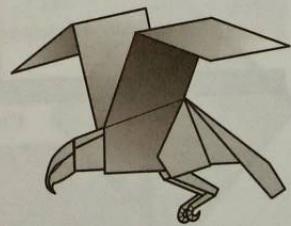
27. Shape each leg with mountain then valley-folds.



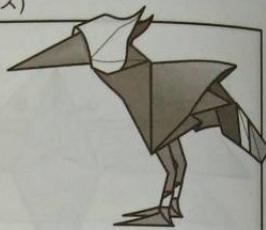
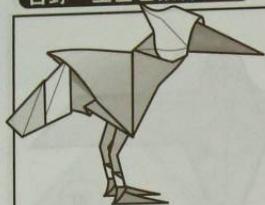
28. Outside reverse-fold the tail.



29. Shape the head with a crimp-fold. Don't forget the hooked beak! Shape the wings to taste.



30. Finished eagle.



Multilayers Bird

Dedicated to my Grand-mother
who teach me the Bird Base.

Creation & Diagram : Nicolas TERRY
<http://www.passionorigami.com>

- Crédation # 46 / Date : 08/2004
- 30 min
- Level : Simple
- Dimension (R= 0,35) :
A 20 cm square makes a 7 by 4 cm model.

- Paper :
- Standard paper
 - Tissue-foil
 - Wet folding

I got to work on the multilayers concept because I wanted to add many colours to my models. Using one sheet of paper brings of course 2 colours, one on each face. To have more colours, we can :

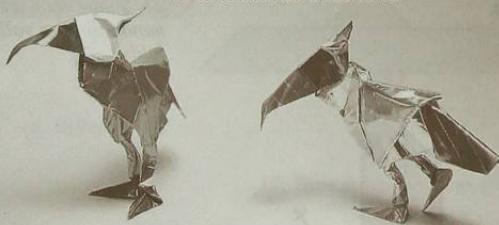
- Paint part of the paper, or paint the finished model.
- Assemble many papers of different colours : this is the modular concept.

I didn't want to go either of these ways. I then imagined to superimpose two squares to obtain only one square with two layers. We can then regard this new square as a single square and keep all the rules and traditional techniques of origami. What is interesting is the fact that this approach generates some new challenges. Indeed, we must now work on how we can expose the various colours (there are 4 with 2 sheets) and manage the layers during the design and the folding sequence.

With this bird, you can discover a multi-layers example of design using the classic bird base. Obviously, by adding sheets, you multiply the colours and the possibilities. See also an other example with the toad by Román Díaz. 88

The amazing courtship behaviour of the Polydermis nicolasus.

Recorded for the first time in their natural habitat,
the couple stands over a sheet of paper.
Note the indifference of the female while the male calls
for her attention with a ritual dance.



Text, folder and photographer : Román Díaz

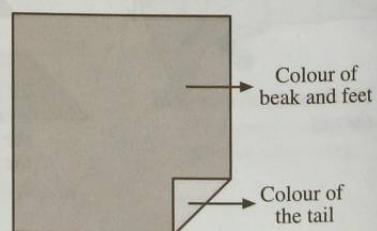
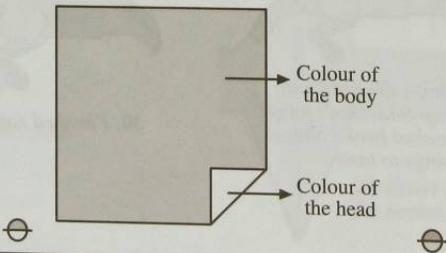


Original Model : Toad by Román Díaz

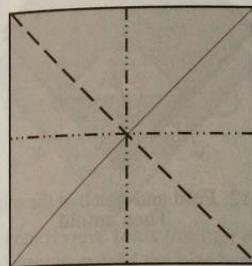


Multilayer Barcelona Toad
by Nicolas Terry

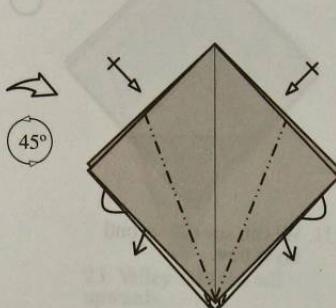
Choose two squares with four different colours.



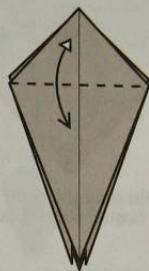
The multilayers concept [ou Multilayering] consists in folding the two squares as if they were only one. However, for an easier start, it is recommended to precrease each square before superimposing them.



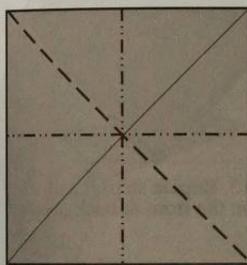
1. Fold a preliminary base.



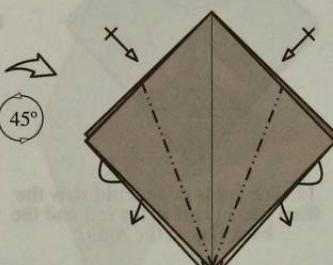
2. Four reverse folds.



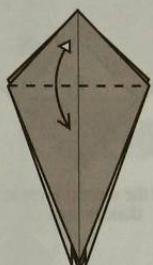
3. Fold and unfold. Then unfold the bird base completely.



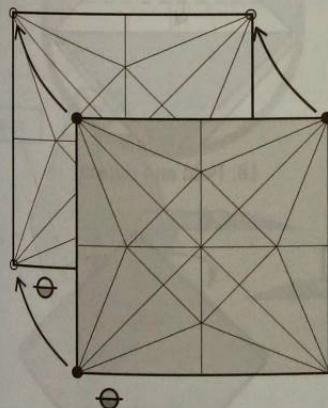
4. Fold a preliminary base.



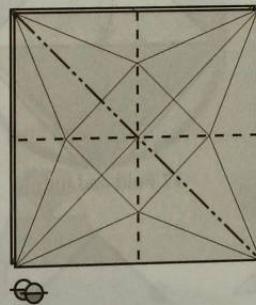
5. Four reverse folds.



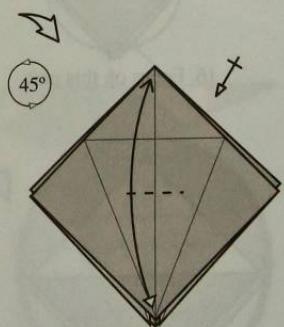
6. Fold and unfold. Then unfold the bird base completely.



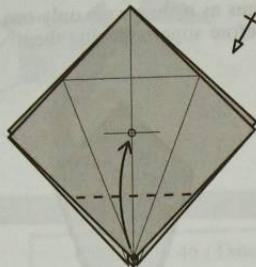
7. Superimpose the two squares while taking great care of colour positioning: place the colour of the body underneath and the colour of the tail on top.



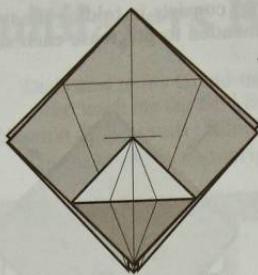
8. Fold the two squares together to get the preliminary base.



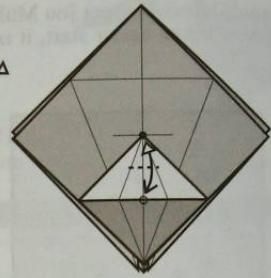
9. Fold the front layer to the top and pinch only at the middle. Then unfold. Repeat behind.



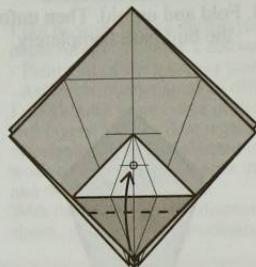
10. Fold only the front layer to the centre. Repeat behind.



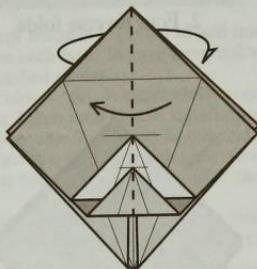
11. We can see the second layer now.



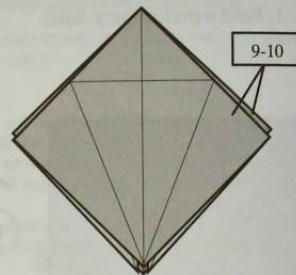
12. Fold and pinch at the middle. Then unfold.



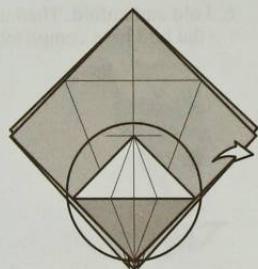
13. Fold the second layer to the mark done in step 12.



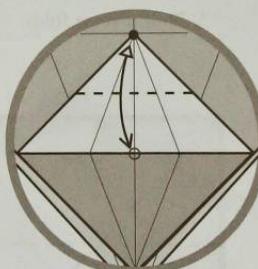
14. The tail is done. Fold now the front flap in half to the left and the back flap to the right.



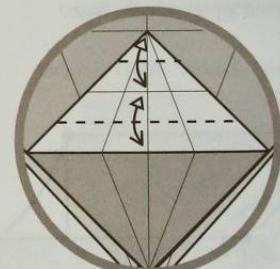
15. Repeat steps 9 and 10 on the front & back layers.



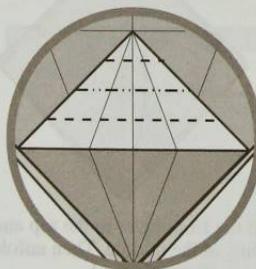
16. Focus on this part.



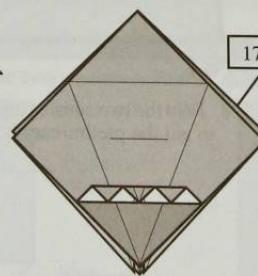
17. Fold and unfold.



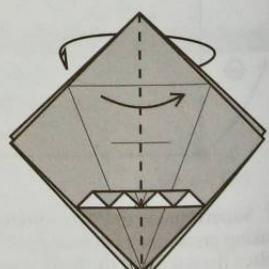
18. Fold and unfold.



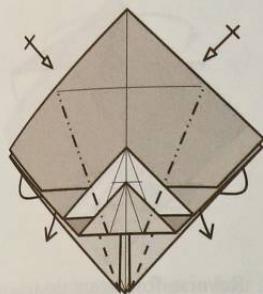
19. Pleat-folds.



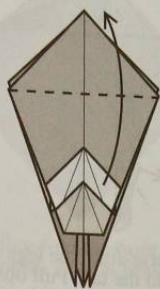
20. Repeat steps 17 to 19 behind.



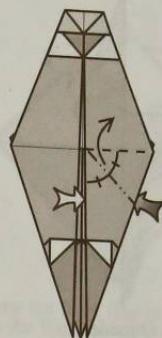
21. Fold now the front flap in half to the right and the flap behind to the left.



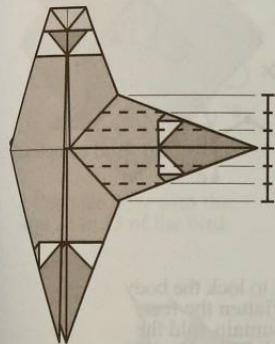
22. Four reverse folds through all the layers to re-fold the bird base.



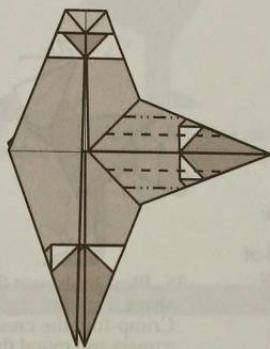
23. Valley-fold the tail upwards.



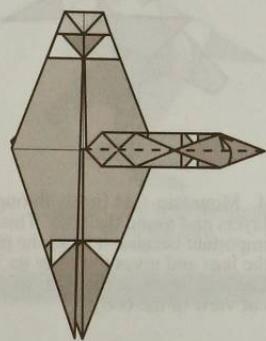
24. Squash-fold along angle bisector



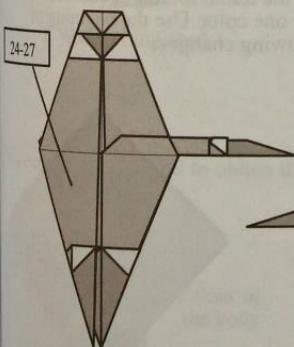
25. Fold in thirds each flap. Unfold.



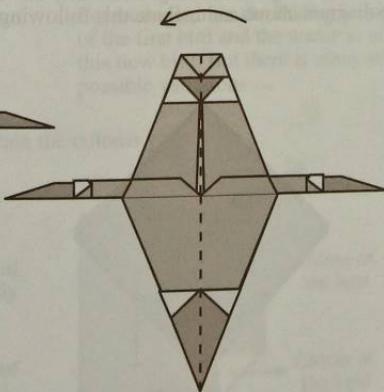
26. Pleat-fold each flap to thin the leg.



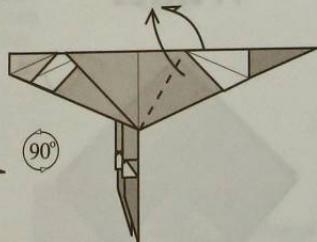
27. Valley-fold the leg to the top.



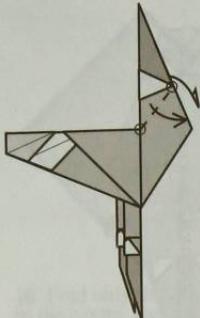
28. Repeat steps 24 and 27 on the left.



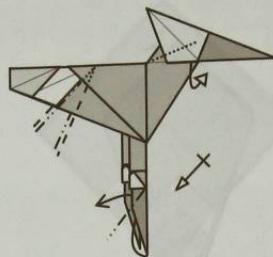
29. Fold the model in half to the left.



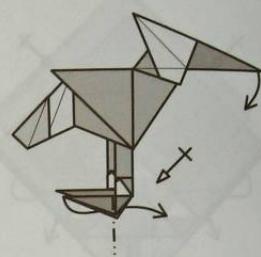
30. Outside reverse-fold for the neck



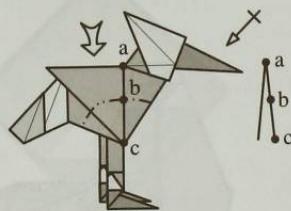
31. Outside reverse-fold.



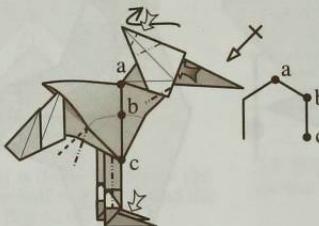
32. Reverse-fold the legs and crimp-fold the tail. Pull out the hidden flap for each side of the head.



33. Reverse-fold again the legs and pull down the beak.



34. Mountain-fold firmly through all the layers and round the body. This fold is important because it locks the pleat-fold of the legs and gives the body its 3D shape. The line figure on the right side shows a cut view of the body.



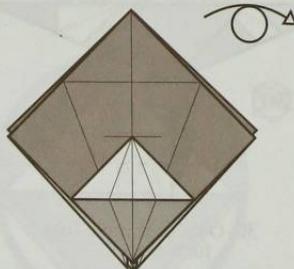
35. Pleat-folds near the tail to lock the body shape. Thin the legs and flatten the feet. Crimp-fold the crest. Mountain-fold the corners and round the head. Shape the body to taste..



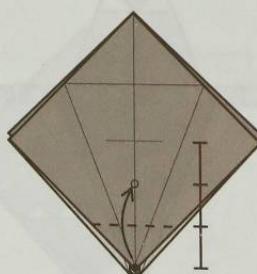
36. Bird completed

Multilayer Wader

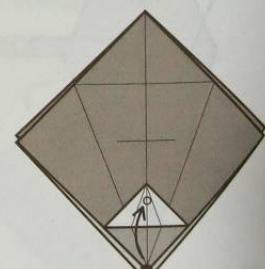
With the multilayer concept, we can have many variations. Here a example where with a small variation in the initial folding sequence, we can create wings and the legs have only one color. Use the begining of the diagram above and include this following changes:



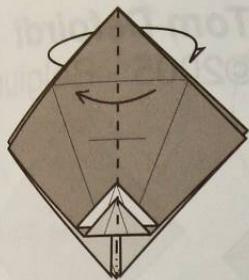
a. Fold the steps 1 to 11 of the bird.
Turn over the model.



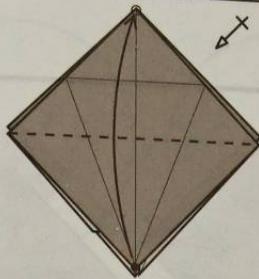
b. Fold only the front layer to the centre.



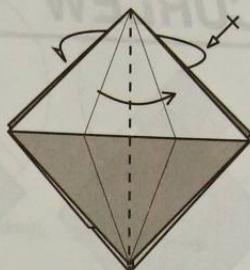
c. Fold the second layer



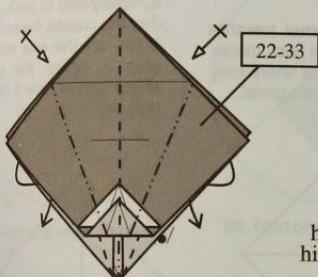
d. Fold now the front flap in half left and the flap behind to the right.



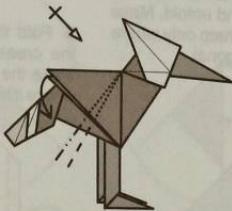
e. Valley-fold the front flap upwards. Repeat behind.



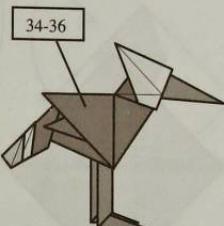
f. Fold now the front flap in half to the left and the flap behind to the right.



g. Continue now with the steps 22 to 33 of the bird.



h. You should get this. Pull out the hidden wings with a pleat-fold inside.



i. Continue now with the steps 34 to 36 of the bird.



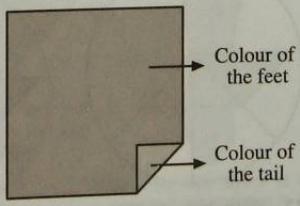
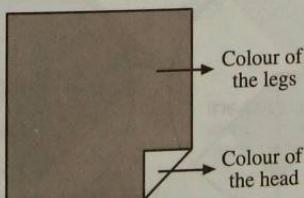
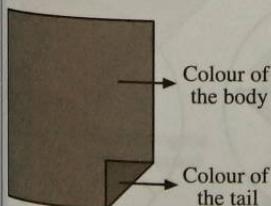
J. Wader completed.

Others variations

Challenge : Add a third layer now and let guide itself by your imagination to create new birds more coloured even. For example, mix the folding sequences of the first bird and the wader to obtain this new bird. But there is many other possible variations ...

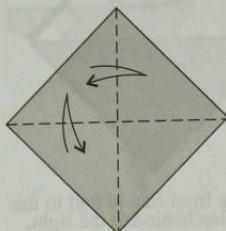


You can make tissue-foil to obtain the colours you wish.:

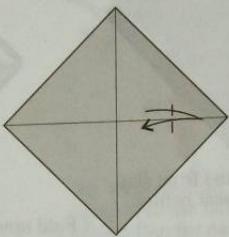


CURLEW

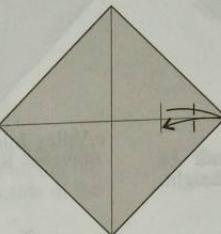
Tom Defoirdt
©2005 - Belgium



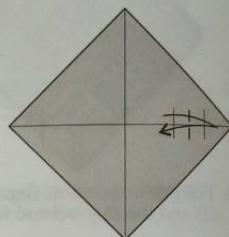
1. Fold and unfold along the diagonals.



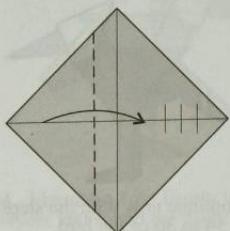
2. Fold the corner towards the center and unfold. Make the crease sharp only where it hits the diagonal.



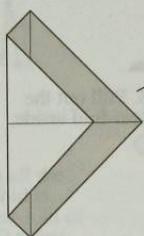
3. Fold the corner towards the crease you just made. Make the crease sharp only where it hits the diagonal.



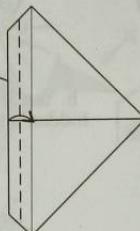
4. Valley-fold in such a way that the crease made in step 3 lies on the one made in step 2. Make the crease sharp only where it hits the diagonal and unfold.



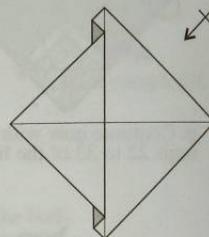
5. Fold the corner to the crease made in step 4.



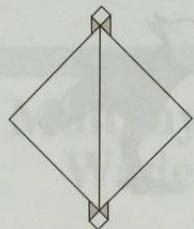
6. Turn over.



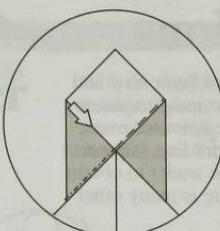
7. Fold the edge towards the center line, meanwhile bringing the left corner to the front.



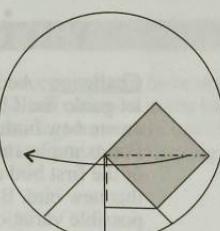
8. Repeat steps 2-7 at the right.



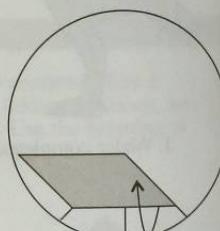
9. Like this.



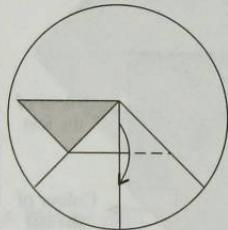
10. Enlarged view. Reverse-fold as indicated.



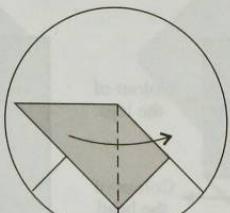
11. Squash-fold.



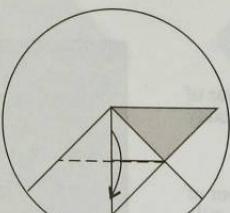
12. Bring one layer to the front.



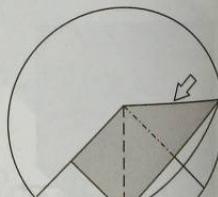
13. Valley-fold down one layer.



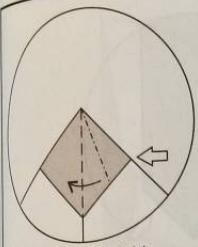
14. Fold the flap to the right.



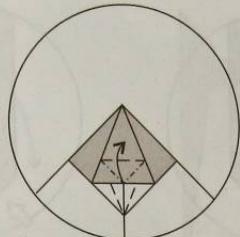
15. Valley-fold down one layer.



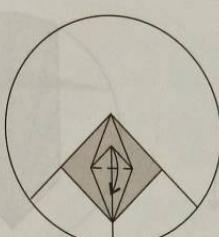
16. Squash-fold.



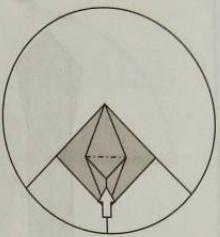
17. Squash-fold.



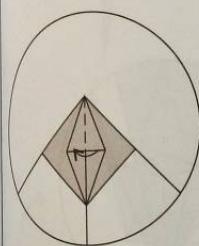
18. Petal-fold.



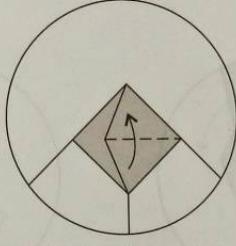
19. Fold the little flap down.



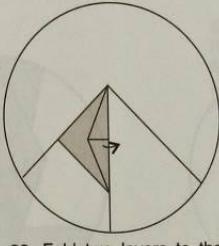
20. Sink the flap.



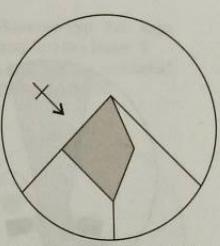
21. Fold one layer to the left in front.



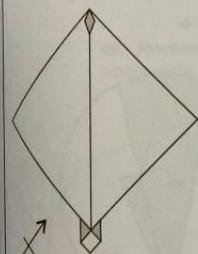
22. Fold one flap upwards.



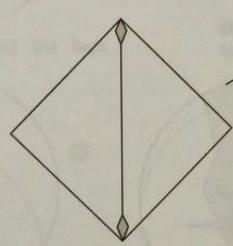
23. Fold two layers to the right.



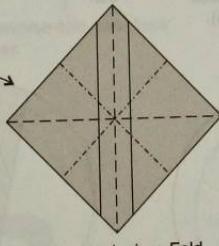
24. Repeat steps 17-23 at the left.



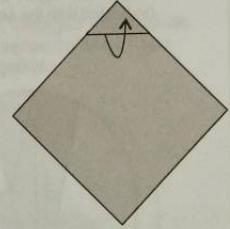
25. Repeat steps 10-24 at the bottom.



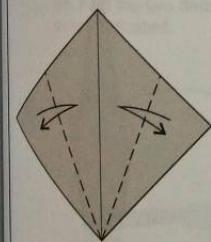
26. Like this. Turn over.



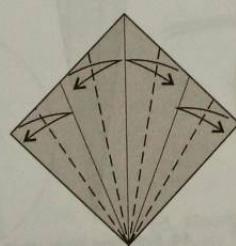
27. Enlarged view. Fold a preliminary base with the extra layers in the middle.



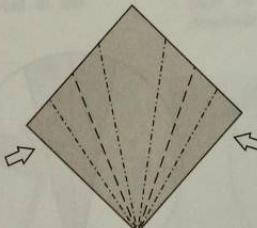
28. Enlarged view. Release the trapped layer. Repeat behind.



29. Fold and unfold along the angle bisectors. Repeat behind.



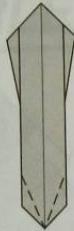
30. Fold and unfold along the angle bisectors. Repeat behind.



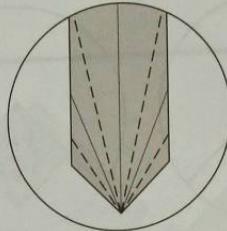
31. Open sink in and out along the creases you just made. Repeat behind.



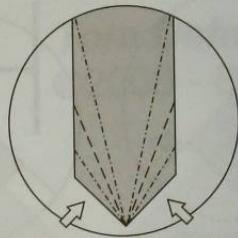
32. Fold two layers to the right in front and two to the left behind.



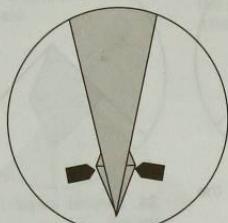
33. Fold and unfold along the angle bisectors. Repeat behind.



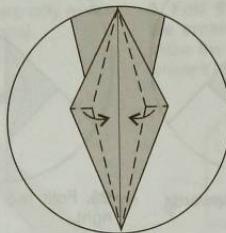
34. Enlarged view. Fold and unfold along the angle bisectors. Repeat behind.



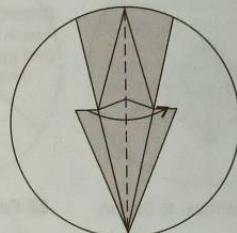
35. Open sink in and out on the creases you just made. Repeat behind.



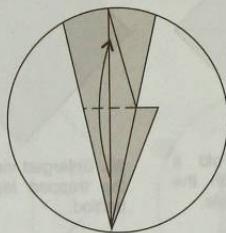
36. Like this. Next steps will focus on the small flaps which will form the toes (indicated with the arrows).



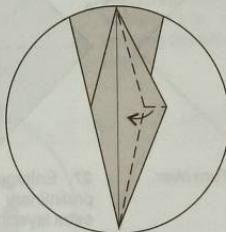
37. Enlarged view from the inside of the model. Rabbit ear.



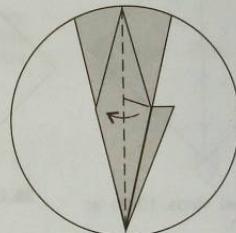
38. Fold two layers to the right.



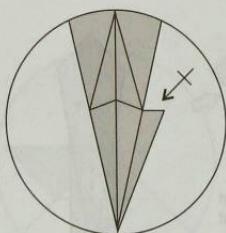
39. Fold one layer upwards.



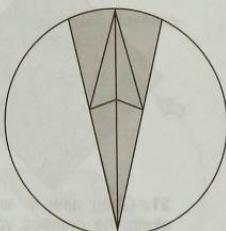
40. Rabbit ear.



41. Fold the layers back to the left.



42. Repeat steps 38-41 at the right.



43. Like this. Repeat steps 37-42 at the other flap.



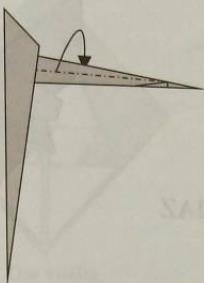
44. Fold one layer up in front as far as possible. Repeat behind.



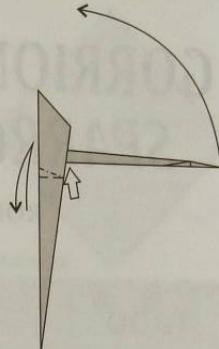
45. Fold the model in half.



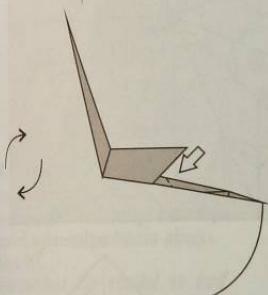
46. Reverse-fold the legs.



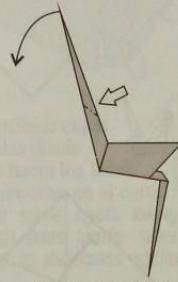
47. Mountain-fold the legs in half.



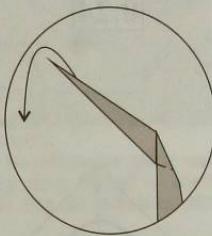
48. Reverse-fold the legs. Reverse-fold the lower 2 flaps together as indicated. Rotate the model 90°.



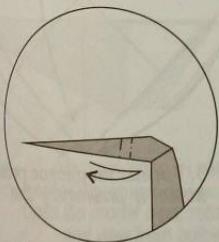
49. Reverse-fold the legs downwards.



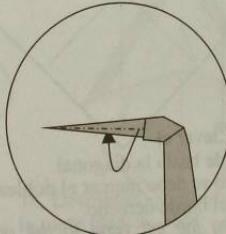
50. Reverse-fold two flaps together.



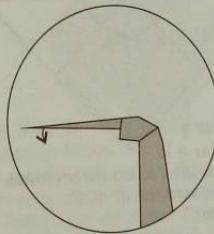
51. Enlarged view. Outside reverse-fold two flaps together.



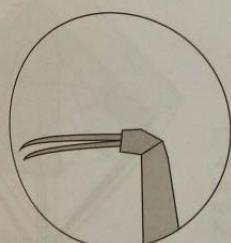
52. Fold the two flaps in and out as indicated.



53. Mountain-fold the beak in half (squash-fold at the base).



54. Round the beak and slide the lower jaw slightly downwards to open it.



55. Like this.



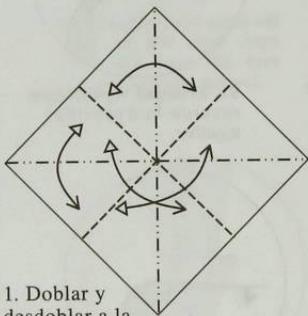
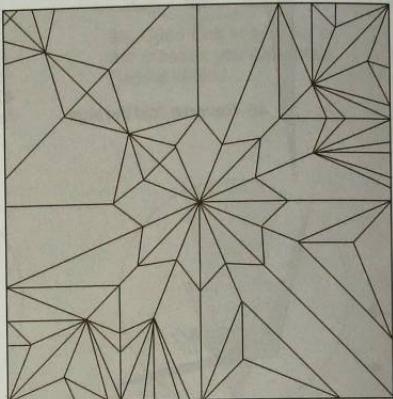
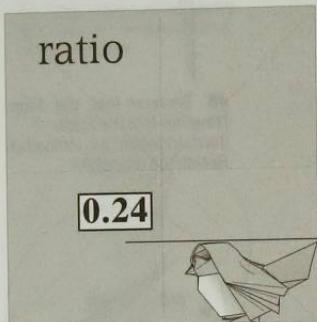
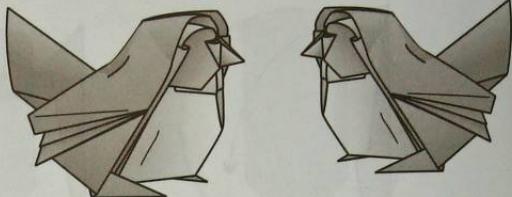
56. Mountain-fold to shape the body. Spread the toes: three in front and one (the thickest one) behind.



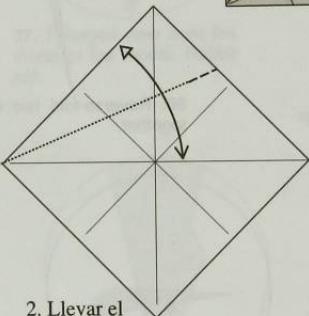
57. Finished curlew.
Model: Tom Defoirdt, 2005
Diagrams: Tom Defoirdt, 2005
[Http://users.skynet.be/tomsorigami](http://users.skynet.be/tomsorigami)

GORRION SPARROW

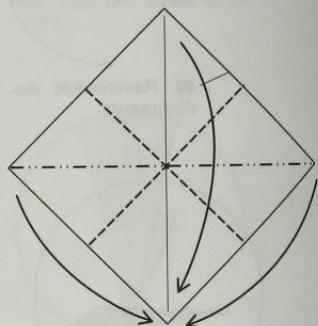
ROMAN DIAZ



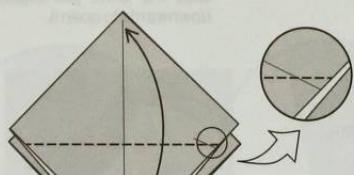
1. Doblar y desdoblar a la mitad en las cuatro direcciones.
Fold and unfold in half as shown.



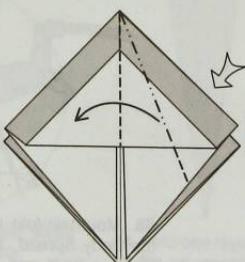
2. Llevar el borde hasta la diagonal.
Sólo se debe marcar el doblez en el borde derecho.
Bring the left edge to the diagonal.
Pinch only on the right edge.



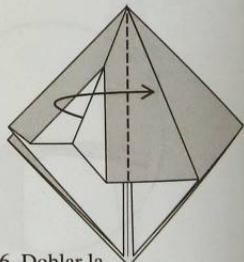
3. Formar un pliegue preliminar.
Make a preliminary fold.



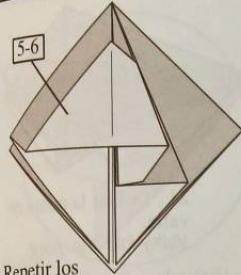
4. Doblar una punta hacia arriba.
El doblez debe estar un par de mm por encima de la marca del paso 3.
Fold one point up. The crease should be a couple mm above the mark of step 3.



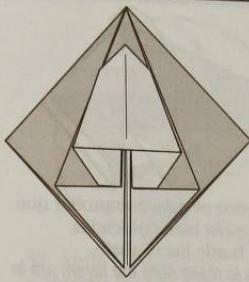
5. Abrir y aplastar una aleta.
Squash-fold a flap.



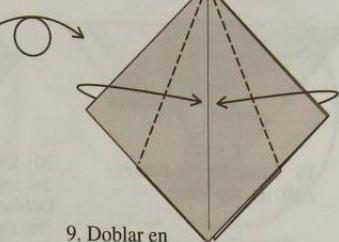
6. Doblar la aleta hacia la derecha.
Fold the flap to the right.



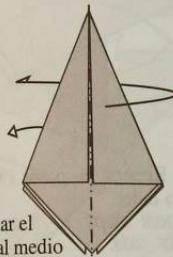
7. Repetir los pasos 5-6 del lado izquierdo.
Repeat steps 5-6 on the left side.



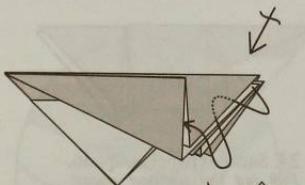
8. Dar vuelta.
Turn over.



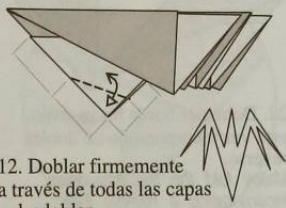
9. Doblar en valle las dos aletas hacia el centro.
Valley-fold the flaps on both sides to the centre.



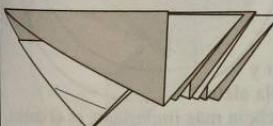
10. Doblar el modelo al medio en monte de manera que la capa central sobresalga hacia abajo. Rotar 90°.
Mountain-fold the model in half so that the central colour-changed layer sticks out from below. Rotate 90°.



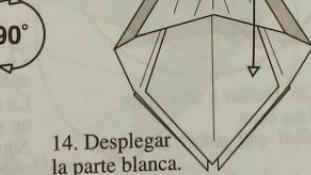
11. Redistributions capas llevándolas desde el centro hacia los lados como se muestra en el corte.
Rearrange some layers taking the central ones to the sides as shown in the cross section.



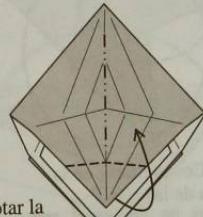
12. Doblar firmemente a través de todas las capas y desdoblar.
Usar las referencias que se muestran. Crease firmly through all layers and unfold. Use the references shown.



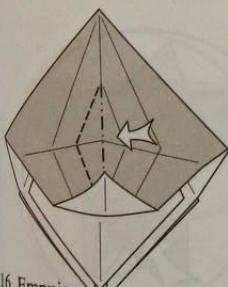
13. Abrir un poco el modelo, rotar 90° y mirar desde abajo. Open the model a bit, rotate 90° and view from below.



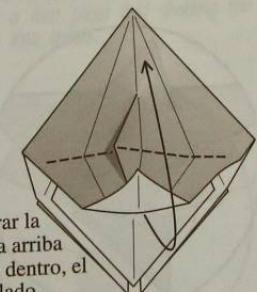
14. Desplegar la parte blanca. Unfold the white part.



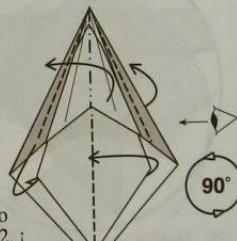
15. Notar la marca en forma de rombo que resultó del paso 12. Levantar la punta donde comienza la marca pero no doblar firmemente. Note the diamond shaped crease which resulted from step 12. Lift the point up where the diamond starts, but don't fold it.



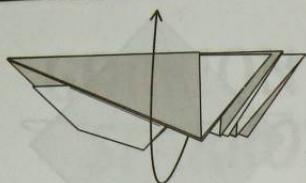
16. Empujar el rombo hacia un lado... Push the little diamond to one side...



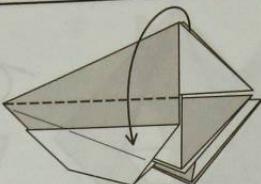
17. ...y cerrar la aleta hacia arriba incluyendo dentro, el rombo doblado. Notar que la punta del paso 15 no quedará dobrada.
...and close up the flap including the folded diamond inside. Note the point lifted in step 15 will not remain folded.



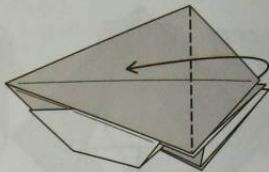
18. Volver a colocar el modelo como en el paso 12. i Revisar que las capas estén como en el corte! Arrange the model as in step 12. Remember to check the cross section!



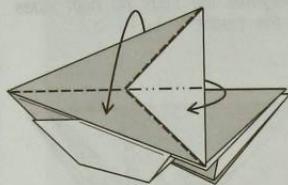
19 . Levantar dos bordes.
Fold up two flaps.



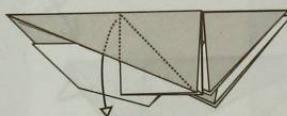
20 . Este paso es para comprobar que las capas están bien colocadas.
Doblar un borde hacia abajo.
This step is to make sure the layers are in the right place. Fold one edge down.



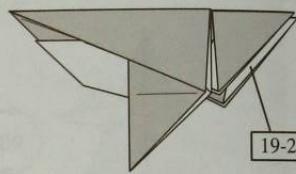
21 . Doblar la punta en valle.
Valley-fold the point.



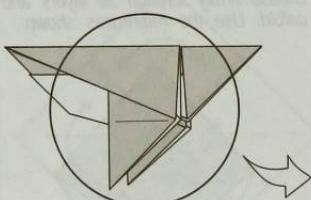
22. Doblar el borde hacia abajo,
esta vez incorporando un doblez
reverso.
*Valley fold the the flap down,
incorporating a reverse fold.*



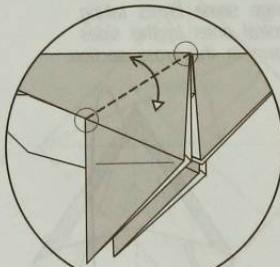
23. Sacar el papel atrapado.
Pull out the trapped paper.



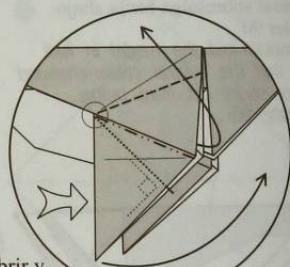
24. Repetir los pasos 19-23 del otro lado.
Repeat steps 19-23 on the other side.



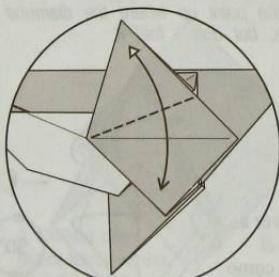
25. Concentrarse en la
zona de las alas.
*Focus on the wings and
feet.*



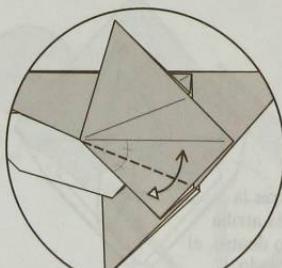
26. Doblar y desdoblar
una capa.
Fold and unfold one layer.



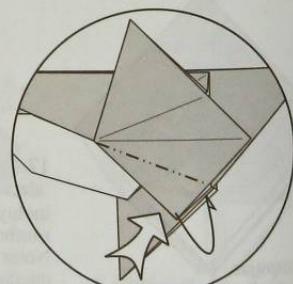
27. Abrir y
aplastar la aleta.
La referencia más importante es el doblez
en monte que corre a lo largo de un borde.
*Squash-fold the flap. The most important
reference is the mountain fold that lies
along an edge.*



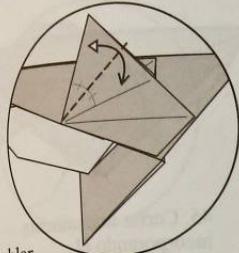
28 . Doblar y desdoblar marcando
con cuidado la "bisagra" de la aleta.
*Fold and unfold taking care to crease
the flap where it hinges.*



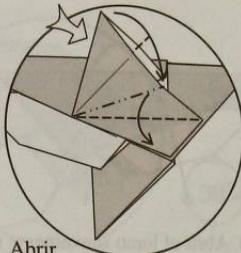
29 . Doblar y desdoblar marcando la
bisectriz del ángulo.
Fold and unfold marking the angle bisector.



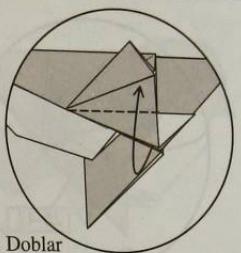
30. Revertir la esquina.
Reverse-fold the corner.



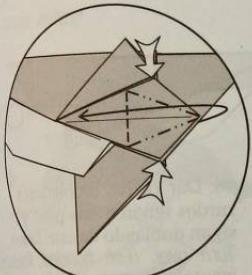
31. Doblar la bisectriz del ángulo y desdoblar.
Fold the angle bisector and unfold.



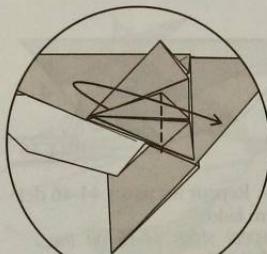
32. Abrir y aplastar la aleta. Observar las marcas que se usan.
Squash-fold the flap. Note the crease lines to use.



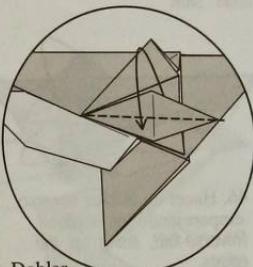
33. Doblar en valle subiendo un borde.
Valley-fold one flap up.



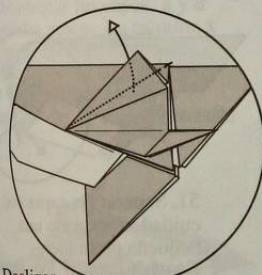
34. Doblar en pétalo.
Petal-fold the flap.



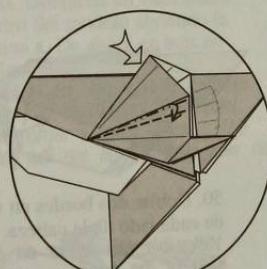
35. Doblar la aleta en valle hacia la derecha.
Valley-fold the flap to the right.



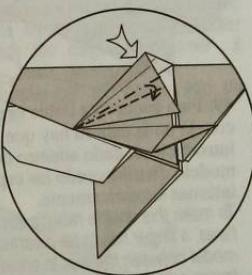
36. Doblar un borde en valle hacia abajo.
Fold the top flap down.



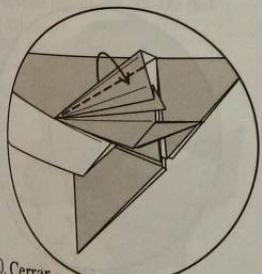
37. Deslizar papel hacia arriba utilizando la marca del paso 26.
Slide some paper upwards using the crease line from step 26.



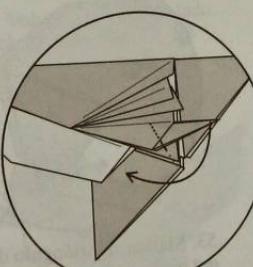
38. Hacer un doble escalonado dividiendo el ángulo en tercios...
Make a thin pleat fold dividing the angle into thirds...



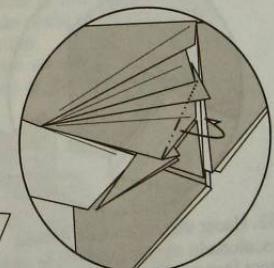
39. ... y otro del mismo ancho.
...and another one the same size.



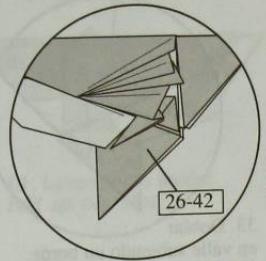
40. Cerrar la franja de papel sobrante sobre el ala.
Close the remaining strip of paper over the wing.



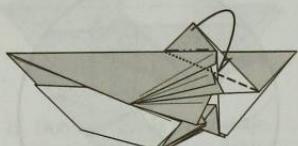
41. Revertir la pata hacia abajo.
Reverse-fold the foot down.



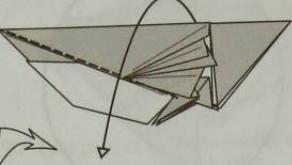
42. Deslizar una fina franja hacia adentro.
Slide a narrow strip in.



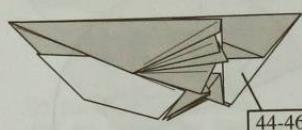
43. Repetir los pasos 26-42 del otro lado.
Repeat steps 26-42 on the other side.



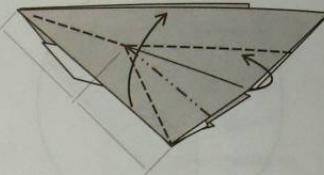
46. Hacer un doblez reverso emparejando los bordes.
Reverse-fold, lining up the edges.



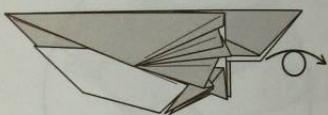
44. Abrir el lomo suavemente sin marcar dobleces.
Open the back gently trying not to leave crease marks.



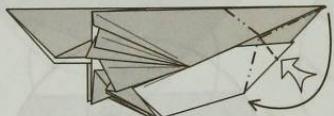
47. Repetir los pasos 44-46 del otro lado.
Repeat steps 44-46 on the other side.



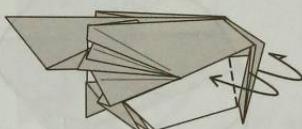
45. Cerrar nuevamente incorporando el doblez reverso que se muestra.
Close it up again incorporating the reverse-fold shown.



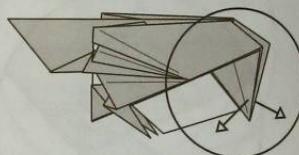
48. Dar vuelta. (dobladores
zurdos ignoren este paso y
sigan dobrando de este lado)
Turn over. (Left handed folders
ignore this step and keep
folding on this side)



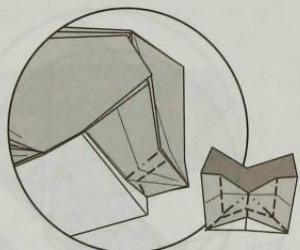
49. Para hacer esta doble oreja de conejo en la cabeza hay que introducir un dedo adentro del modelo distribuyendo las capas internas simétricamente.
To make this double rabbit's ear on the head, a finger has to be inserted into the model between the feet to arrange the layers symmetrically.



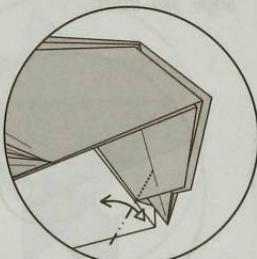
50. Doblar dos bordes en valle de cada lado de la cabeza.
Valley-fold two layers on each side of the head.



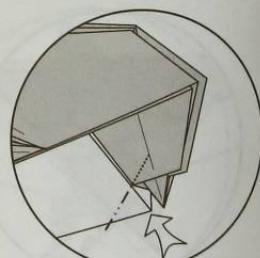
51. Separar las capas con cuidado formando una pequeña pirámide.
Carefully spread the layers to form a small pyramid.



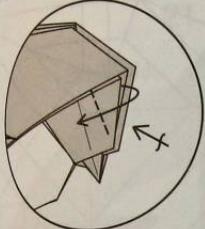
52. Hacer una especie de doblez escalonado en tres lados de la pirámide para formar el pico.
Make a kind of symmetrical crimp on three sides of the pyramid to form the beak.



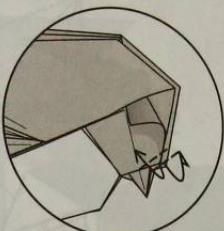
53. Marcar un triángulo debajo del pico...
Crease a triangle just under the beak...



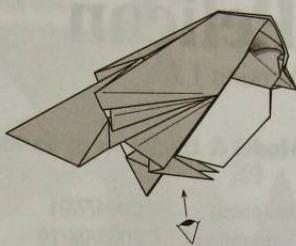
54. ...y hundirlo cerrado.
...and closed-sink it.



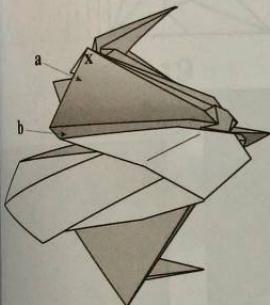
55. Enrollar un borde para formar el ojo.
Repetir detrás.
Roll up an edge to form the eye.
Repeat behind.



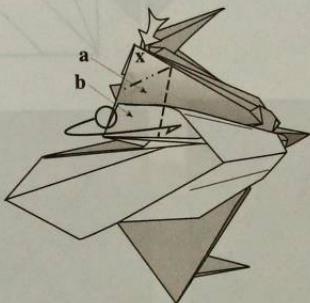
56. Doblar en valle dos pequeñas esquinas.
Rotar un poco.
Valley-fold the two little corners.
Rotate a bit.



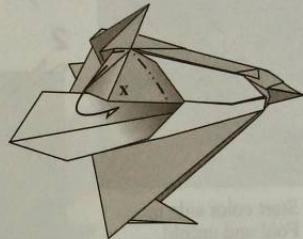
57. Mirar el modelo desde abajo.
Look from underneath.



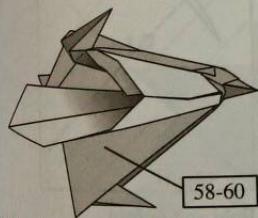
58. Identificar las capas **a** y **b** y tomarlas juntas. La esquina **x** servirá de referencia visual.
Identify layers **a** and **b** and take them together. The **x** corner will be a visual reference



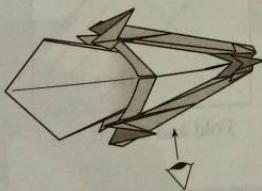
59. Las capas **a** y **b** están ahora juntas. Doblarlas en valle hacia adentro del modelo abriendo la esquina **x**. De ahora en más no quedará plano.
*Layers **a** and **b** are now together. Valley fold them into the model while corner **x** gets opened. The model will not lie flat from now on.*



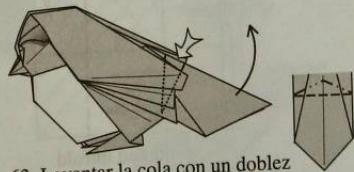
60. Notar que **a** y **b** están ocultas dentro del modelo y que la esquina **x** ha quedado abierta. Doblar la esquina en monte hacia adentro.
*Note layers **a** and **b** are hidden inside the model and corner **x** has been opened. Mountain-fold the corner into the model.*



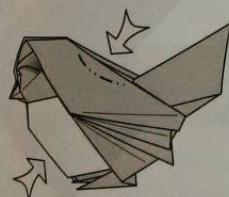
61. Repetir los pasos 58-60 del otro lado.
Repeat steps 58-60 on the other side.



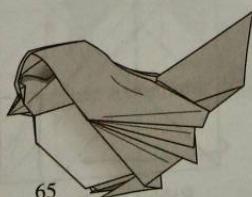
62. Volver a la vista de lado.
Back to side view.



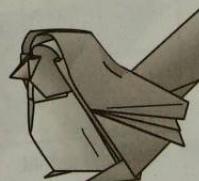
63. Levantar la cola con un doblez escalonado como se muestra en la vista auxiliar.
Lift the tail up with a crimp-fold like shown in the auxiliary view.



64. Redondear a gusto.
Round to taste.



65



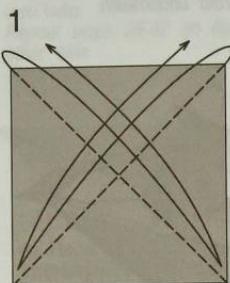
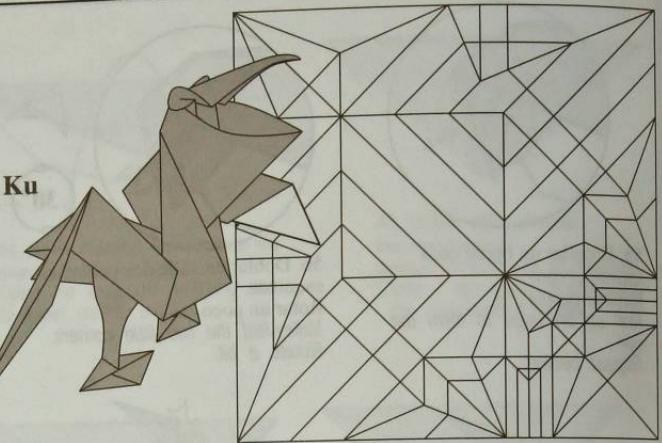
Pelican

Version 1.2

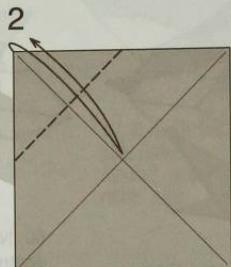
Model & Diagrams by Jason Ku

Designed: ©2004/7/01

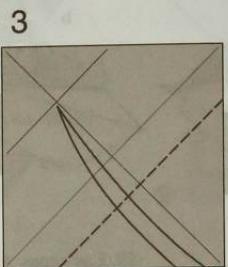
Diagrammed: ©2005/08/19



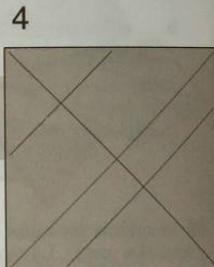
Start color side up.
Fold and unfold.



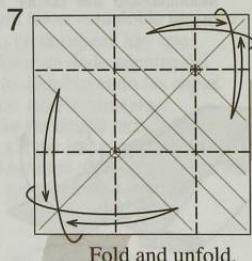
Fold and unfold.



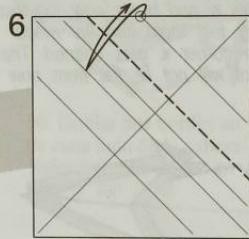
Fold and unfold.



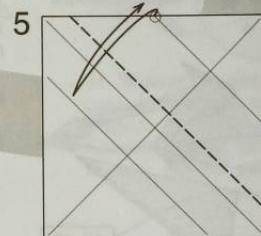
Turn over.



Fold and unfold.



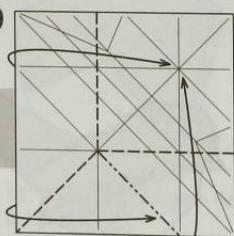
Fold and unfold.



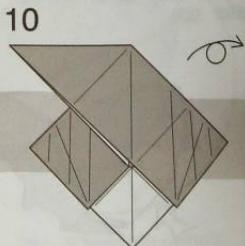
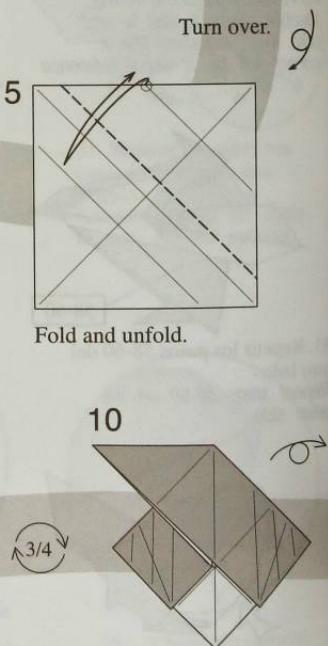
Fold and unfold.



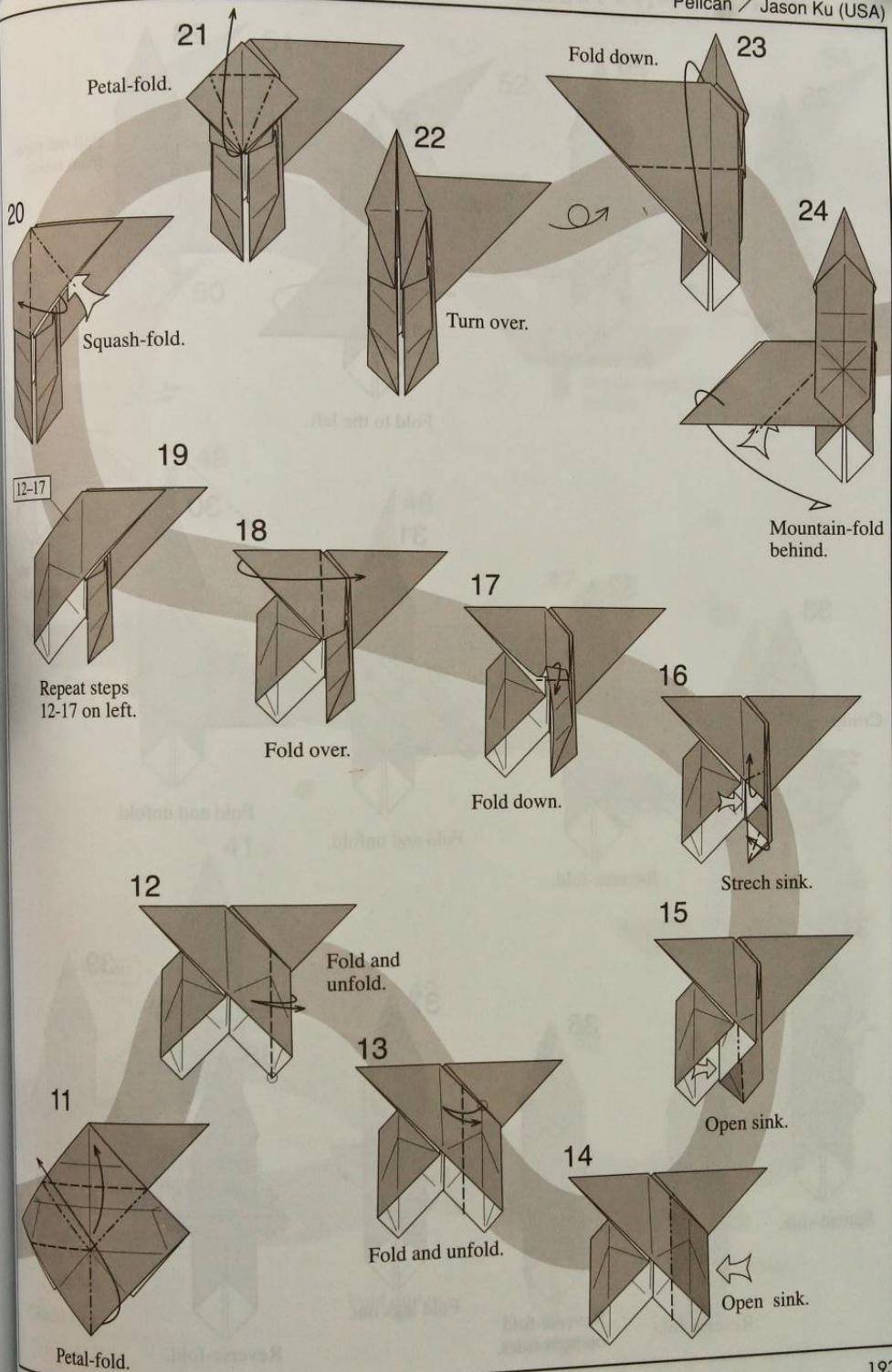
Fold and unfold.



Rabbit-ear. Rotate.

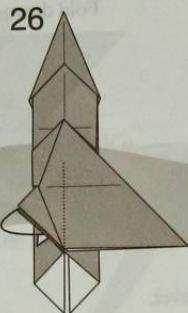


Turn over.

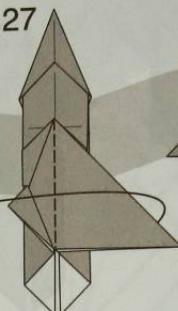




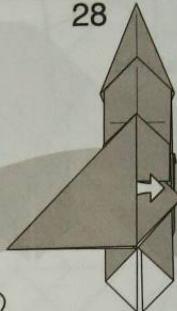
Squash-fold.



Reverse-fold.



Fold to the left.



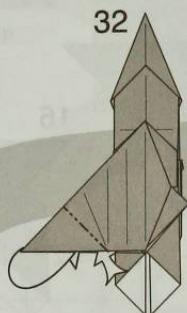
Pull out paper
from inside.



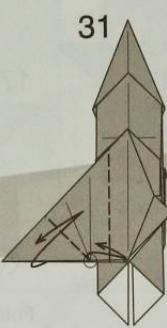
Fold and
unfold.



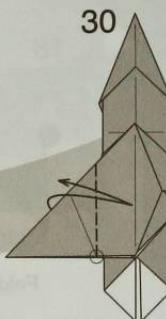
Crimp.



Reverse-fold.



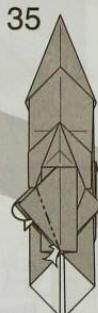
Fold and unfold.



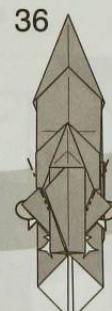
Fold and unfold.



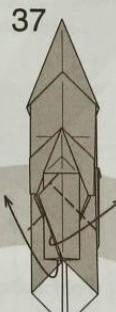
Spread-sink.



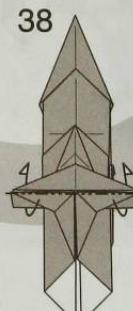
Reverse-fold.



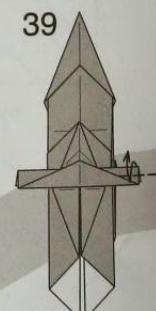
Reverse-fold
on both sides.



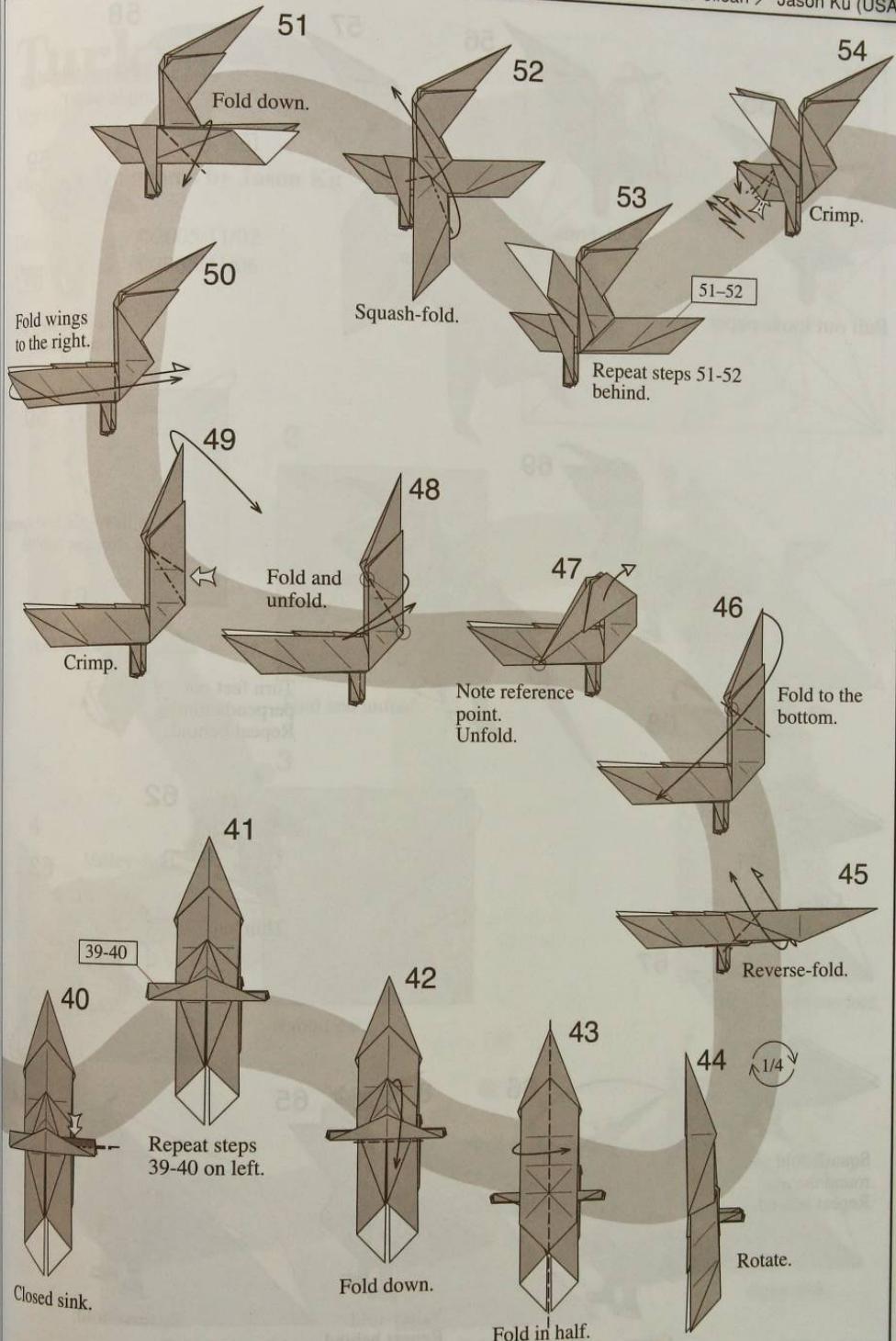
Fold legs out.

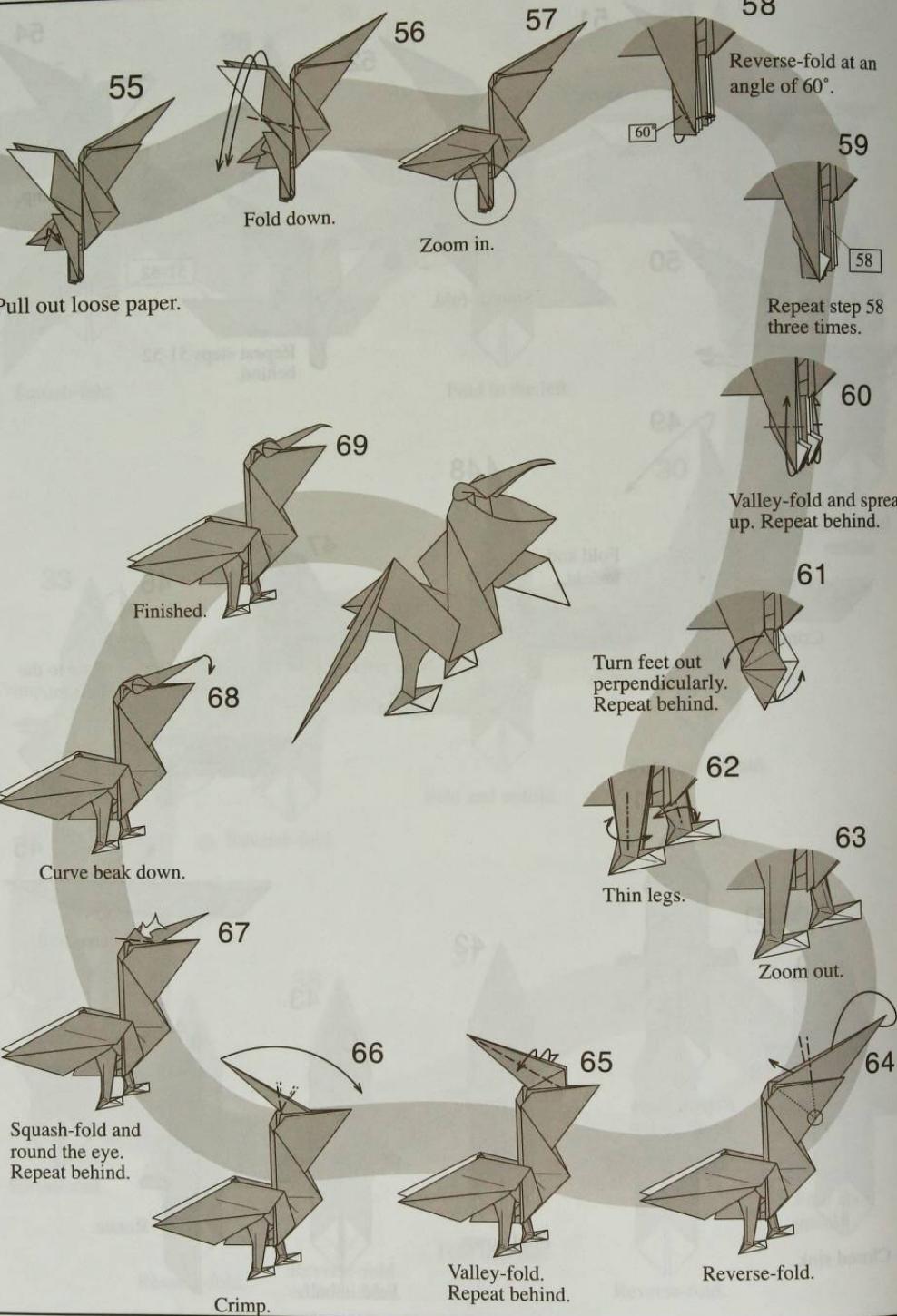


Reverse-fold.



Fold and
unfold.





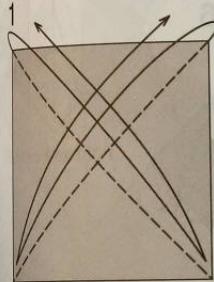
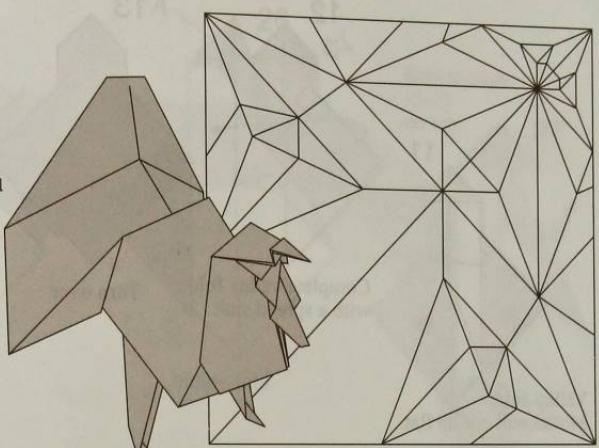
Turkey

Version 1.1

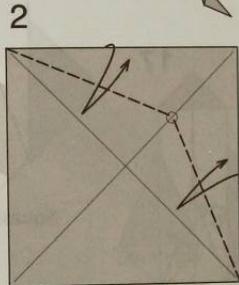
Model & Diagrams by Jason Ku

Designed: ©2005/11/02

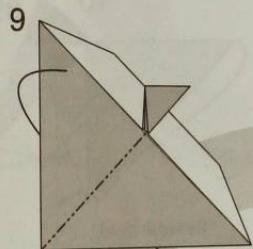
Diagrammed: ©2005/11/06



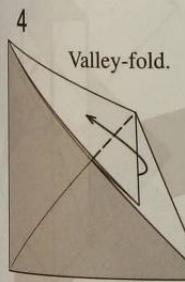
Start color side up.
Fold and unfold.



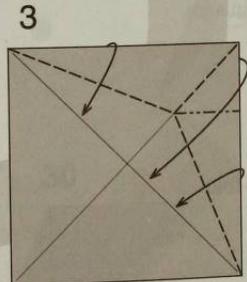
Fold and unfold.



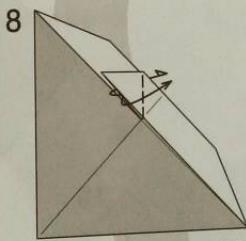
Mountain-fold.
Rotate 45 degrees.



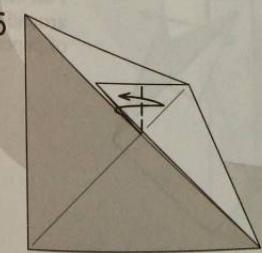
Valley-fold.



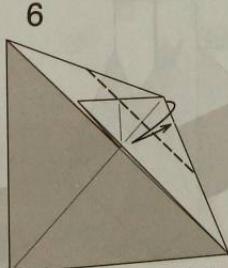
Rabbit-ear.



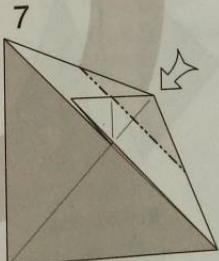
Outside reverse-fold.



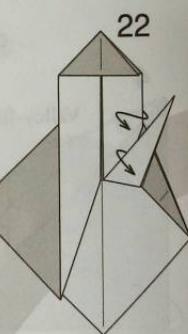
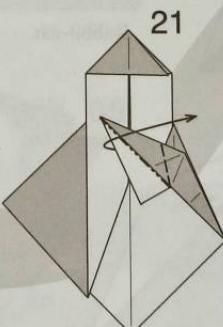
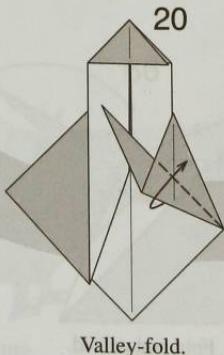
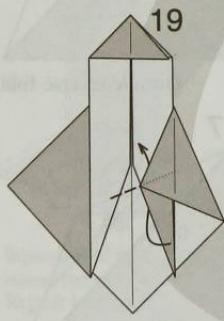
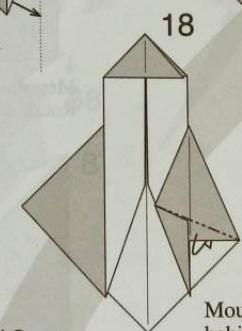
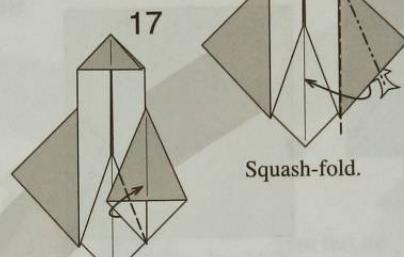
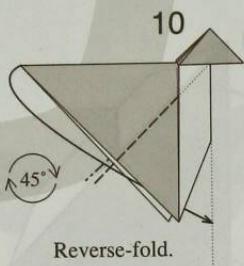
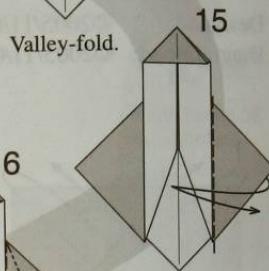
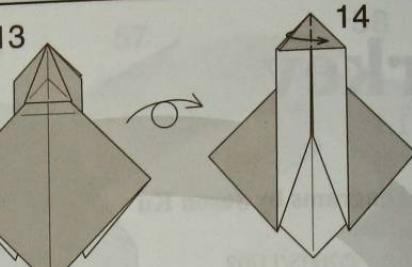
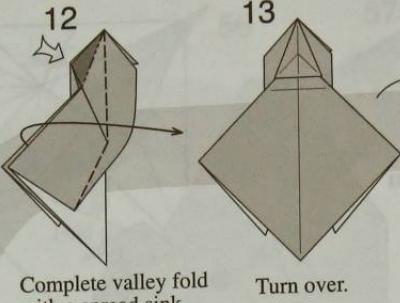
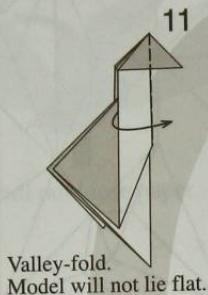
Fold and unfold.

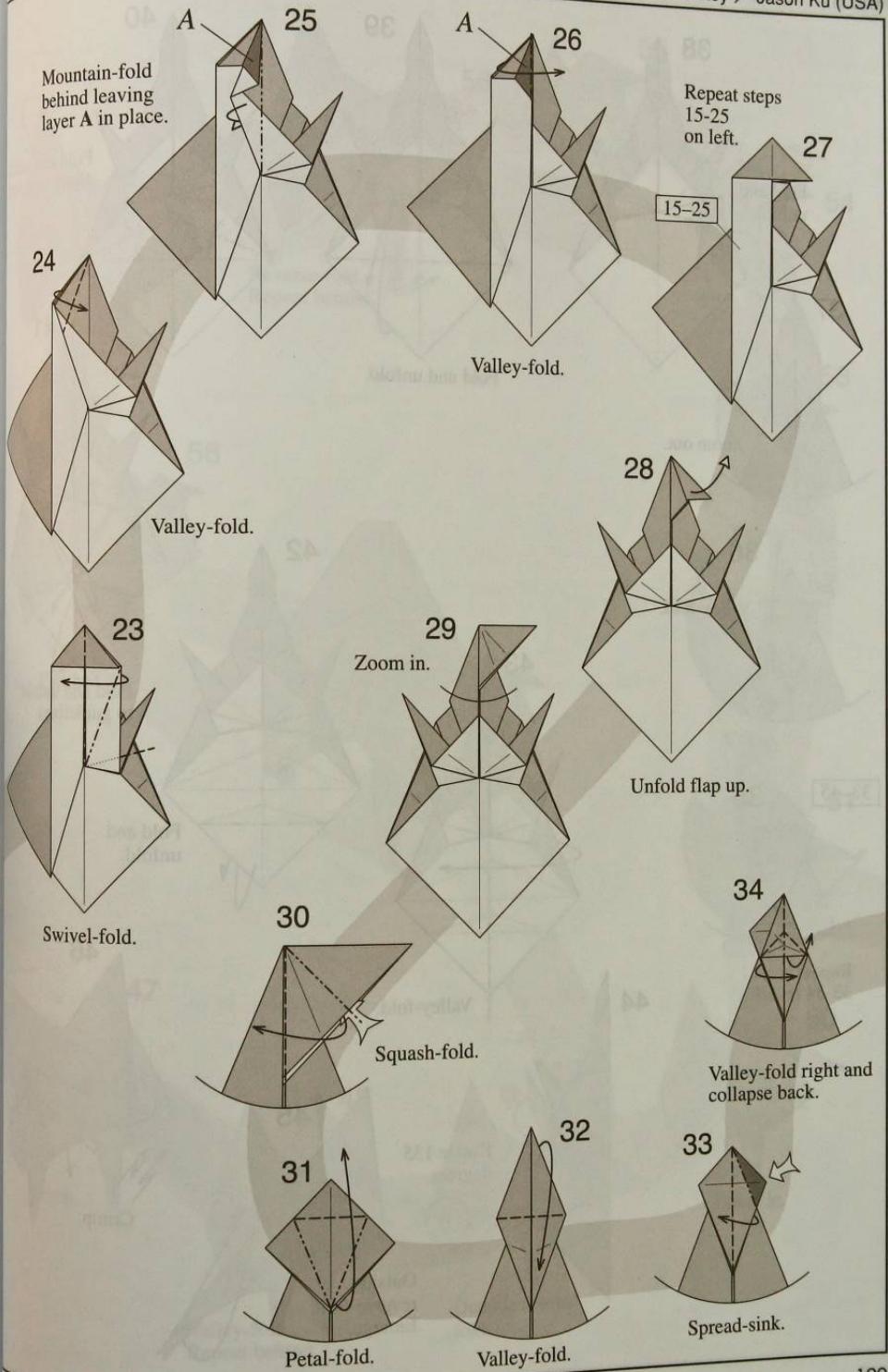


Fold and unfold.



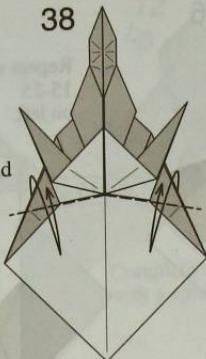
Open-sink.



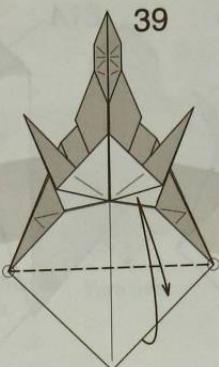


38

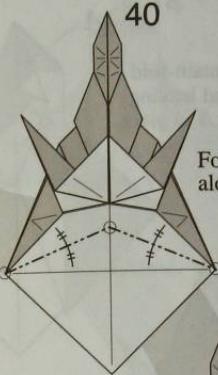
Fold and unfold.



39



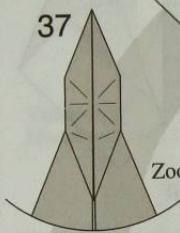
40



Fold and unfold along bisectors.

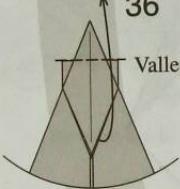
37

Zoom out.



36

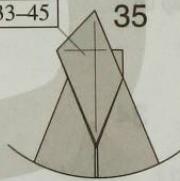
Valley-fold.



33-45

35

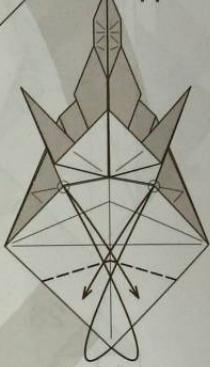
Repeat steps
33-34 on left.



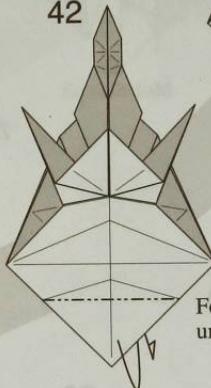
41

Fold and unfold.

41

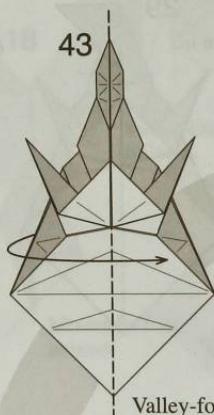


42



Fold and unfold to guidelines.

43



Fold and
unfold.

44

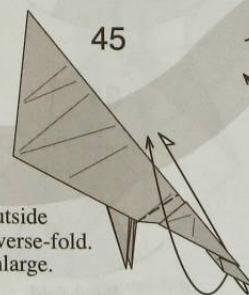
Valley-fold.



Rotate 135 degrees.

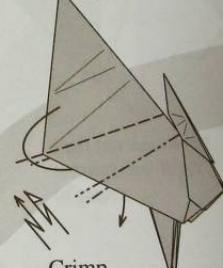
135°

45

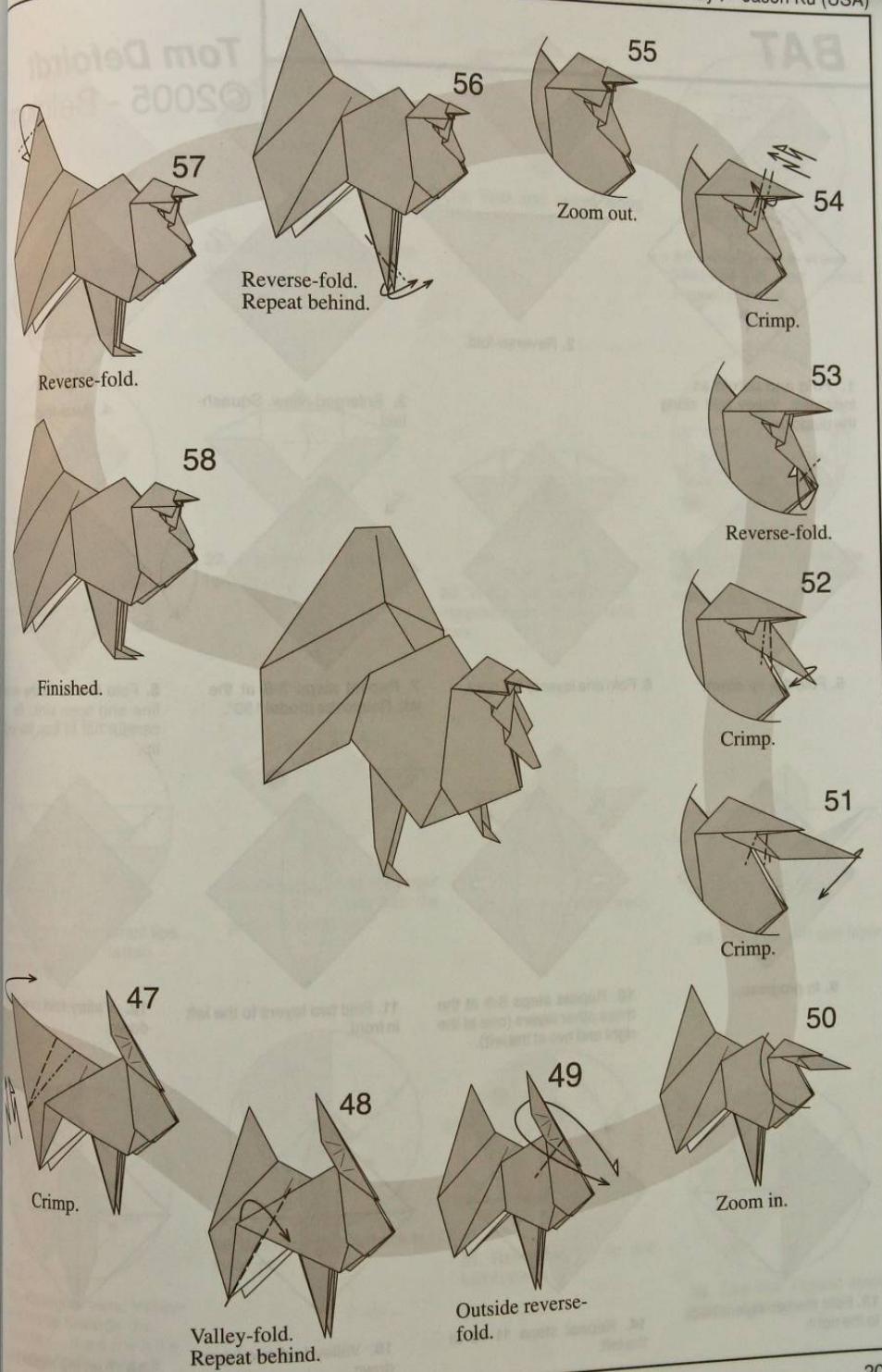


Outside
reverse-fold.
Enlarge.

46

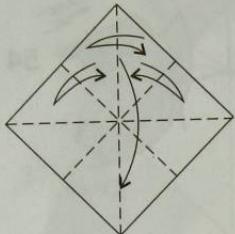


Crimp.

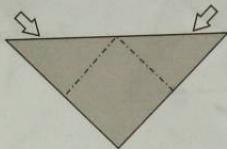


BAT

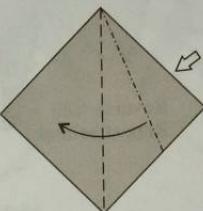
Tom Defoirdt
©2005 - Belgium



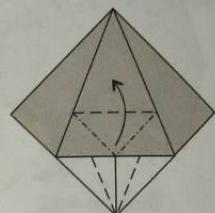
1. Fold and unfold as indicated. Valley fold along the diagonal.



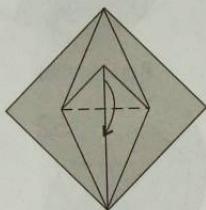
2. Reverse-fold.



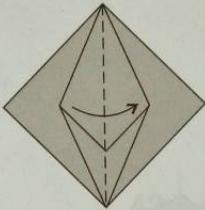
3. Enlarged view. Squash-fold.



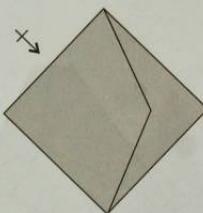
4. Petal-fold.



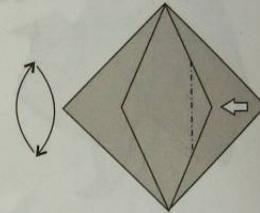
5. Fold the tip down.



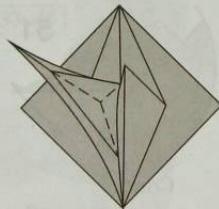
6. Fold one layer to the right.



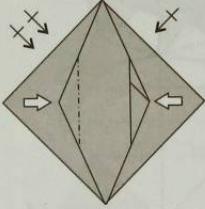
7. Repeat steps 3-6 at the left. Rotate the model 180°.



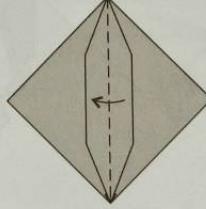
8. Fold the tip to the center line and open sink. Be careful not to trap the small tip.



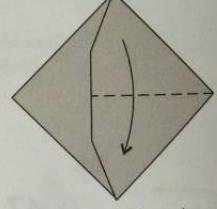
9. In progress...



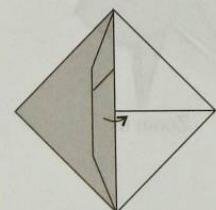
10. Repeat steps 8-9 at the three other layers (one at the right and two at the left).



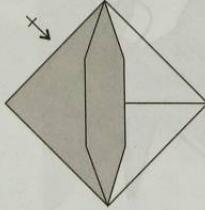
11. Fold two layers to the left in front.



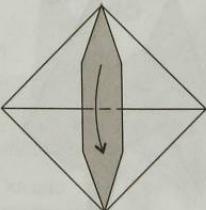
12. Valley-fold one layer down.



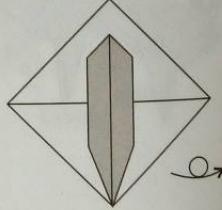
13. Fold the two layers back to the right.



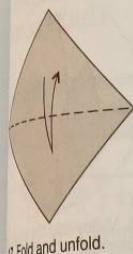
14. Repeat steps 11-13 at the left.



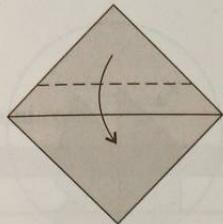
15. Valley-fold one layer down.



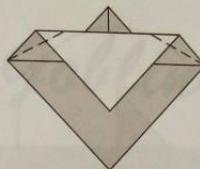
16. Turn the model over.



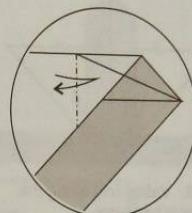
17. Fold and unfold.



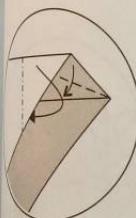
18. Valley-fold the top layer down.



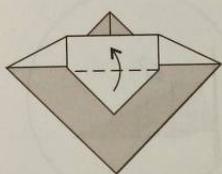
19. Fold and unfold along the angle bisectors.



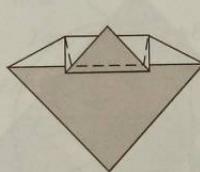
20. Enlarged view. Mountain-fold and unfold. Repeat at the left.



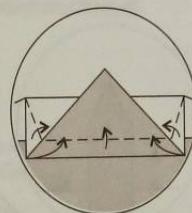
21. Fold the paper underneath using existing creases. Repeat at the left.



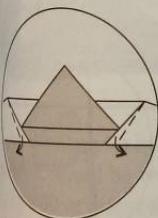
22. V valley-fold one layer upward.



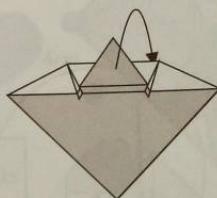
23. Valley-fold as indicated, meanwhile creating two rabbit ears.



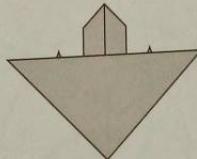
24. Enlarged view. Fold the two little tips that are created towards the center.



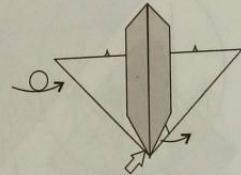
25. Valley-fold the small tips as indicated and flatten everything.



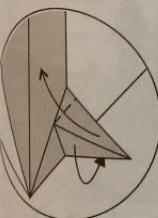
26. Mountain-fold the upper part of the model into the pocket behind.



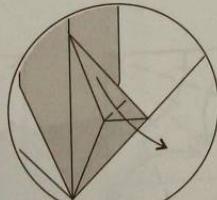
27. Like this. Turn over.



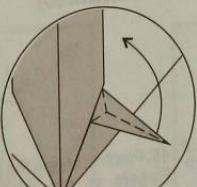
28. Reverse-fold one layer.



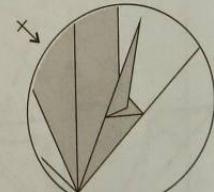
29. Enlarged view. Valley-fold the tip towards the center, meanwhile mountain-folding it in half.



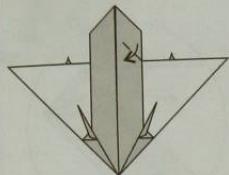
30. Valley-fold the tip back to the right.



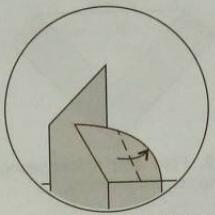
31. Rabbit-ear the tip and fold it upwards.



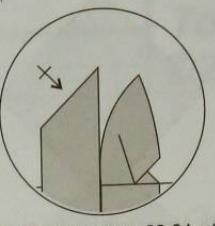
32. Like this. Repeat steps 28-31 at the left.



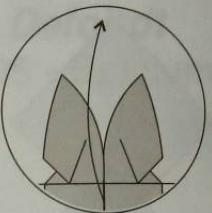
33. Valley-fold along the angle bisector.



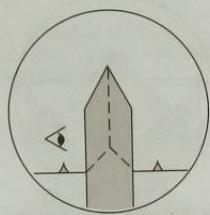
34. Enlarged view. Valley-fold the tip back to the right. The tip will not lie flat.



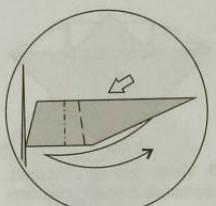
35. Repeat steps 33-34 at the left.



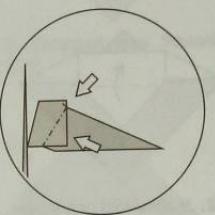
36. Valley-fold the large flap upwards.



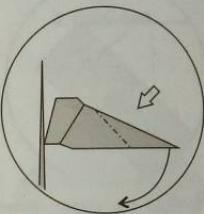
37. Rabbit-ear. Do not swing the flap to one of the sides; the model will not be flat. In the next steps, the flap is shown from the left side.



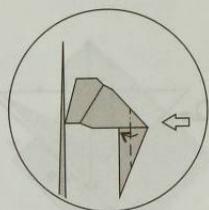
38. Enlarged view. Reverse-fold in and out.



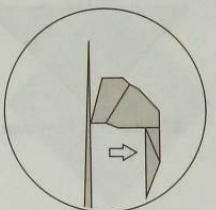
39. Reverse-fold. Repeat the lower one behind.



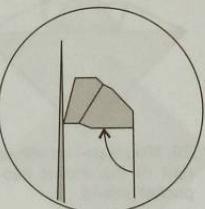
40. Reverse-fold downward.



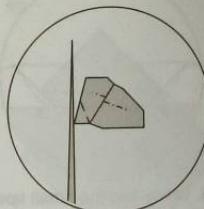
41. Fold the flap in half (reverse-fold at the top). Repeat behind.



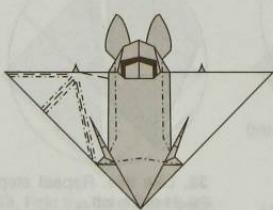
42. Push to the right from the inside to flatten the flap (the head will become 3D).



43. Fold the tip inside.



44. Pinch to shape the head. Repeat behind.



45. Pinch to shape the body. Fingers in the wings are created by one valley fold between two mountain folds. Legs are created by valley-folding the little tips down and up again.



46. Finished bat.

Model: Tom Defoirdt, 2001

Diagrams: Tom Defoirdt, 2005

[Http://users.skynet.be/tomsorigami](http://users.skynet.be/tomsorigami)

Creation & Diagram :
Nicolas TERRY

<http://www.passionorigami.com>

Goblin

Creation # 71 / Date : 07/2005

2h30

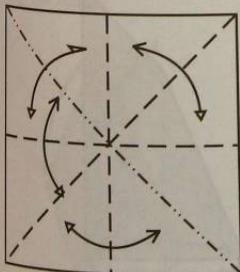
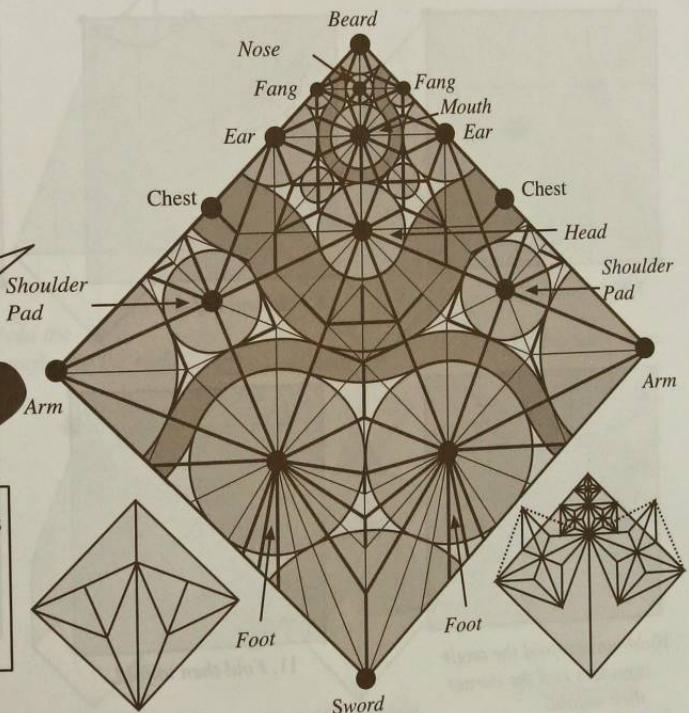
Level : Complex

Dimension (R= 0,32) :

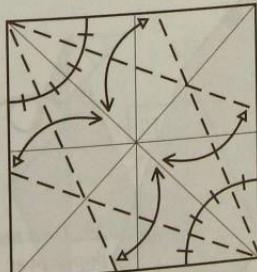
Paper :
 Standard paper
 Tissue-foil
 Wet folding



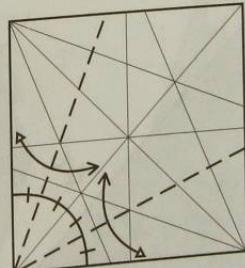
Given the complexity of this model, it would be worth trying a 30 or 40cm square the first time you fold it.



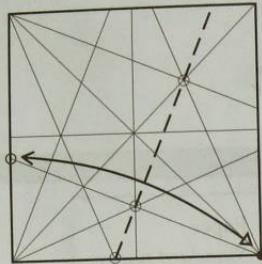
1. Crease as shown above.



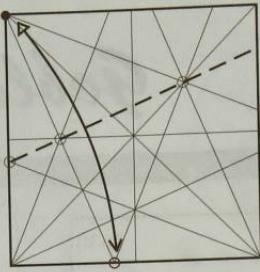
2. Crease the angle bisectors.



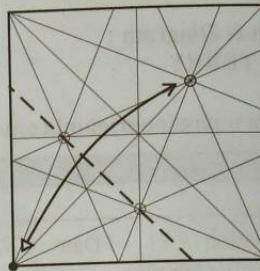
3. Crease the angle bisectors.



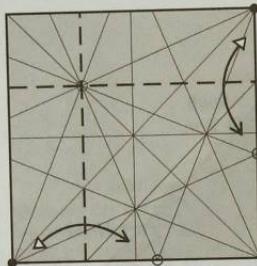
4. Fold and unfold. Note the reference points for the fold, then unfold.



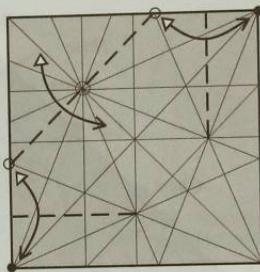
5. Repeat step 4 on the other corner.



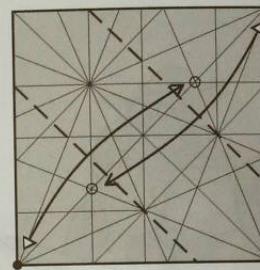
6. Fold and unfold. Turn the paper over.



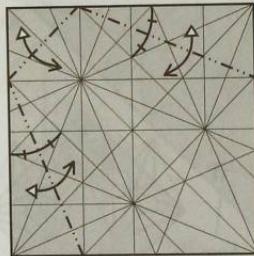
7. Fold and unfold.



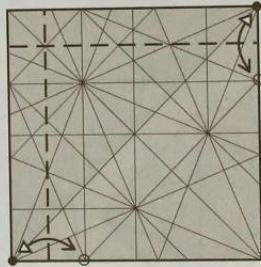
8. Fold and unfold.



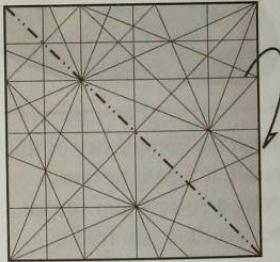
9. Fold and unfold.



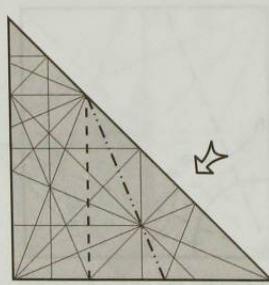
10. Mountain-fold the angle bisectors and the corner then unfold.



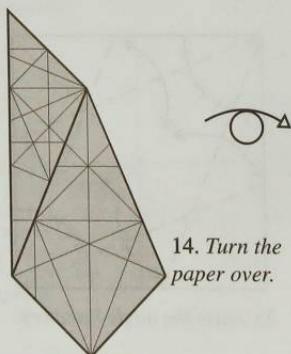
11. Fold then unfold.



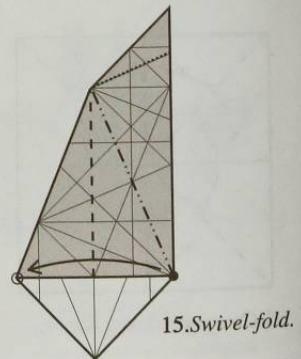
12. Mountain-fold in half.



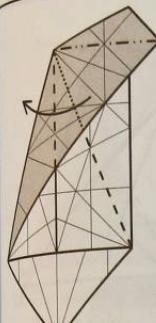
13. Squash-fold.



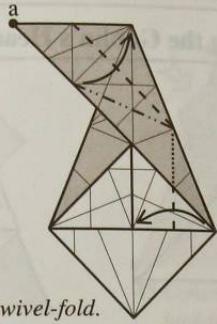
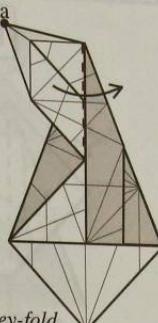
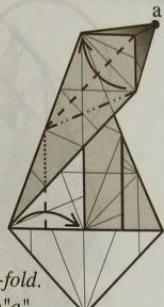
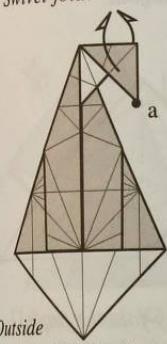
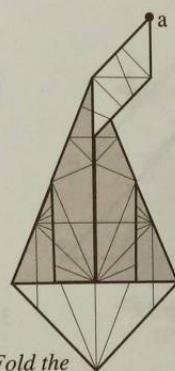
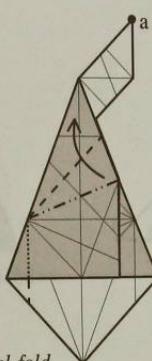
14. Turn the paper over.



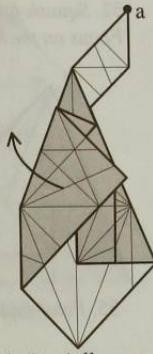
15. Swivel-fold.



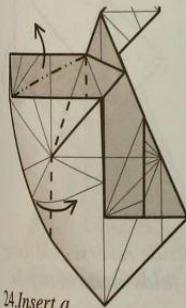
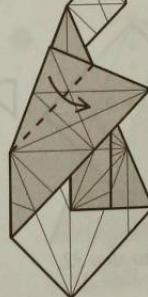
16. Swivel-fold.

17. Swivel-fold.
The tip "a" becomes 3D.18. Valley-fold
the tip to the right.19. Swivel-fold.
The tip "a"
becomes flat again.20. Outside
reverse-fold the tip.21. Fold the
front flap to the right.

22. Swivel-fold.



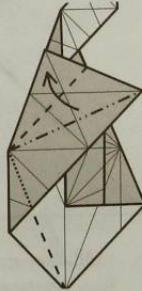
23. Partially open.

24. Insert a
swivel-fold whilst
closing the model.

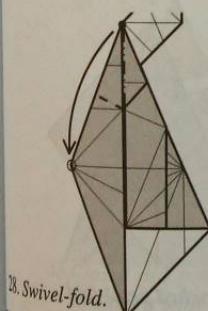
25. Valley-fold.



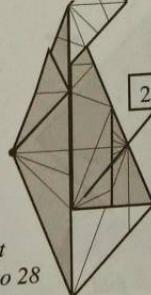
26. Rabbit-ear fold.



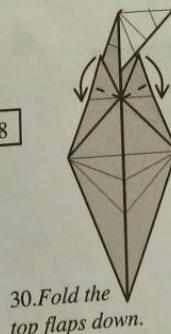
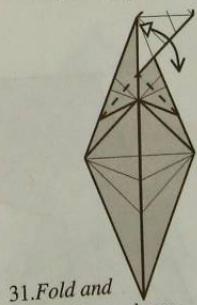
27. Swivel-fold.

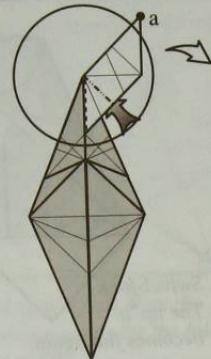


28. Swivel-fold.

29. Repeat
steps 21 to 28
on the right.

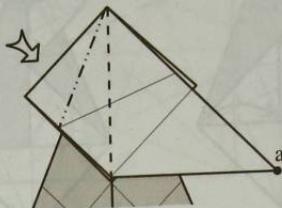
21-28

30. Fold the
top flaps down.31. Fold and
unfold the top layer.
Repeat on the right.

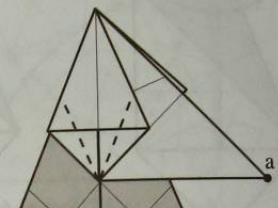


32. Squash-fold.
Focus on the head.

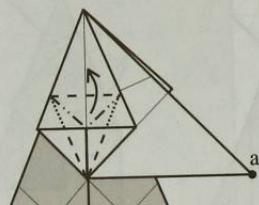
Folding the Goblin's Head :



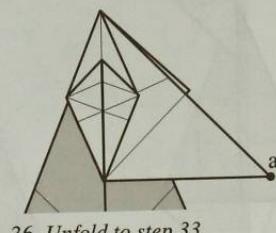
33. Squash-fold.



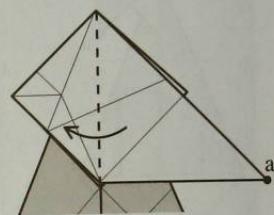
34. Fold along angle bisectors
then unfold.



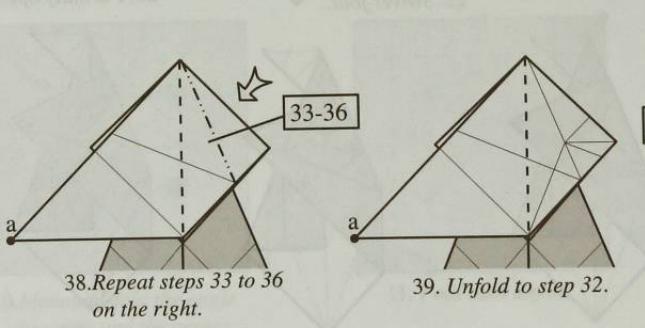
35. Petal-fold.



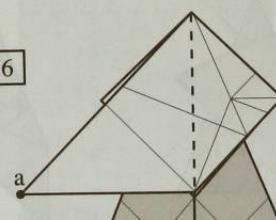
36. Unfold to step 33.



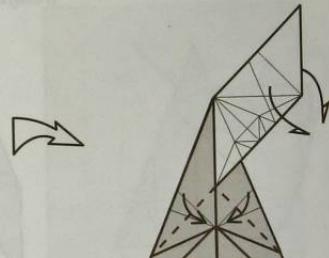
37. Valley-fold the flap to
the left.



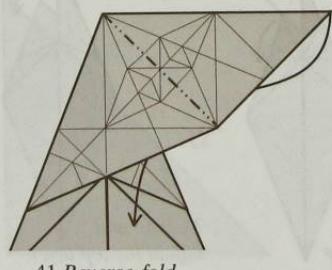
38. Repeat steps 33 to 36
on the right.



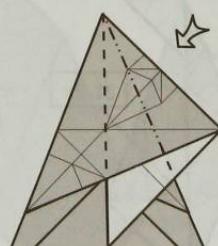
39. Unfold to step 32.



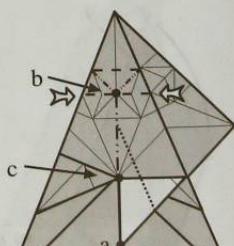
40. Outside reverse-fold using
the folds made in step 31.



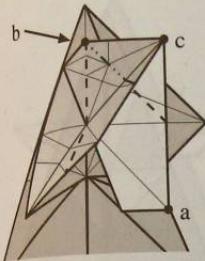
41. Reverse-fold.



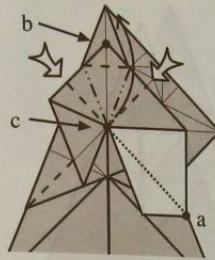
42. Squash-fold.



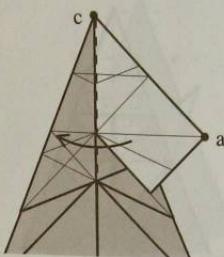
43. Pinched petal-fold.



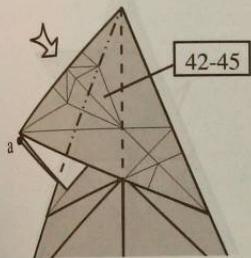
44. The model is not flat.
Squash-fold.



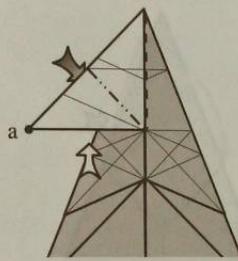
45. Continue to fold the
bird-base by lifting
"c" upwards.



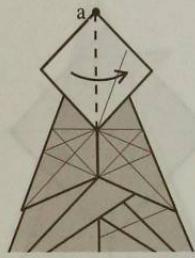
46. Valley-fold the flaps
to the left.



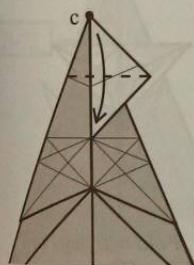
47. Repeat steps 42 to 45
on the right.



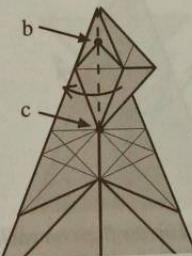
48. Squash-fold
symmetrically.



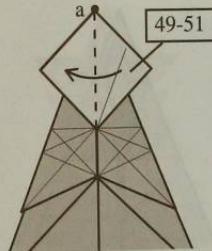
49. Valley-fold to
the right.



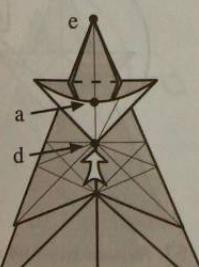
50. Valley-fold "c".



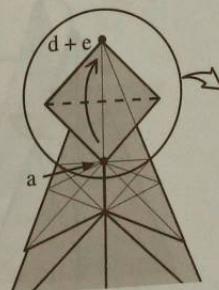
51. Valley-fold to the left.



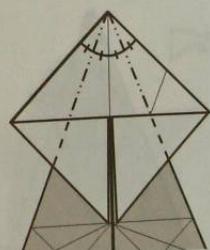
52. Repeat steps 49 to 51
on the right, then pull
point "a" towards you a bit.



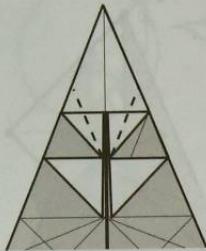
53. Closed sink point "d"
to align it with "e".



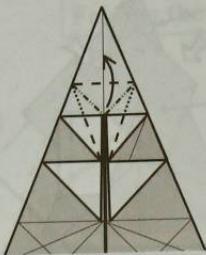
54. Valley-fold flap "a".



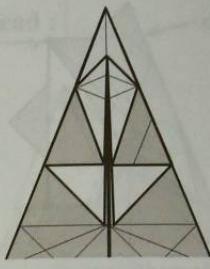
55. Reverse-folds.



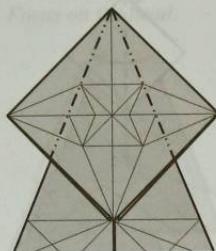
56. Fold along angle bisectors then unfold.



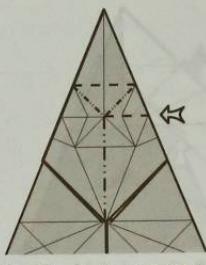
57. Petal-fold.



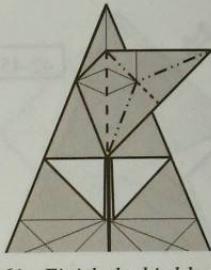
58. Unfold to step 54.



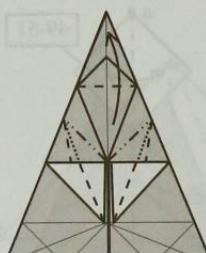
59. Reverse-folds.



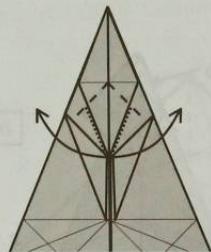
60. Pinched petal-fold.



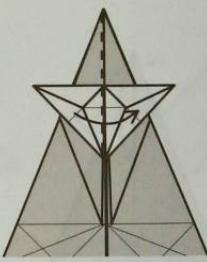
61. Finish the bird-base.



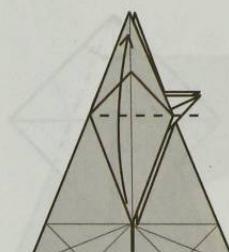
62. Valley-fold the front flap.



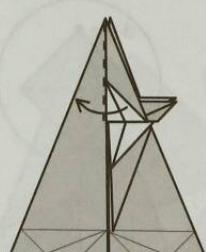
63. Fold up the flaps on each side, and create squash folds on the bottom halves.



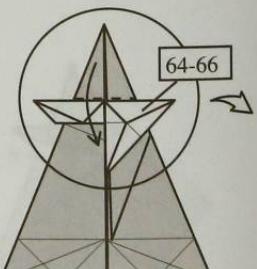
64. Fold two flaps to the right.



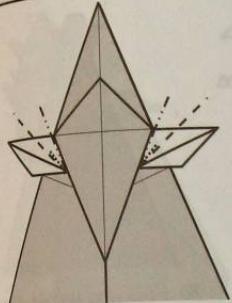
65. Valley-fold the flap.



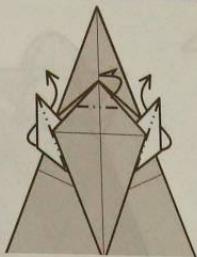
66. Valley-fold the flaps to the left.



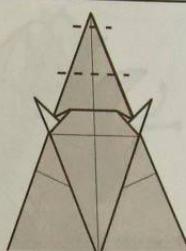
67. Repeat steps 64 to 66 on the right.
Then fold the front flap down.



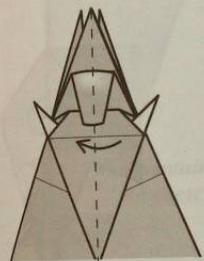
68. Pleat-fold. Valley-fold (hidden) behind the flaps through all layers.



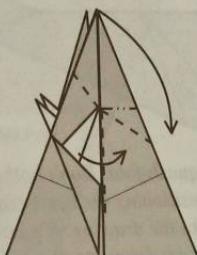
69. Note that the teeth are between the two layers of the front flap. Narrow teeth with a reverse-fold (fold through all layers).



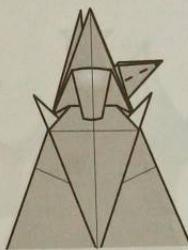
70. Make the nose with two valley-folds.



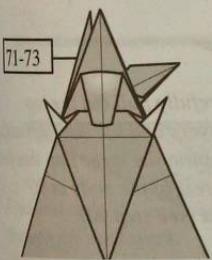
71. Valley-fold very lightly to free the ear (be careful to not damage the face)



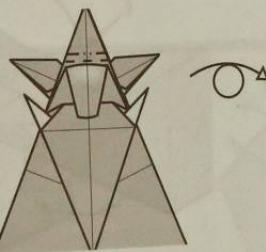
72. Swivel-fold the ear.



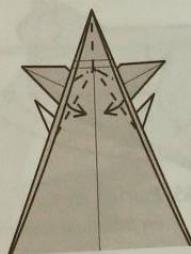
73. Valley-fold the front layer down to hide the central mark.



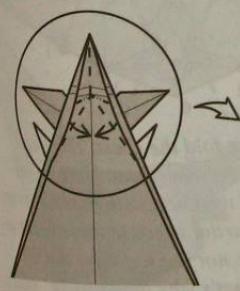
74. Repeat steps 71 to 73 on the left ear.



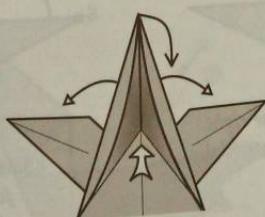
75. Pleat-fold through all layers. Crease firmly, unfold and turn over.



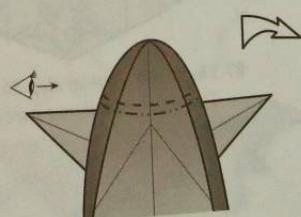
76. Fold the front layers to the centre.



76. Focus on the folding sequence.



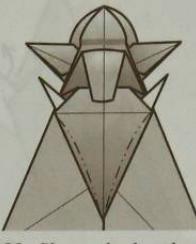
77. Pull out the centre flaps to open the head and create a 3D effect. The top of the head tips down and back, and the front flaps are flattened into the model.



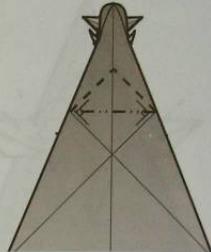
78. The result. Pleat-fold to shape the eyes, following the creases from step 75.



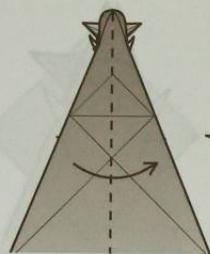
79. 3D view of the head.



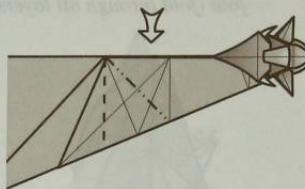
80. Shape the head as you want.



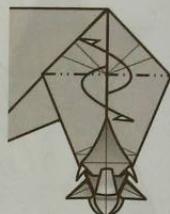
81. Fold and unfold. Note that the creases at 45° are only on the top layer.



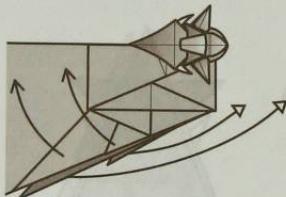
82. Valley-fold the model in half.



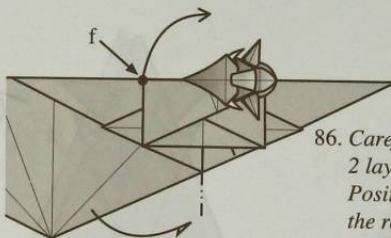
83. Squash-fold. Don't bother positioning the head exactly like the drawing. It's just easier for me to draw it like that ...



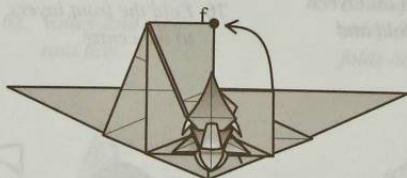
84. Open up all the layers. Flatten using the creases made in step 81.



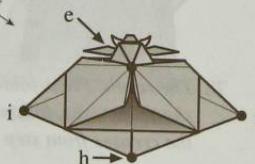
85. Pull out the flaps on front and behind.



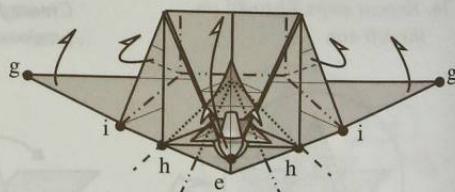
86. Carefully pull out the top 2 layers and lift them upwards. Position the large flap that forms the rest of the body at 90° to the head (see step 90).



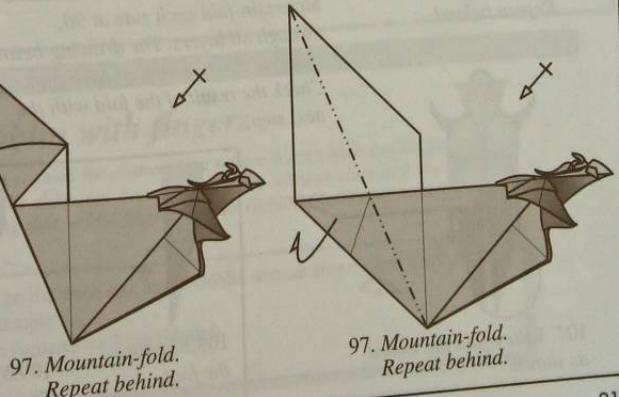
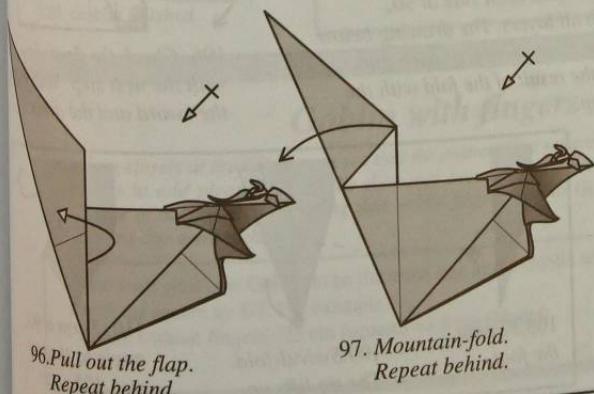
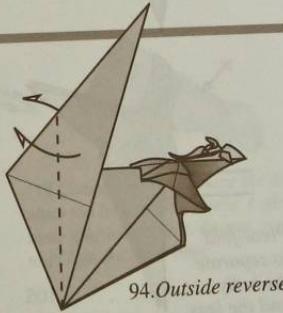
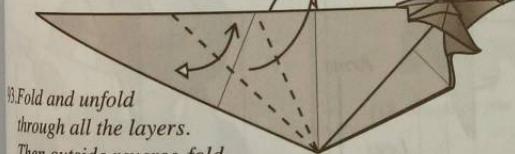
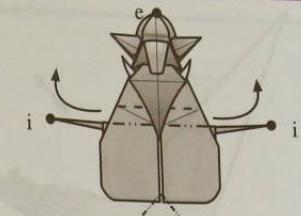
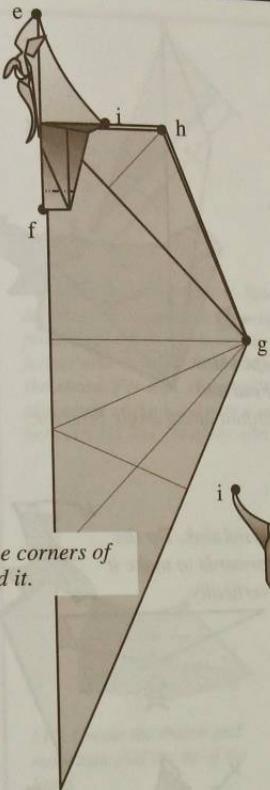
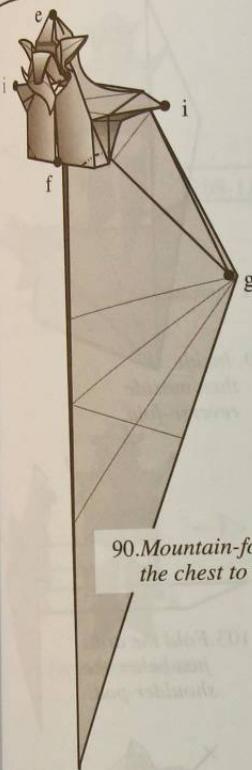
87. The result. Repeat step 86 on the right. This step only shows part of the model.

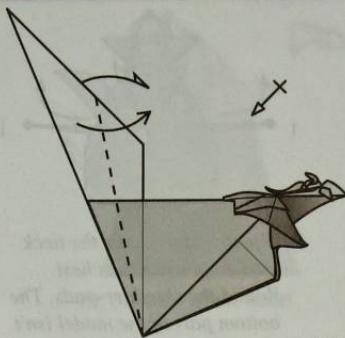


89. The model is in 3D. Check your folding with the next step.

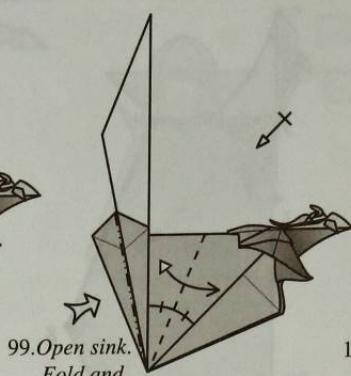


88. Mountain-fold the chest. The head follows the movement. Narrow the tips and the chest with partial reverse-folds. Partial because these reverse-folds are not flat to follow the 90° angle. That's why the arms "g" can't stay in their initial position and must be swivel-folded to lie along the body.

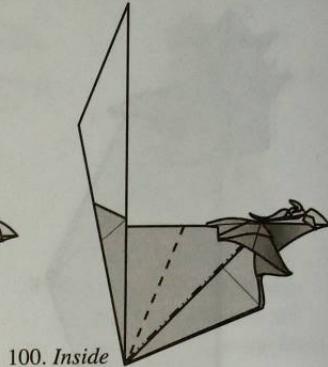




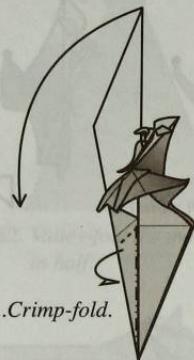
98. Outside reverse-fold.



99. Open sink.
Fold and
unfold along angle bisector.

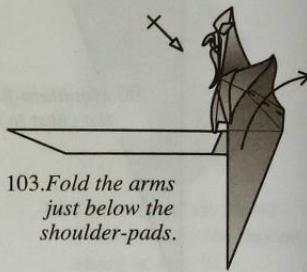
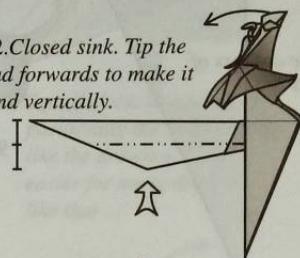


100. Inside
then outside
reverse-fold.

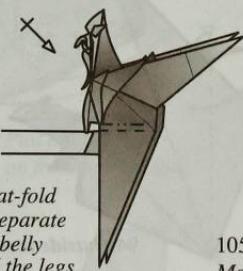


101. Crimp-fold.

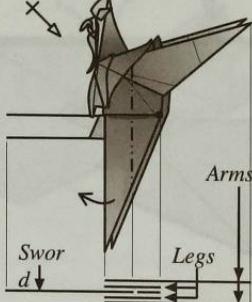
102. Closed sink. Tip the head forwards to make it stand vertically.



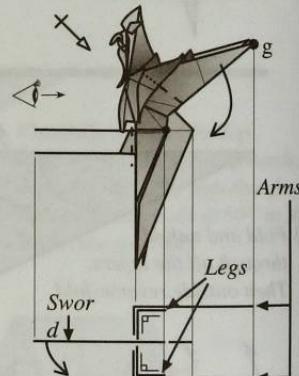
103. Fold the arms
just below the
shoulder-pads.



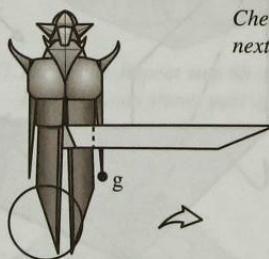
104. Pleat-fold
to separate
the belly
and the legs.
Repeat behind.



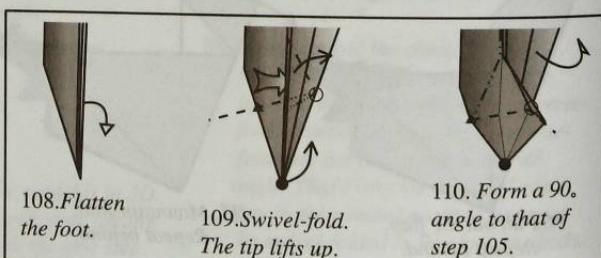
105.
Mountain-fold each side at 90°
through all layers. The drawing below
shows a cross-section of each part.
Check the result of the fold with the
next step.



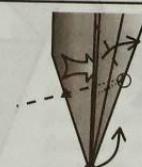
106. Check the final view
with the next step. Valley-fold
the sword and the arms.



107. Valley-fold the sword
as shown.



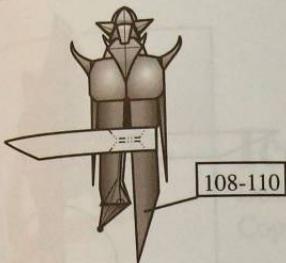
108. Flatten
the foot.



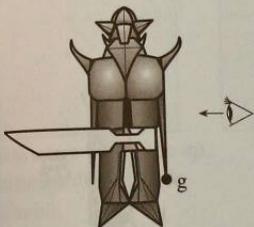
109. Swivel-fold.
The tip lifts up.



110. Form a 90°
angle to that of
step 105.



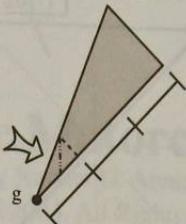
111. Shape the sword. Repeat steps 108 to 110 on the other foot.



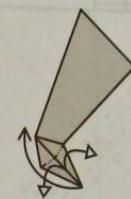
112. Focus on the hand.



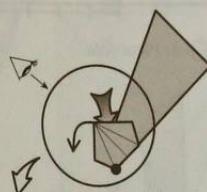
120. Goblin finished.



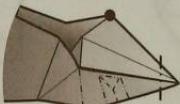
113. Only the arm is shown. Squash-fold at 1/3. Depending upon the original position of the arm, you may need a longer arm to position the hand well on the sword. For that, change the placement of the hand with a squash-fold between 1/3 and 1/4 of the arm.



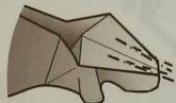
114. Open each side.



115. Open the hand to make it 3D.



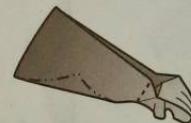
116. Create the thumb and mountain-fold the tip of the hand



117. Pleat-folds to create the fingers.



118. Shape as you want.

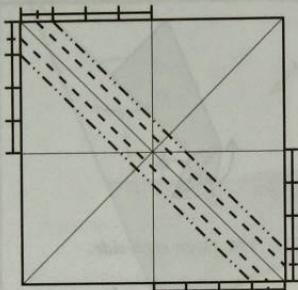


119. Completed hand. Shape the arm to place the hand on the sword. I often use some glue to secure it. Repeat steps 113 to 117 on the other arm.

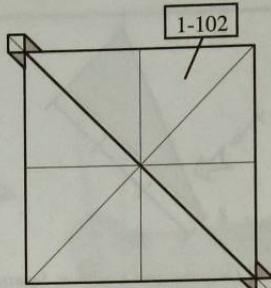
Goblin with fingers

Looking closely at the CP, we can see that the centre of the square doesn't have any key points. So it's easy to add pleat-folds on the diagonal between the arms without changing the folding sequence of the model. Now, using that, add 4 fingers to your Goblin. Challenge : add 5 fingers by adding one more pleat.

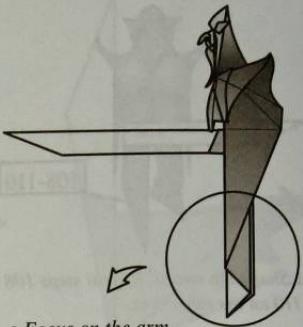
If you want your new Goblin to be the same size as the Goblin without fingers, just multiply the size of the square by 8/7. For example :
- Goblin without fingers : 25 cm (square) => 8 cm (Model)



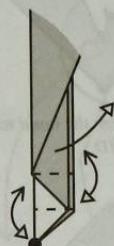
a. Pleat-fold.



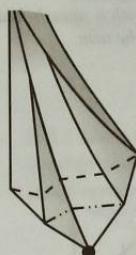
b. Continue with steps 1 to 102 of the Goblin.



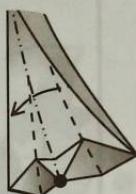
c. Focus on the arm.



d. Fold and unfold.
Then partially open
the arm.



e. Pleat-fold
following
the creases made in
step d.



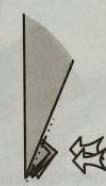
f. Close the flaps.



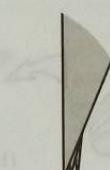
g. Reverse-fold
both flaps.



h. Reverse-fold
both flaps.



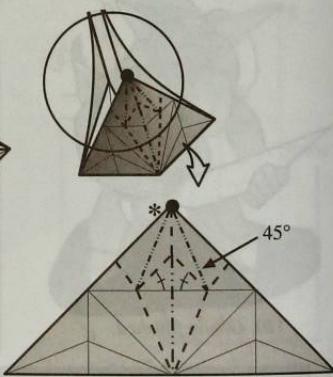
i. Reverse-fold
both flaps.



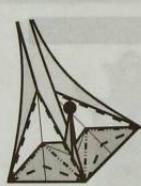
j. Partially unfold
the arm.



k. Partially
unfold the flap.



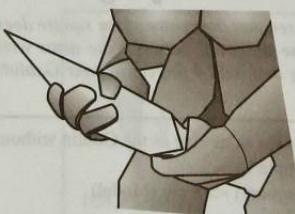
l. Fold the tip * up at 90° by
using the 45° valley folds.



m. Close the flap
using the reverse-
folds of steps g to i.



n. The thumb is
now at 90° to the
3 other fingers.



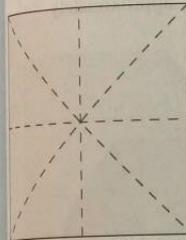
o. Repeat steps d to n on the other arm.
Then complete the model following
steps 103 to 111 of the Goblin. Place
the fingers around the sword to make
their presence more obvious.



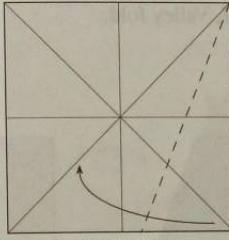
Iconic Motorcycle

Designed by Xander D. Arena

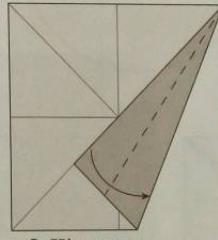
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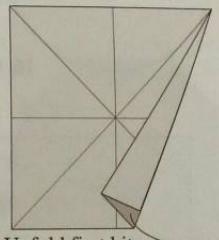
1. With square white side up, fold through diagonals & horizontals.



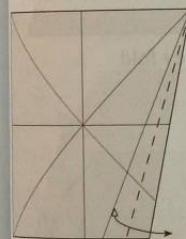
2. Kite crease.



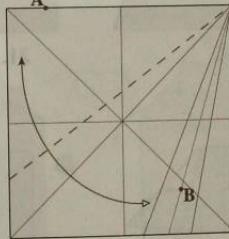
3. Kite crease.



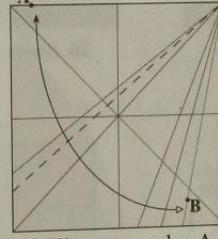
4. Unfold first kite.



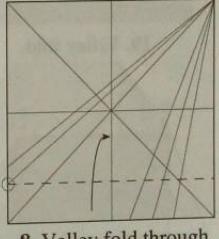
5. Bring folded edge to crease, then unfold to square.



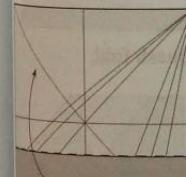
6. Kite crease edge A to line B, then unfold.



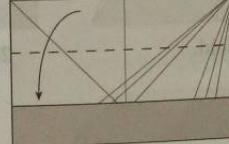
7. Kite crease edge A to line B, then unfold.



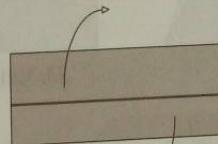
8. Valley fold through CI, (crease intersection).



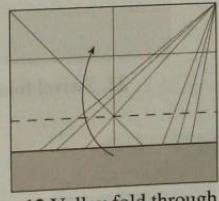
9. Valley fold through the raw edge.



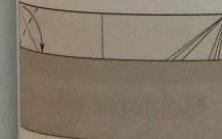
10. Valley fold the raw edge to the folded edge.



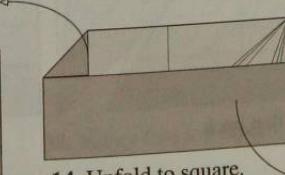
11. Unfold to step 9.



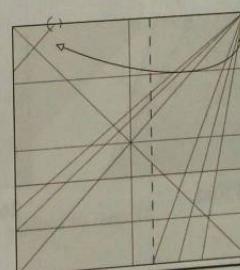
12. Valley fold through midline.



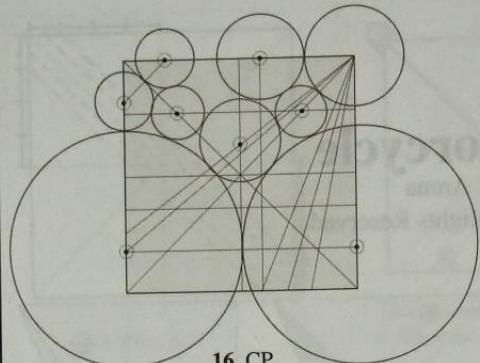
13. Valley fold.



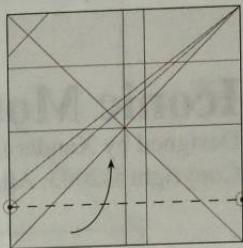
14. Unfold to square.



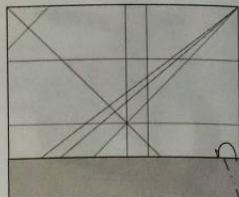
15. Valley fold vertically to CI, then unfold.



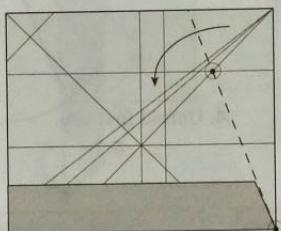
16. CP.



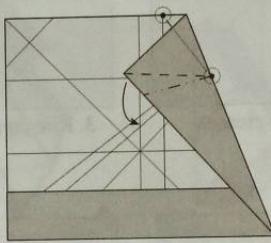
17. Valley fold.



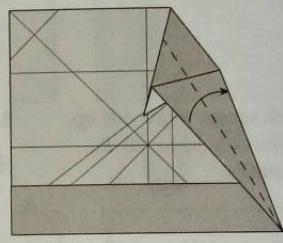
18. Mountain fold
approximately



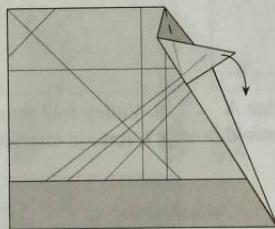
19. Valley fold.



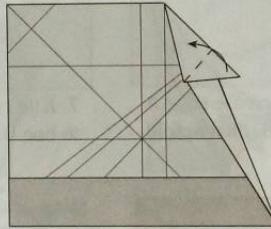
20. Swivel fold.



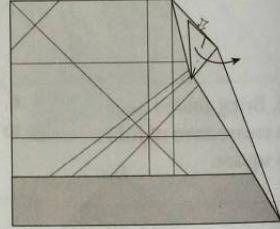
21. Valley fold.



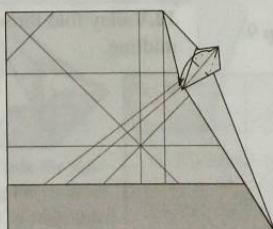
22. Swivel fold.



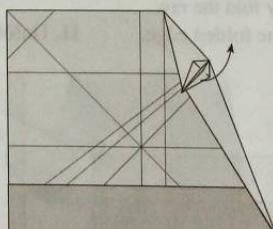
23. Valley fold.



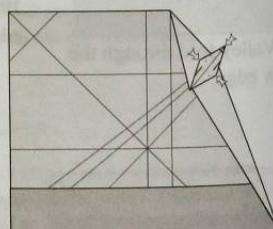
24. Squash fold.



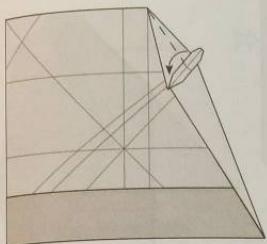
25. Petal fold.



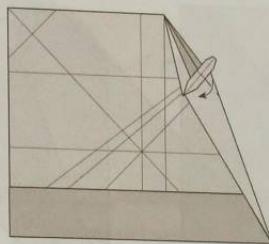
26. Fold flap back.



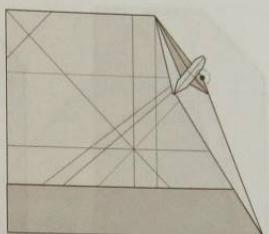
27. Arbitrary sinks.



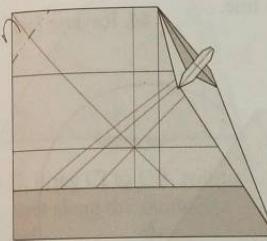
28. Valley fold, incorporating a small reverse fold.



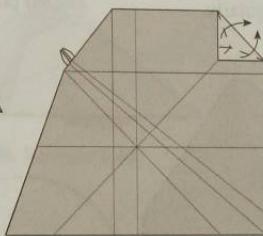
29. Arbitrary valley fold, incorporating reverse at base.



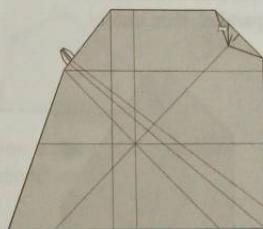
30. Note CP's reference point.



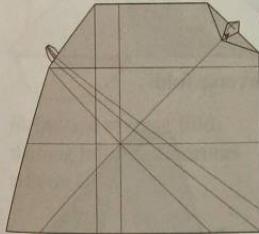
31. Fold behind and turn model over.



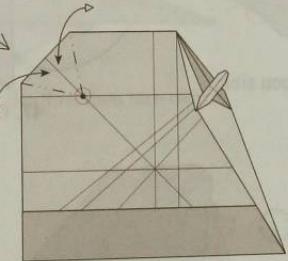
32. Rabbit ear.



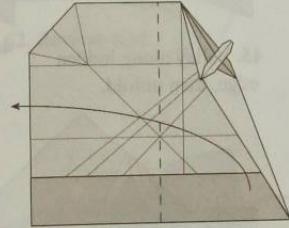
33. Squash fold small flap.



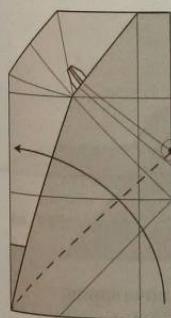
34. Valley fold small triangle, then turn model over.



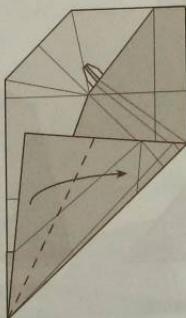
35. Make mountains, then unfold.



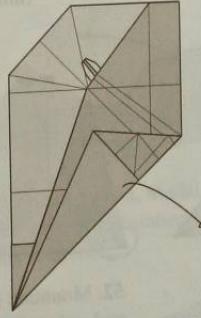
36. Valley in half.



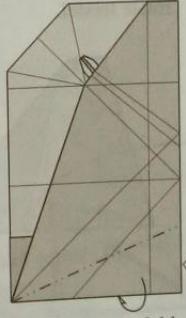
37. Valley fold through all layers.



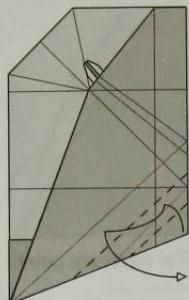
38. Valley fold top layer.



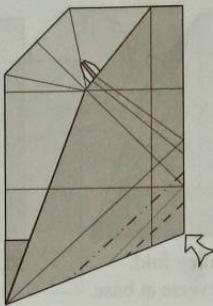
39. Unfold to step 37.



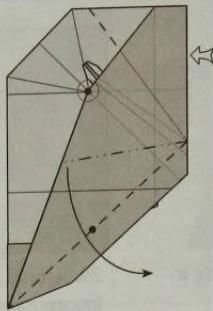
40. Reverse fold.



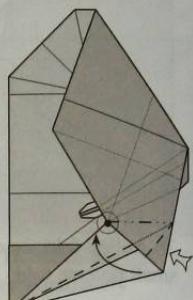
41. Crease into thirds, parallel, then unfold.



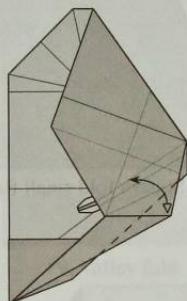
42. Sink in and out triangularly.



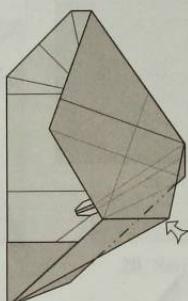
43. Squash fold, so that circled point lies on line.



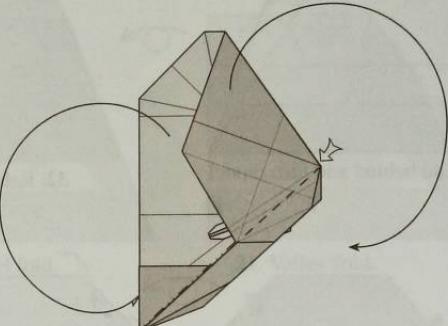
44. Reverse fold.



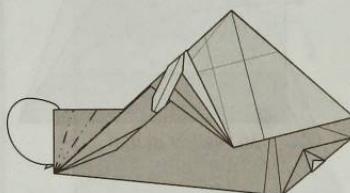
45. Valley along hidden edge, then unfold.



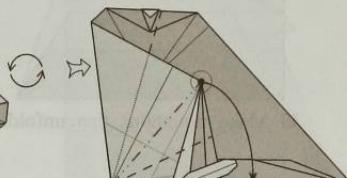
46. Open sink.



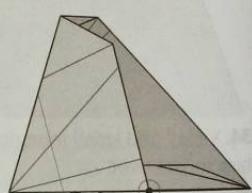
47. Outside reverse fold.



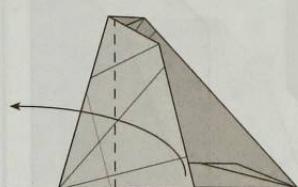
48. Mountain fold over into thirds, then into pocket, then rotate model.



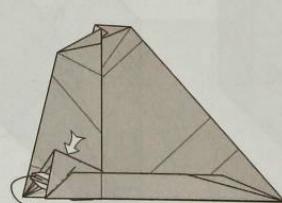
49. Swivel fold corner to UB, (uniaxial base).



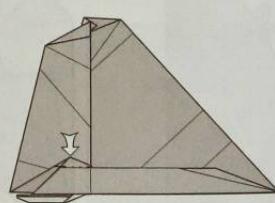
50. Like this.



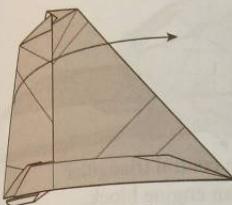
51. Valley fold.



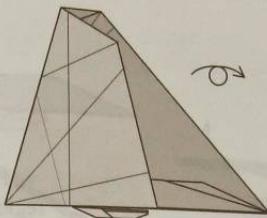
52. Mountain fold exhaust, and swing down while reverse folding.



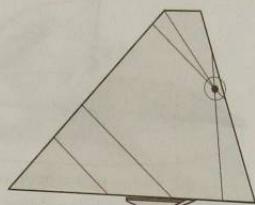
53. Open sink, unwrapping slightly to accomplish.



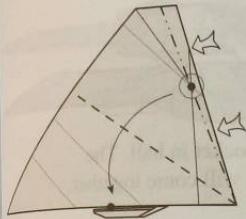
54. Close large flap.



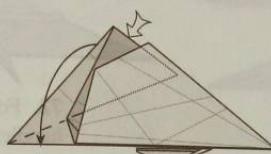
55. Turn model over.



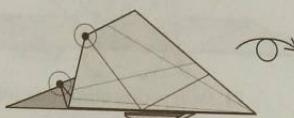
56. Note crease intersection.



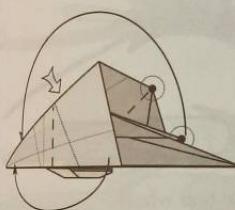
57. Bring CI to UB, rolling paper along the mountain fold.



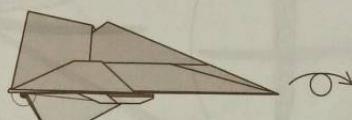
58. Reverse fold.



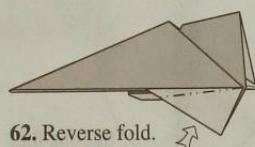
59. Note reference corners, then turn model over.



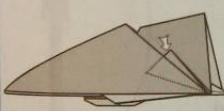
60. Outside reverse fold, allowing reference corners to lie on UB.



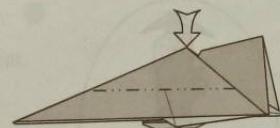
61. Like this, then turn over.



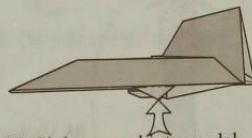
62. Reverse fold.



63. Reverse fold again.



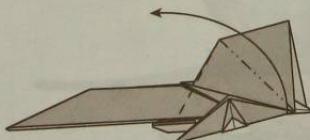
64. Sink triangular region to align with horizontal layers. A crimp will form in the interior.



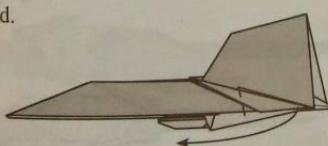
65. Sink upward into model.



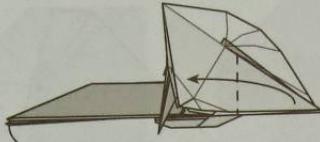
66. Valley fold.



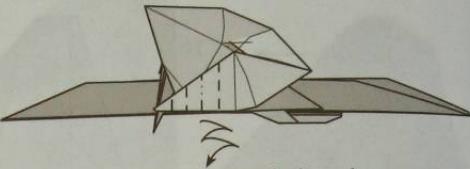
67. Open out pocket, model will not lie flat for the duration of the folding sequence.



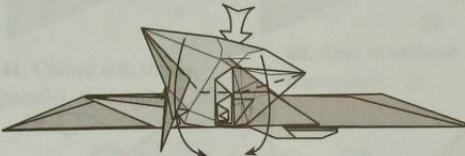
68. Like this.



69. Swing rear wheel assembly to the right, while folding triangular interior to the left.



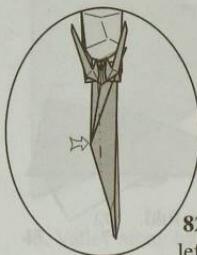
70. Pleat the central triangular region into an engine block.



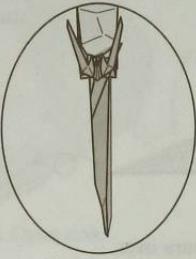
71. Push pocket inside out, folding along indicated creases.



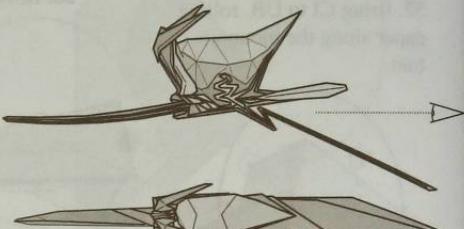
72. Fold pocket in half. The handlebars will come together.



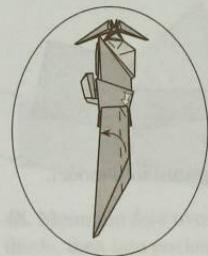
82. Sink the left side.



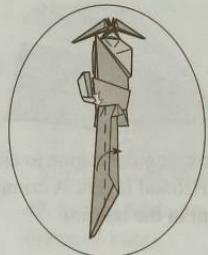
83. Like this.



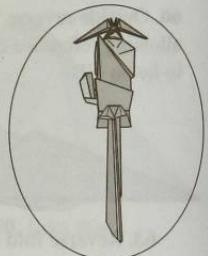
84. View rear wheel.



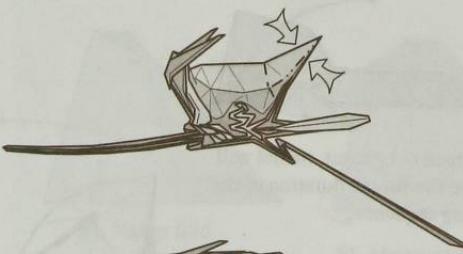
85. Valley fold, with a squash at the top.



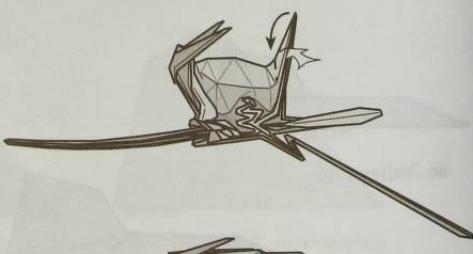
86. Valley fold, with a squash at the top.



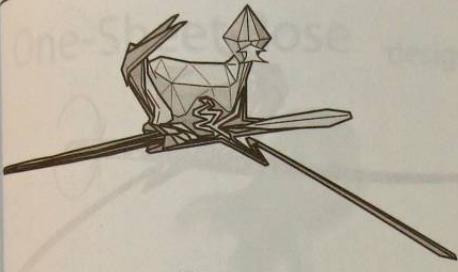
87. Like this.



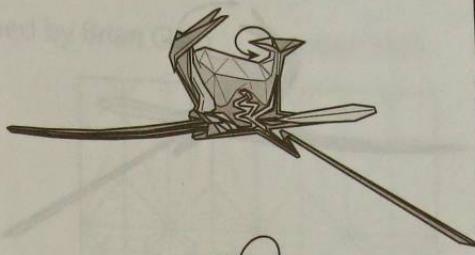
88. Compress seat.



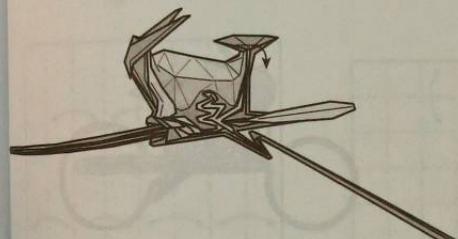
89. Popping middle ridge, begin squash folding seat...



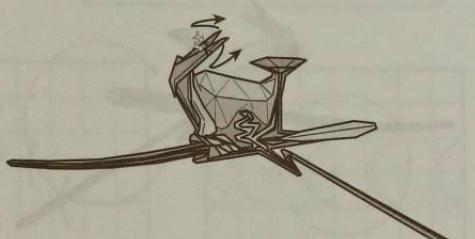
90. ...in progress...



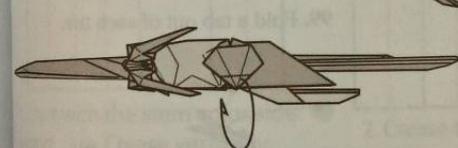
91. Wrap lighter portion of seat behind.



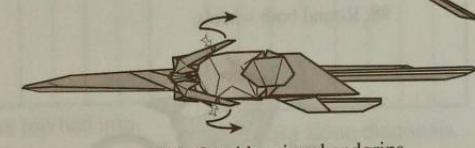
92. Mountain fold corner of seat.



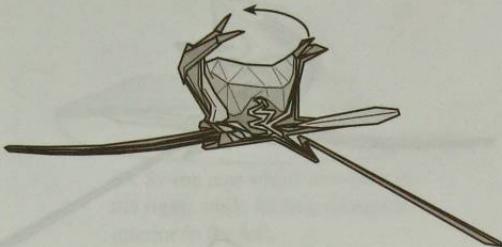
93. Outside crimp handgrips.



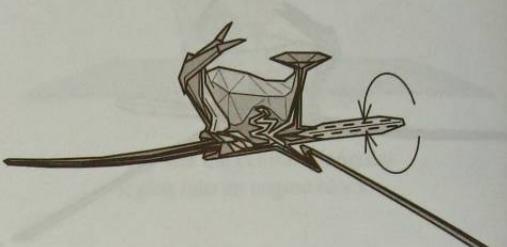
94. Fold top of seat backward.



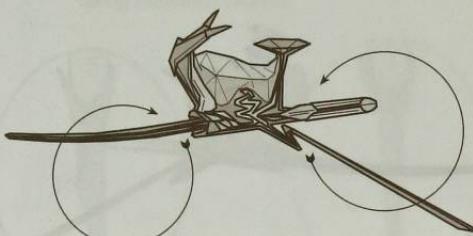
95. Mountain fold edge of tank underneath.



96. Swing seat back into position.



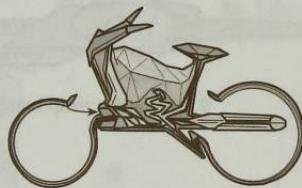
97. Roll exhaust into a cylinder.



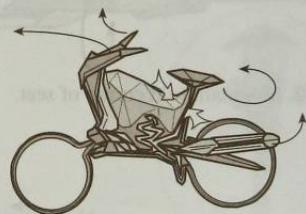
98. Round both wheels.



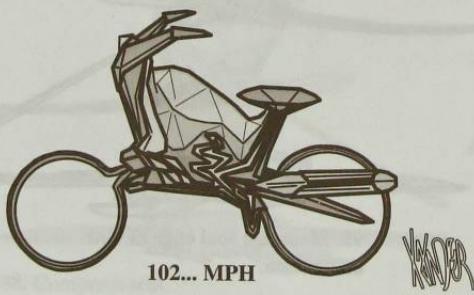
99. Fold a tab out of each tire.



100. Tuck the front tire into the bike, the rear wheel will close when rested on the bike's own weight.



101. Customize the seat, exhaust, handlebars, and body.



102... MPH

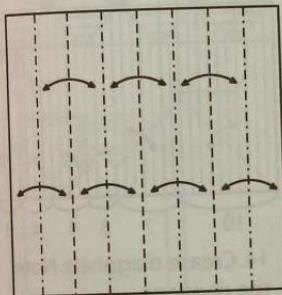
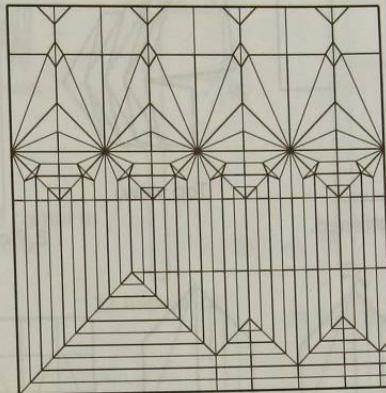


www.xanderfolds.com

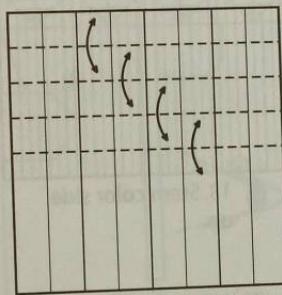
One-Sheet Rose

designed by Brian Chan

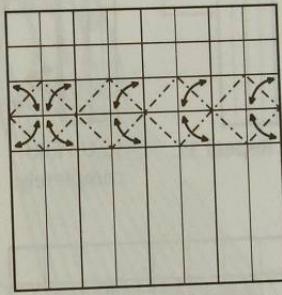
October 2005



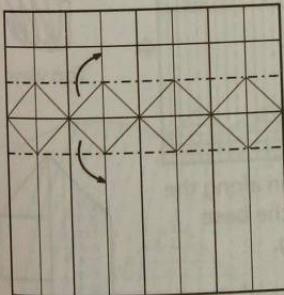
1. Start with the stem color side facing up. Crease vertically into eighths.



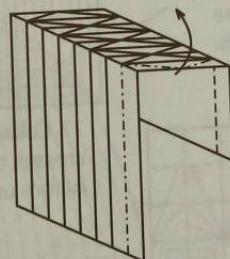
2. Crease the top half into eighths.



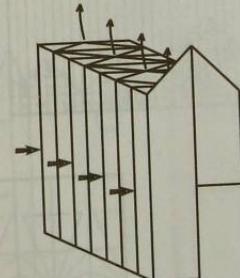
3. Crease along diagonals.



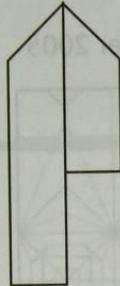
4. Fold the top fourth and the bottom half down, partially.



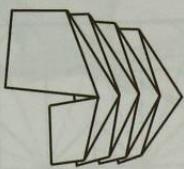
5. Petal fold.



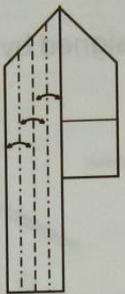
6. Continue folding in along the sides and forming points on the top.



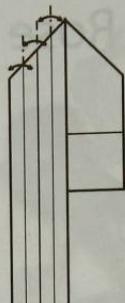
7. Flattened.



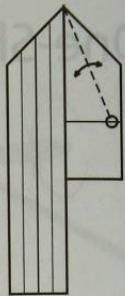
Top view.



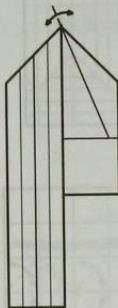
8. Pleat into fourths.



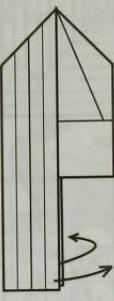
9. Repeat 3x.



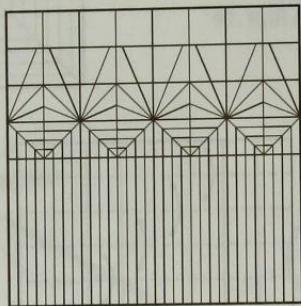
10. Crease the angle bisector.



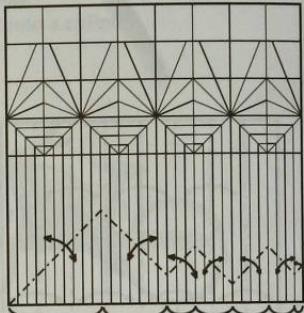
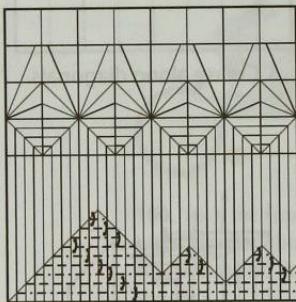
11. Repeat 3x.



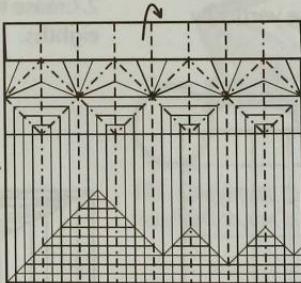
12. Un fold completely.



13. Stem color side up.

14. Crease diagonals. Note the divisions.
10 7 3 4 4 3 1

15. Crease 32nds horizon-tally below the diagonals.

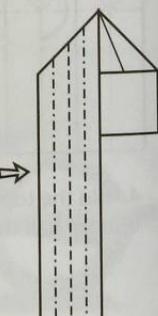
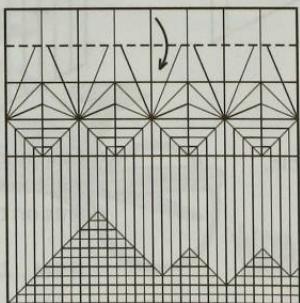


17. Collapse again along the creases to form the base before unfolding.

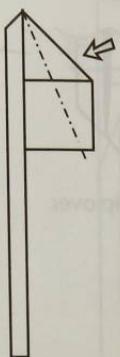
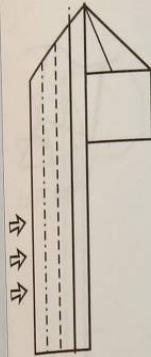


Top view.

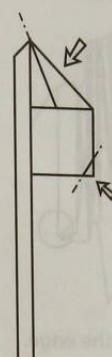
16. Valley-fold down the top 1/8.



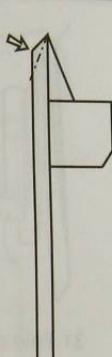
18. Open sink.



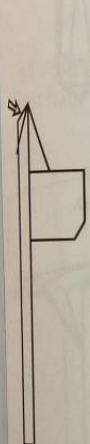
21. Press in the corner to complete the sink.



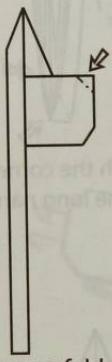
22. Repeat 3x



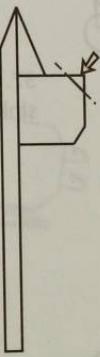
23. Sink the tip



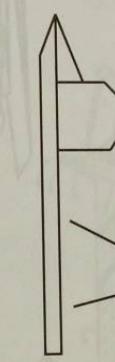
24. Repeat 3x



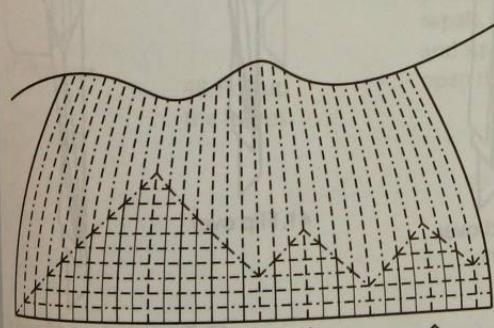
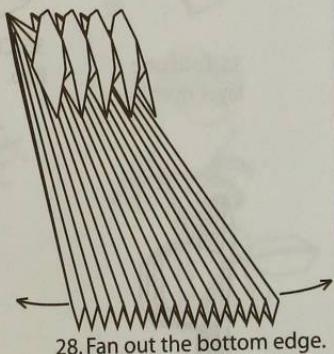
25. Reverse fold.



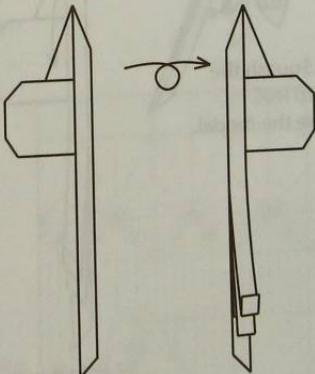
26. Repeat 3x.



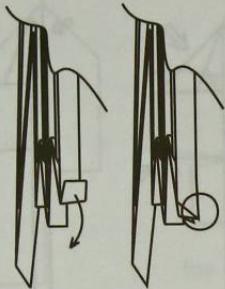
27. Change view



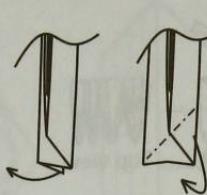
29. Collapse along the creases shown. (Elias stretch)



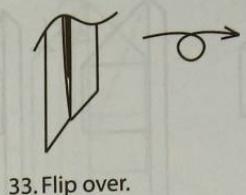
30. Flip over.



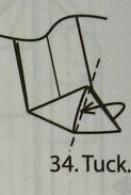
31. Fold down the edge.



32. Open the layer behind, mountain fold.



33. Flip over.



34. Tuck.



35. Fold one layer over.



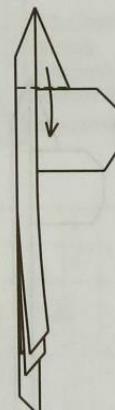
36. Close the flap.



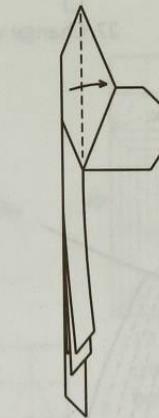
37. Squash the corner while sinking the long narrow flap.



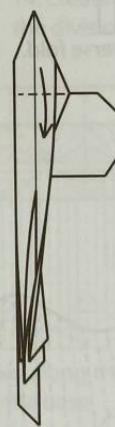
38. Squash the third leaf, close the model.



39. Fold down.



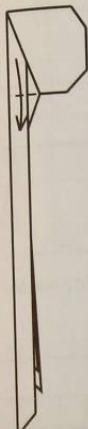
40. Fold over 2 layers



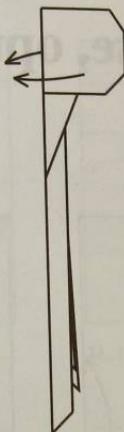
41. Flip over.



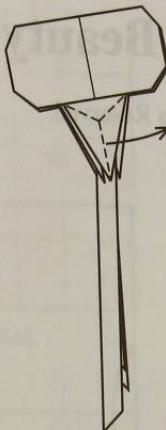
42. Repeat steps 40 and 41 3x. The blossom will rotate up by itself.



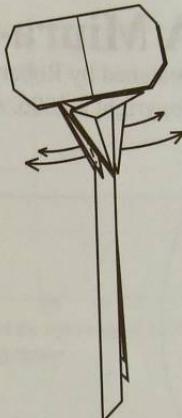
43. Fold down the last flap.



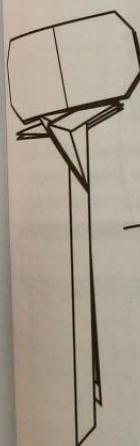
44. Outsidee-reverse fold.



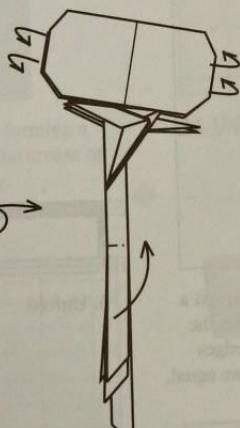
45. Rabbit ear.



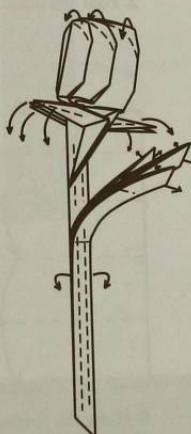
46. Rabbit ears.



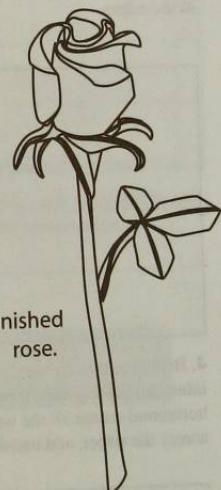
47. Flip over.



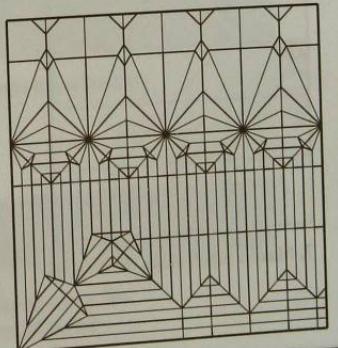
48. Roll up the leaves.



49. Curl the petals, pinch and curl the sepals. Roll the stem and squash fold open the leaves.



50. Finished rose.

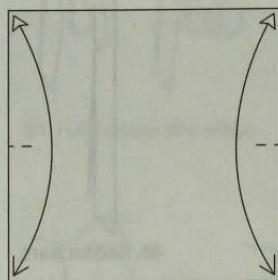


Extra challenge: using the modified crease pattern shown here, fold a rose with thorns.

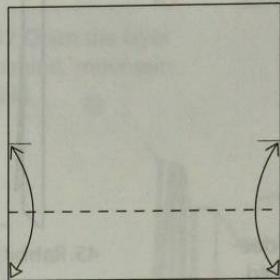
A Miura-ken Beauty Rose, opus 482

Designed by Robert J. Lang

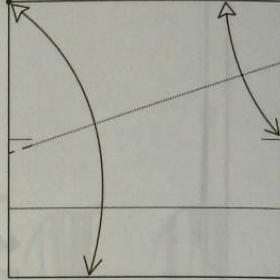
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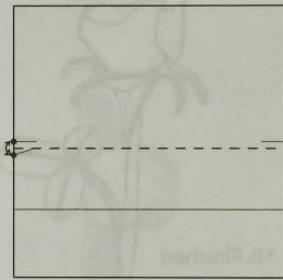
1. Begin with square, white up. Fold and unfold in half, pinching at the edges.



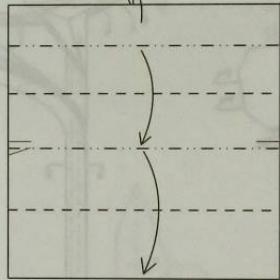
2. Fold and unfold.



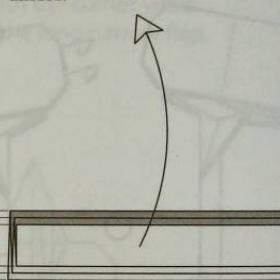
3. Bring the top left corner to the bottom edge and the top edge to the crease intersection along the right; pinch at the left edge and unfold.



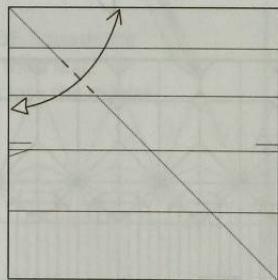
4. Bring the two crease intersections together, forming a horizontal crease all the way across the paper, and unfold.



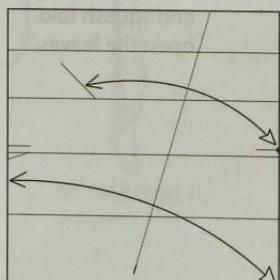
5. Using the first two creases as a guide, pleat the paper so that the distances between folded edges along the top and bottom are equal.



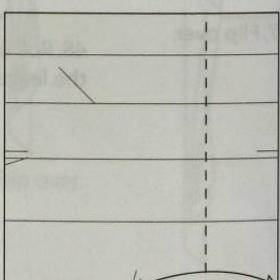
6. Unfold.



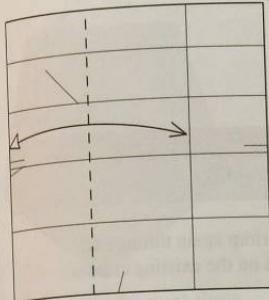
7. Make a pinch along the diagonal.



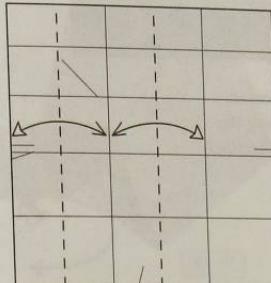
8. Bring two points along the right edge to the left edge and the diagonal pinch, making a new pinch along the bottom edge.



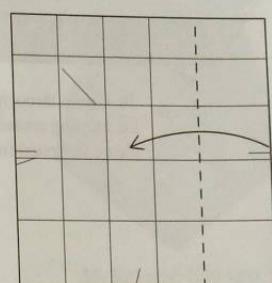
9. Bring the two points together, forming a vertical crease from bottom to top, and unfold.



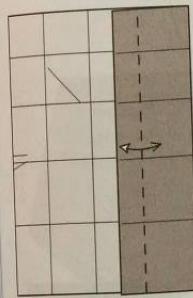
10. Fold and unfold.



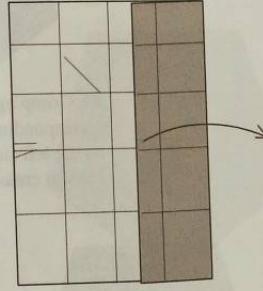
11. Fold and unfold.



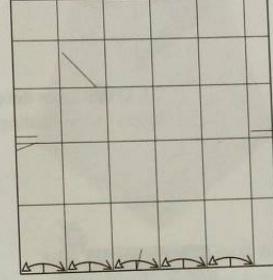
12. Fold the right edge in on the existing crease.



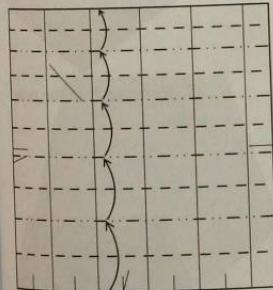
13. Fold and unfold, forming a crease aligned with the crease on the far layer of paper.



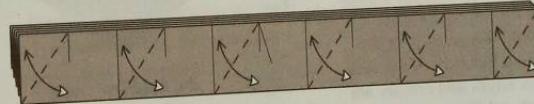
14. Unfold.



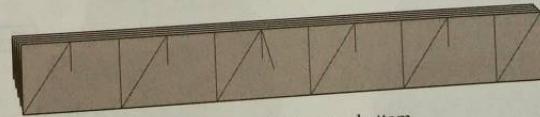
15. Divide each full panel in half along the bottom edge.



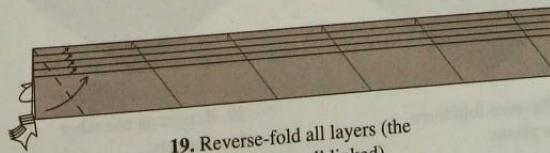
16. Pleat, making the mountain folds on existing creases and the valley folds so that all folds are aligned along the top edge.



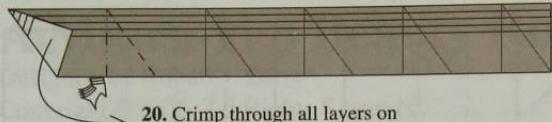
17. Crease through all layers.



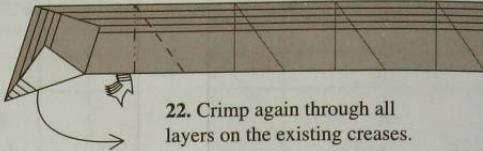
18. Turn over from top to bottom.



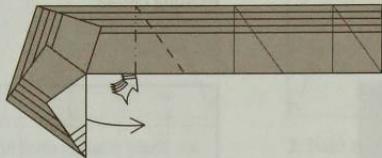
19. Reverse-fold all layers (the reverse folds are all linked).



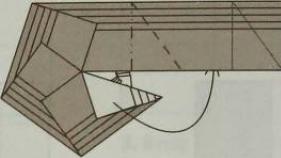
20. Crimp through all layers on the existing creases, keeping the pleats separated from one another.



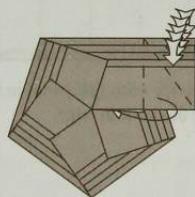
22. Crimp again through all layers on the existing creases.



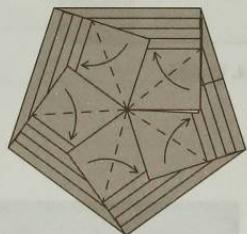
23. Crimp again through all layers on the existing creases.



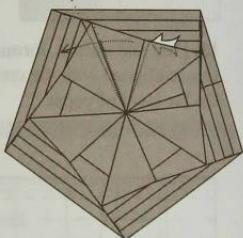
24. Crimp again, tucking each corner into a corresponding pocket. Note that raw edges on the left side should exactly line up with vertical creases on the right.



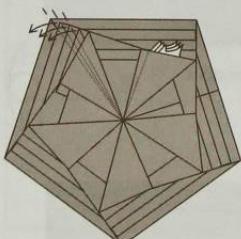
25. Reverse-fold 5 edges, wrapping the paper over the coiled-up left side. Make sure the raw edges and creases are aligned and flatten completely.



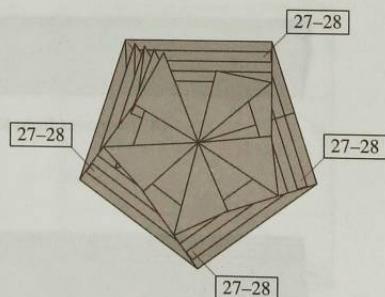
26. Fold five flaps counterclockwise.



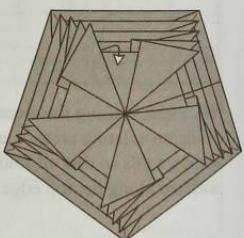
27. Reverse-fold the near pleat.



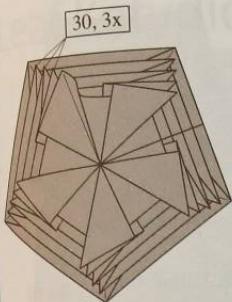
28. Reverse-fold three more pleats.



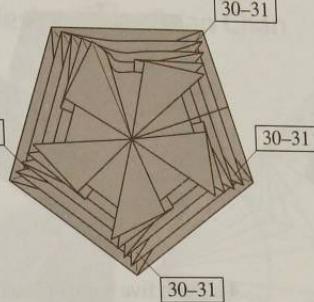
29. Repeat on the other four corners.



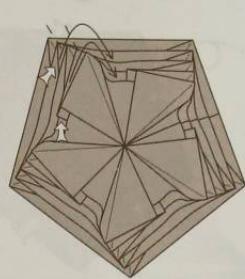
30. Pull the excess paper out of the pocket as far as possible. The result will not lie flat.



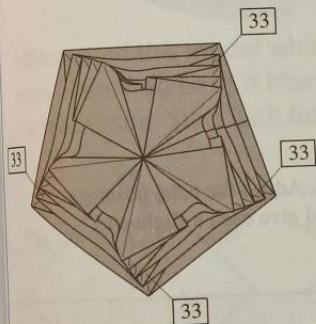
31. Repeat on the next three corners. Again, the result will not lie flat (nor will it for the remainder of the model).



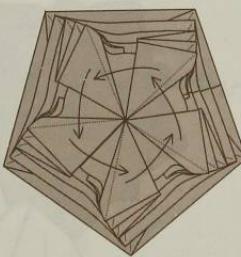
32. Repeat on the other four corners.



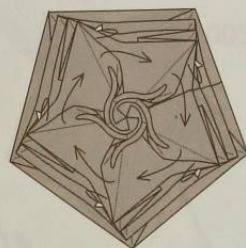
33. Reverse-fold two edges.



34. Repeat on the other four corners.



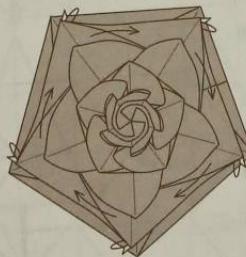
35. Lift and curl the innermost flaps around each other, forming a tight, upright cone. Each corner in the cone should be locally flat with 3 layers pointing clockwise and 1 counterclockwise; see the next step for details.



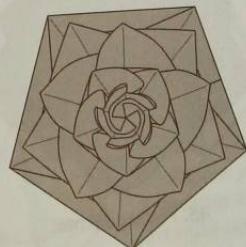
36. Lift and curl the next ring of corners into a looser cone; in this ring, each corner should have 3 layers pointing counterclockwise and one pointing clockwise, and the petals should be positioned in the gaps between the petals of the innermost ring.



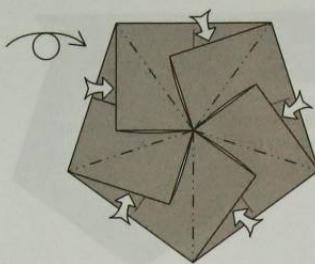
37. Lift and curl the next ring of corners into a still looser cone; in this ring, each corner should have 3 layers pointing clockwise and one pointing counterclockwise and again, the petals should be positioned in the gaps between the petals of the previous ring.



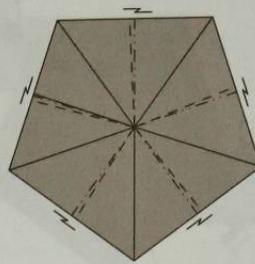
38. Lift and curl the next ring of corners into a very shallow cone as before.



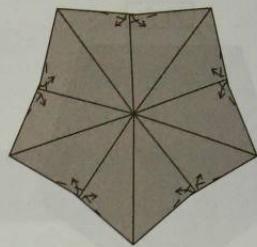
39. Turn the model over.



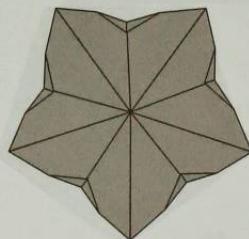
40. Reverse-fold the five corners into the interior of the model.



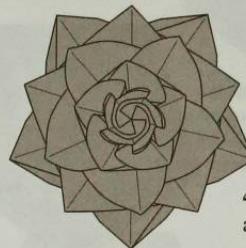
41. Form five narrow pleats. the paper becomes slightly conical with the edges pointing away from you.



42. Valley-fold the top of each pleat, squash-folding at the end of the pleat. This locks the pleat into place.



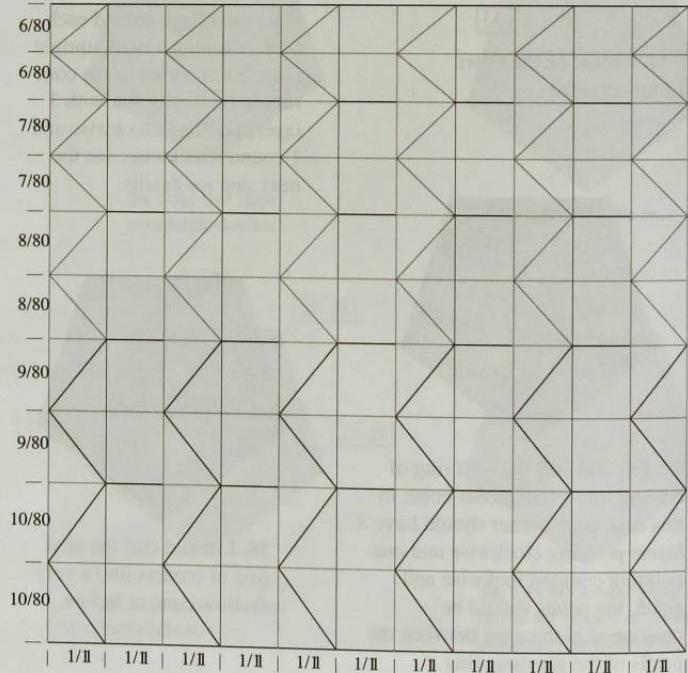
43. Turn the model over and rotationally adjust the petal positions so that each ring of petals lies in the gaps between the petals of the adjacent rings.



44. Adjust the petal positions and give each a slight curl.

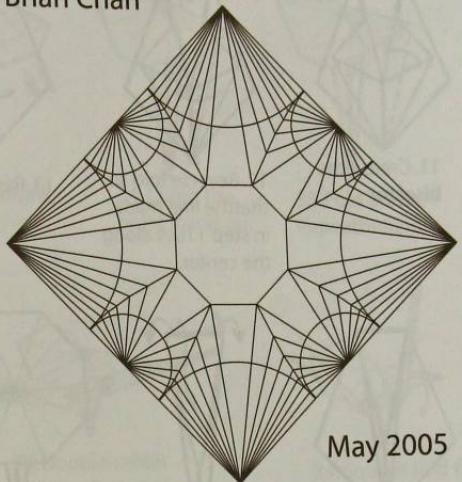
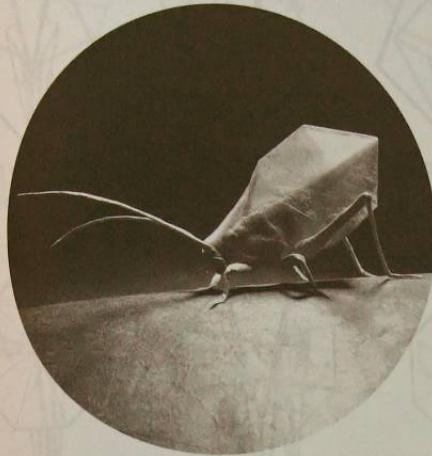


45. Finished Rose.



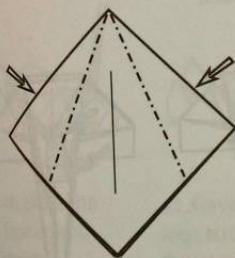
Leaf Katydid

designed by Brian Chan

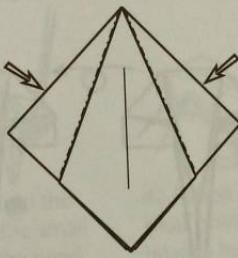


May 2005

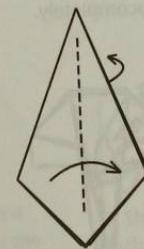
I discovered this model while exploring the various uses of the frog base. It is best folded from thin paper, such as tissue. Start with foil paper.



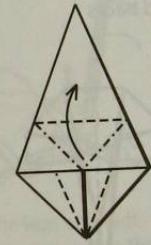
1. Start with preliminary fold, colored side up.
Reverse folds.



2. Repeat behind.



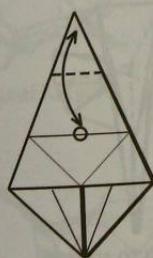
3. Fold one flap over,
repeat behind.



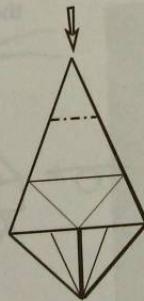
4. Petal fold.



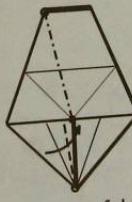
5. Unfold to
step 4.



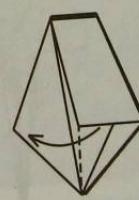
6. Fold to the horizontal
line and unfold.



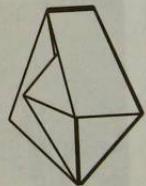
7. Open sink



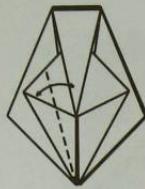
8. Reverse fold



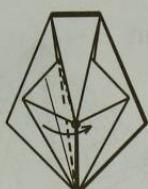
9. Reverse fold
from the centerline.



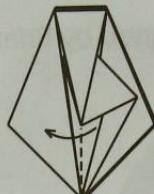
10. Repeat step
8 and step 9 on
the right side



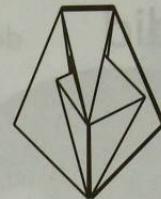
11. Create the bisector



12. Reverse fold so that the line made in step 11 lies along the center.



13. Reverse fold



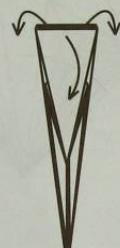
14. Repeat steps 11-13 on the right side,



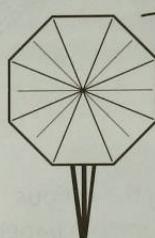
15. Reverse fold to the centerline.



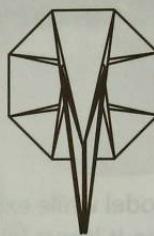
16. Repeat steps 8-15 on the sides and backs



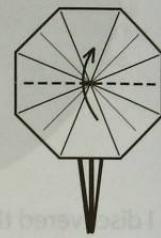
17. Open the top completely.



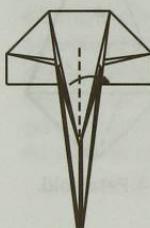
18. Flip over.



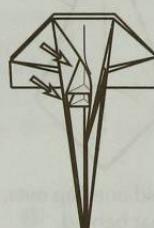
19. Note the arrangement of the layers.



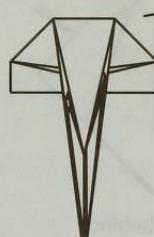
20. Fold the Octagon in half.



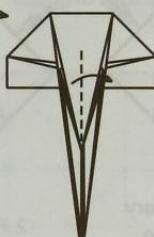
21. Partially fold the small flap to the right.



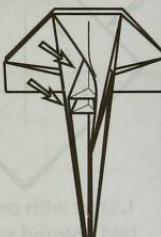
22. Spread-sink two triangles.



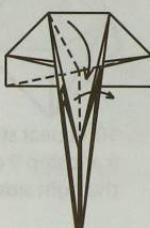
23. Flip over.



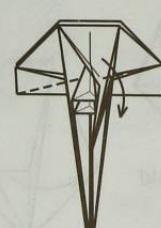
24. Repeat step 22 on the left side (not the right).



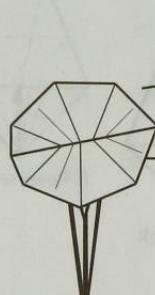
25. In progress.



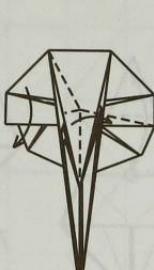
26. Fold down the edge of the octagon, while folding the small flap.



27. In progress.



28. Flip over.



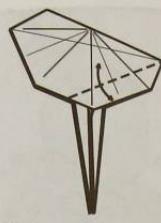
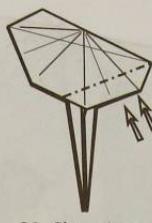
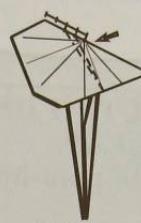
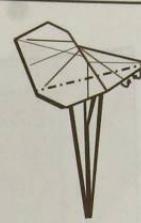
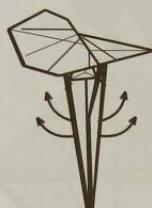
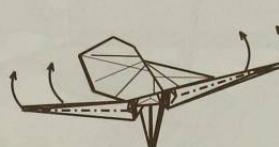
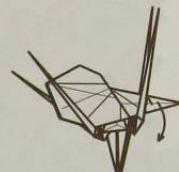
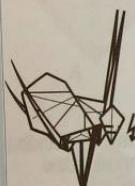
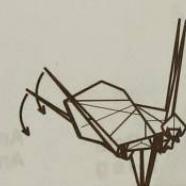
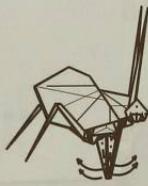
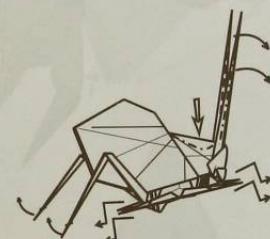
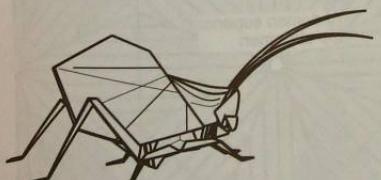
29. Similar to step 26. Note the asymmetry.



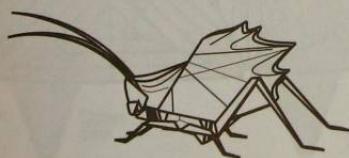
30. Reverse fold.



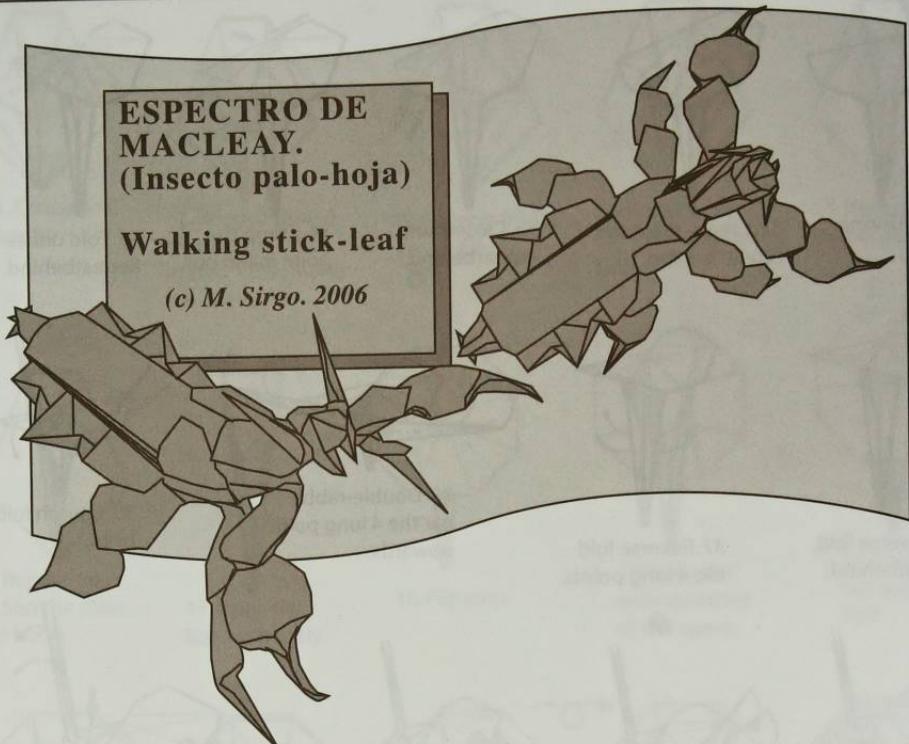
31. Unsink

32. Crease the edge,
repeat behind.33. Closed sink,
repeat behind.34. Crimp the
point in and out.35. Fold under.
Repeat behind.36. Reverse fold,
Repeat behind.37. Reverse fold
the 4 long points.38. Double-rabbit
ear the 4 long points
upwards.39. Squash fold the
head.40. Pleat the
face up and
down.41. Reverse fold the
legs, tuck in the small
flaps under the head.
Tuck the corner.42. Rabbit ear the 4
small points. Fold the
head in half.43. Shape the legs and feet.
Pinch the antenna to thin them
some more. Flatten the top of
the thorax (behind the head).

44. Finished Leaf Katydid.

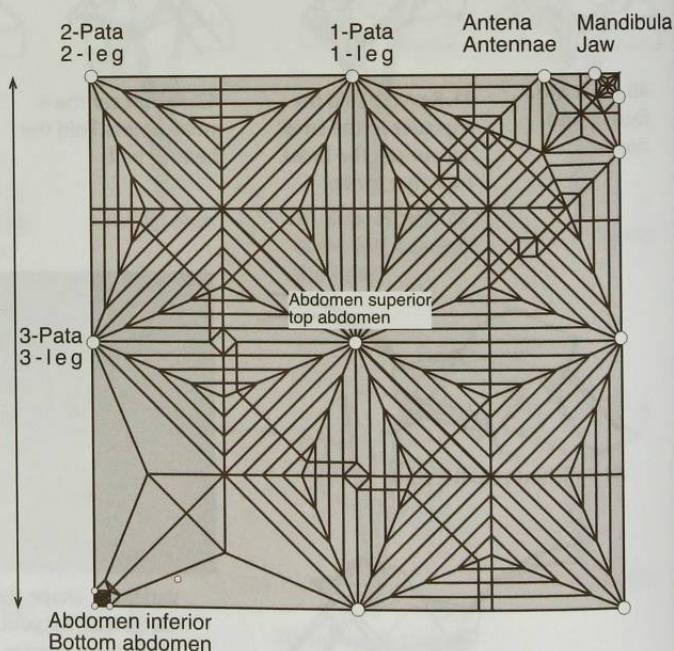
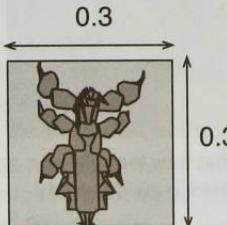


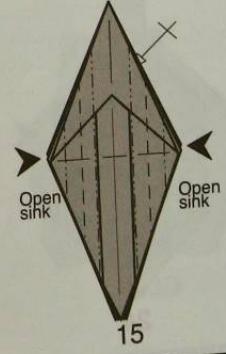
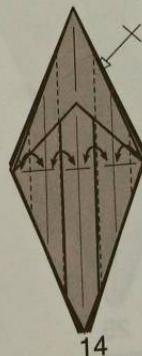
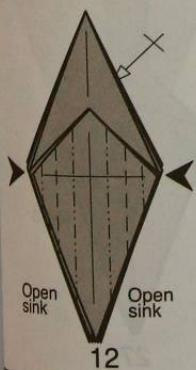
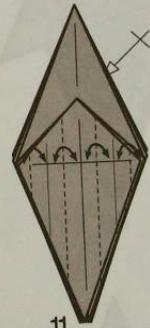
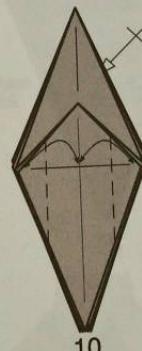
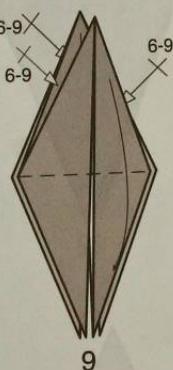
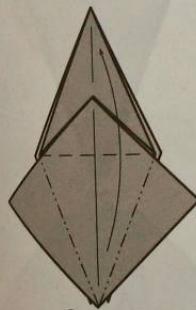
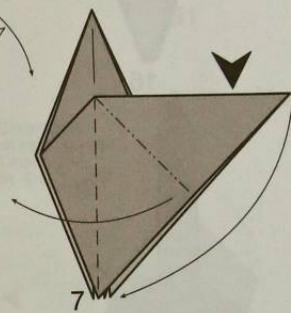
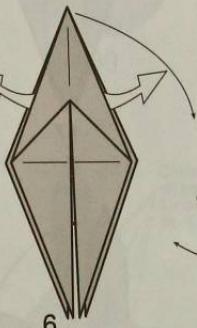
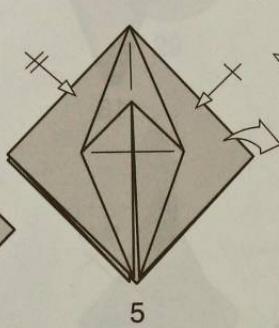
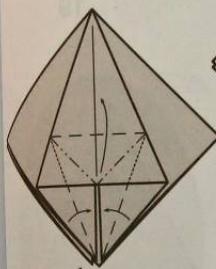
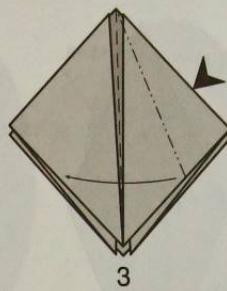
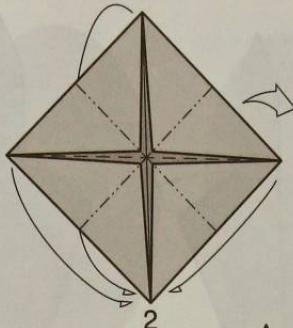
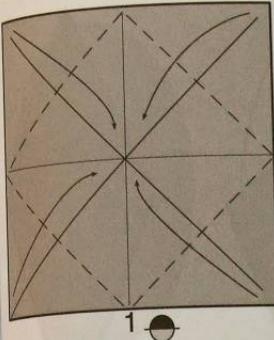
Variation: shape the wings so that they look like a "dead-leaf" katydid. In nature, there is a wide variety of different species. Patience in the final shaping of the model makes all the difference.

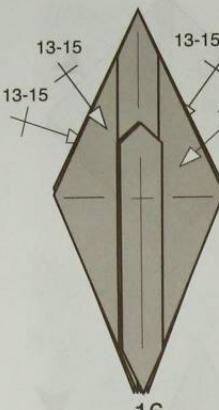


El papel debe ser verde o marrón. Se recomienda papel fino, menor de 30 gramos, doble seda, banana, lokta, metalizado o sandwich de 30x30 cm o mayor.

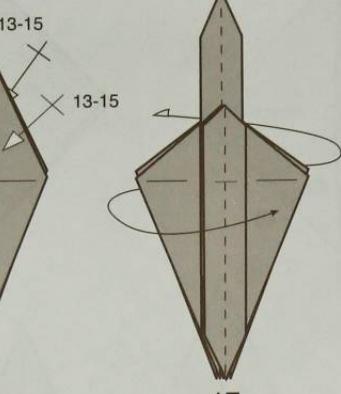
The paper should be green or brown. Fine paper is recommended, smaller than 30 grams, double silk, banana tree, lokta, metalized or sandwich of 30x30 cm or bigger.



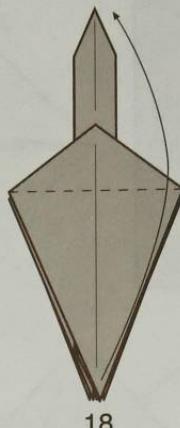




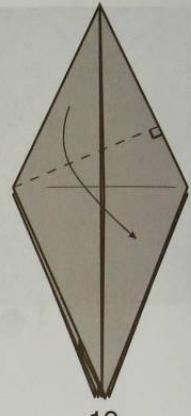
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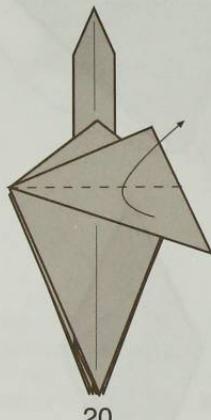
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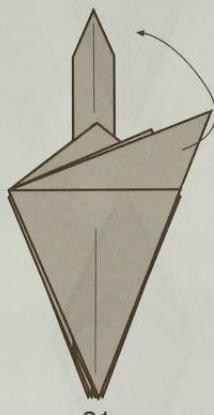
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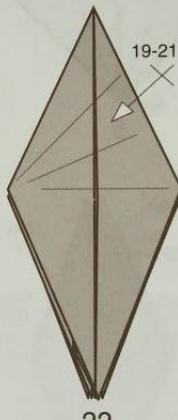
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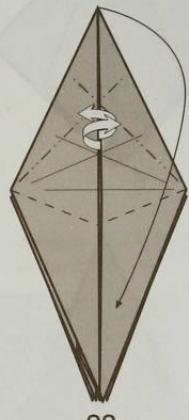
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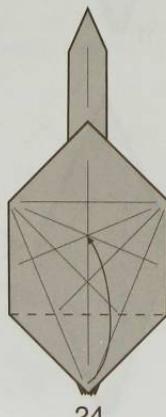
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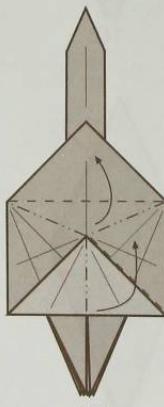
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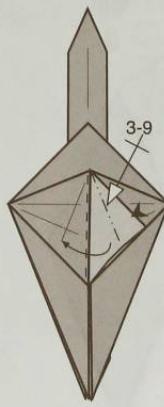
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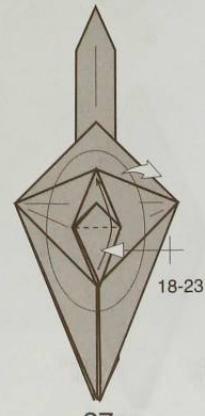
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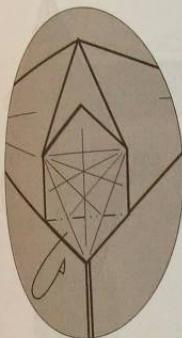
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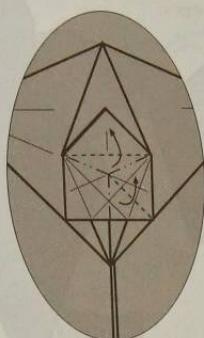
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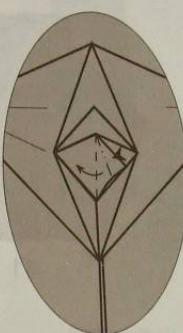
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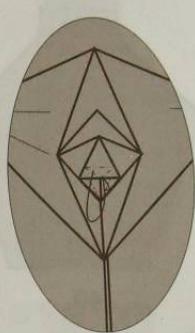
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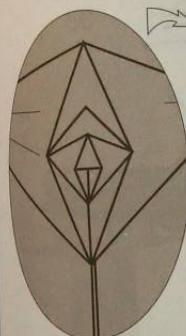
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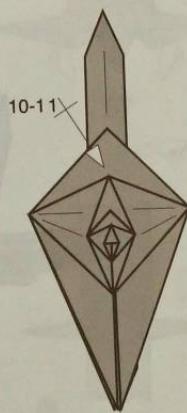
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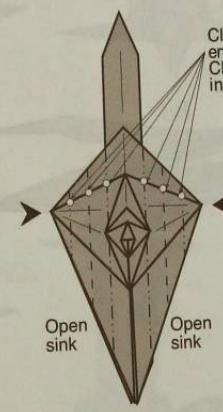
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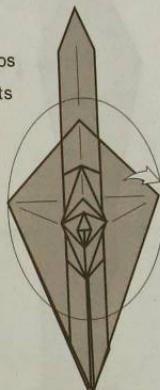
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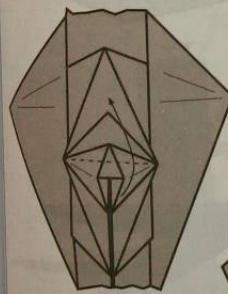
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Closed sink
en estos puntos
Closed sink
in these points

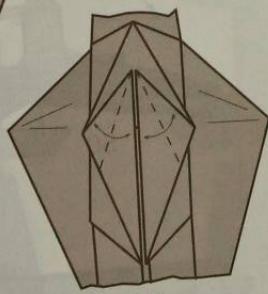
Open sink



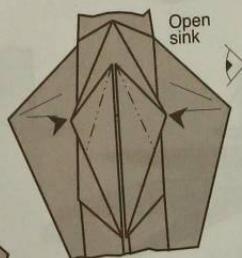
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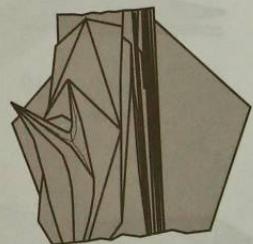
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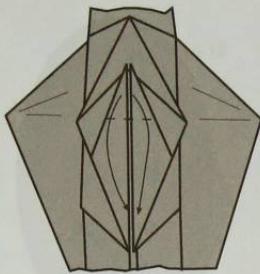
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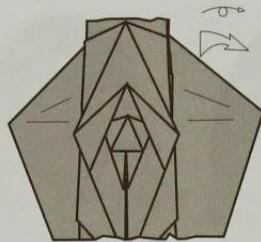
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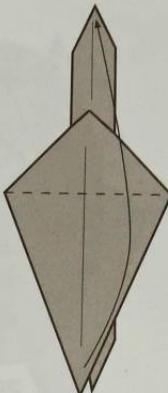
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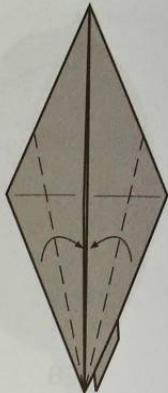
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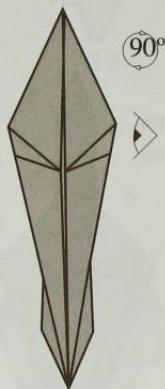
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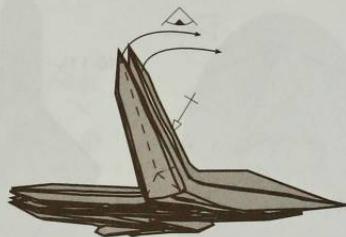
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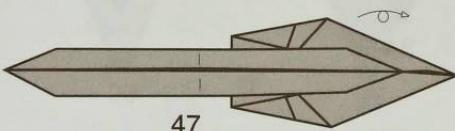
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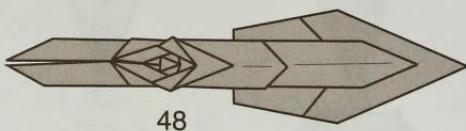
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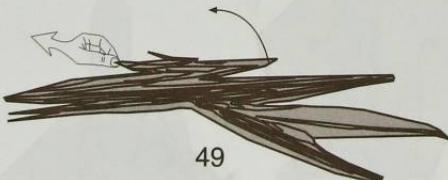
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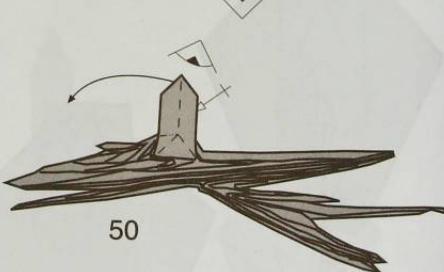
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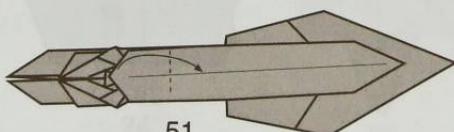
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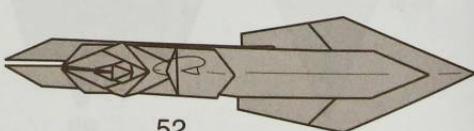
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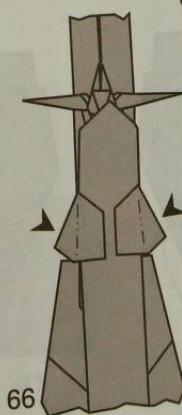
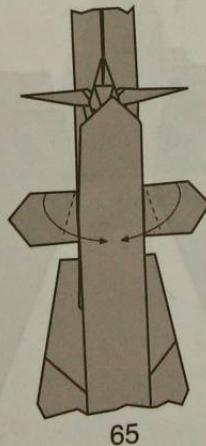
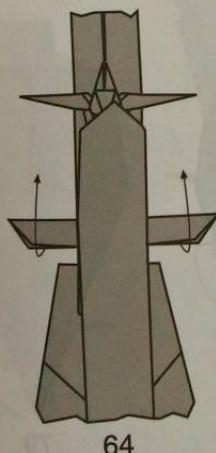
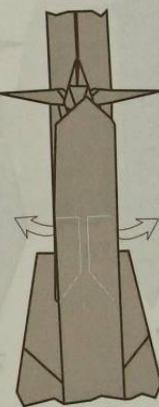
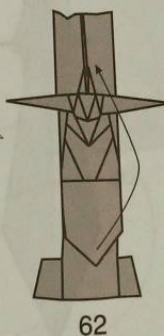
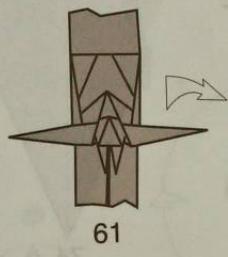
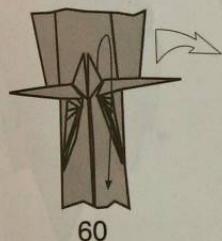
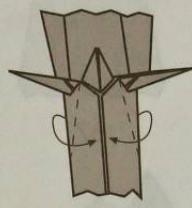
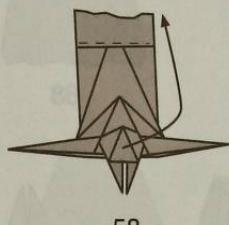
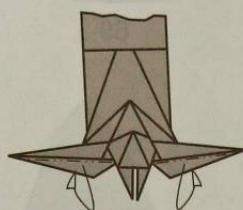
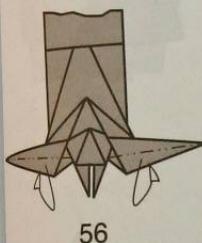
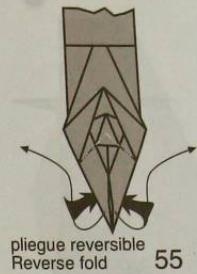
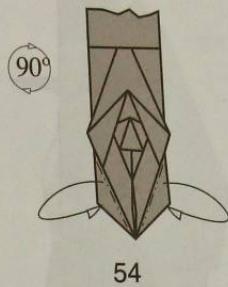
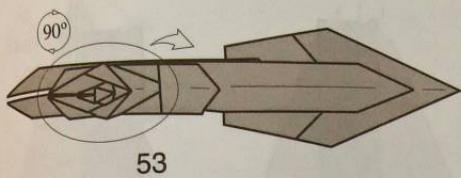
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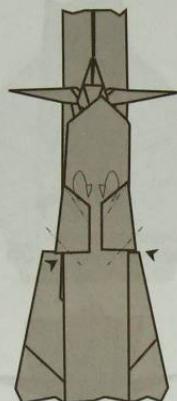


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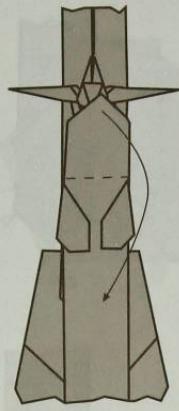


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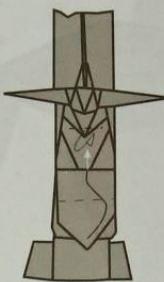




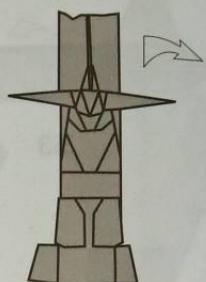
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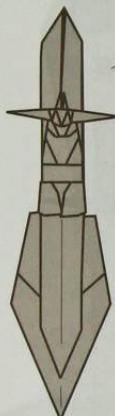
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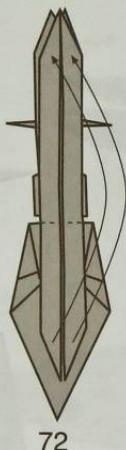
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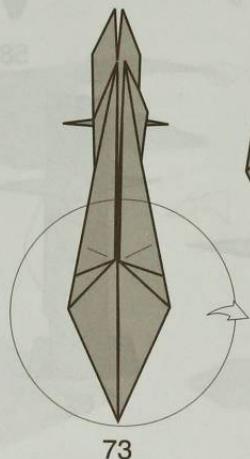
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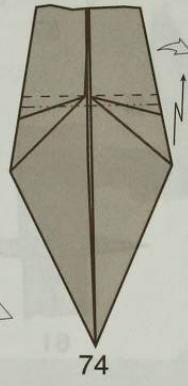
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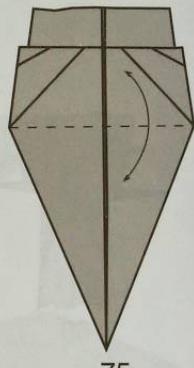
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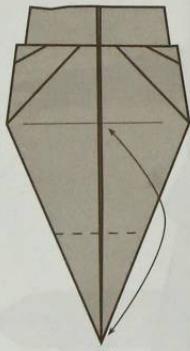
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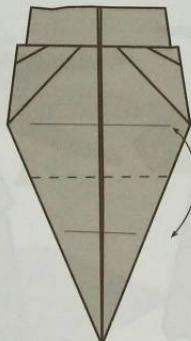
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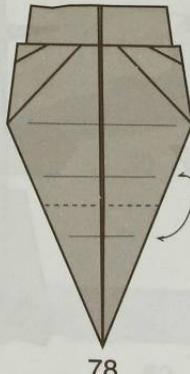
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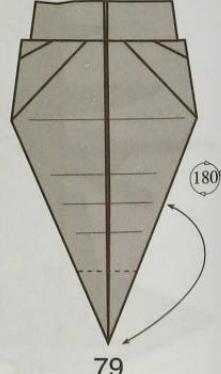
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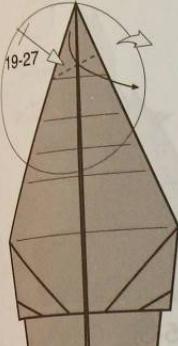
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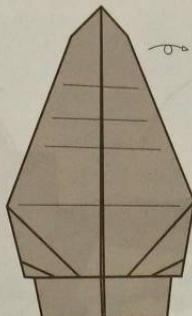
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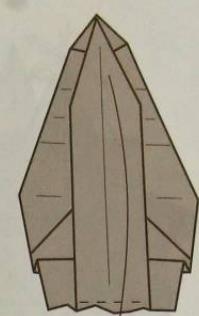
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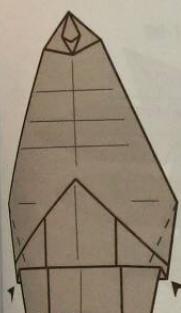
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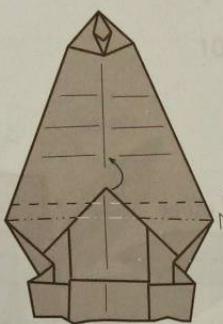
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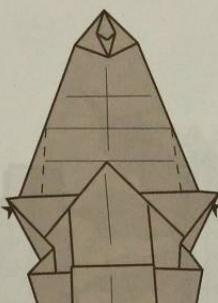
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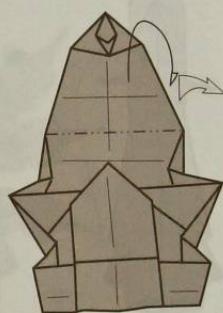
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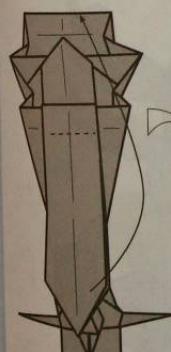
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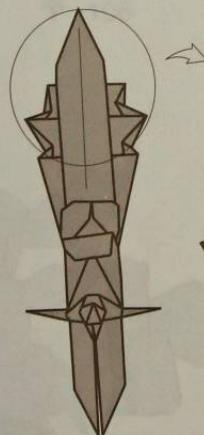
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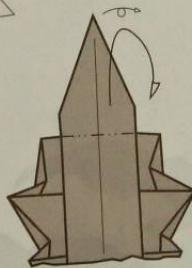
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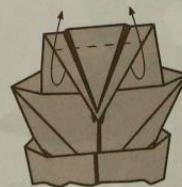
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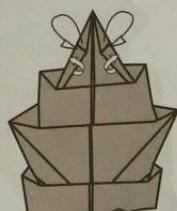
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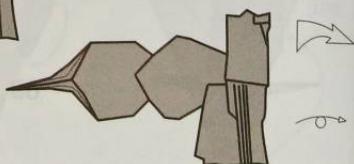
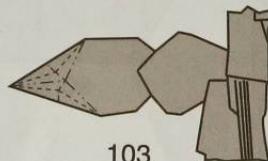
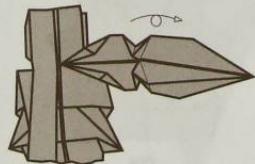
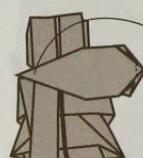
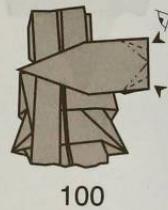
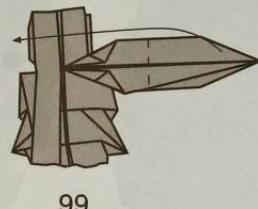
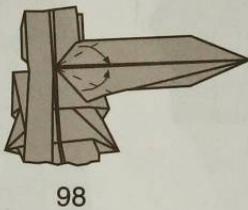
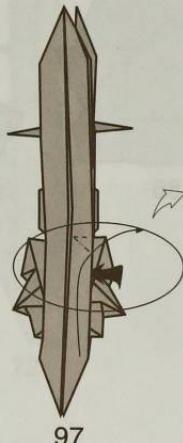
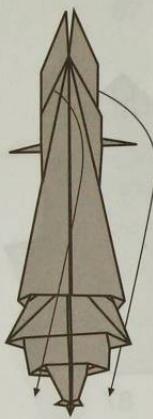
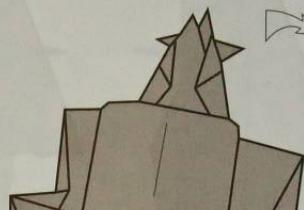
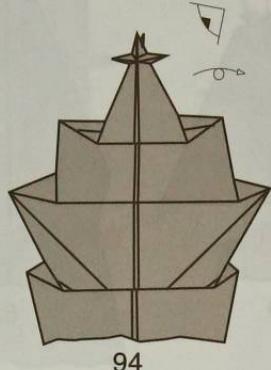
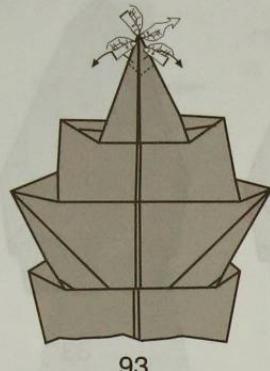
90

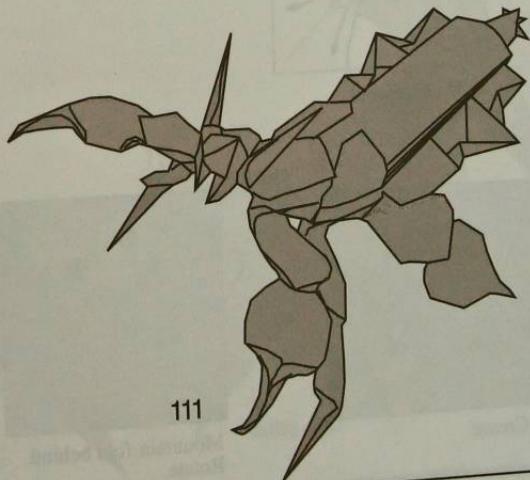
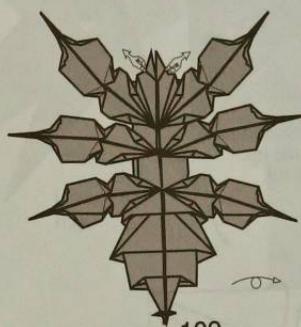
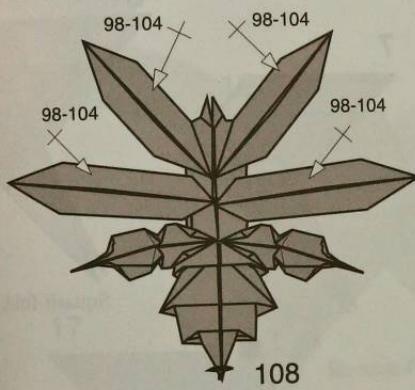
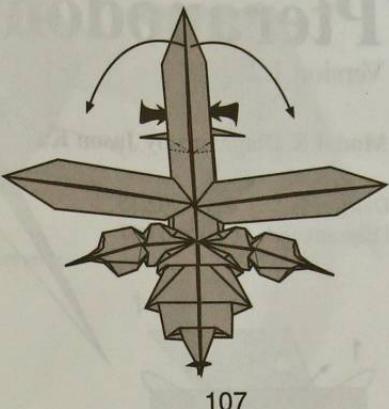
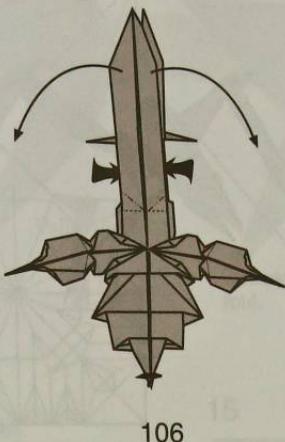
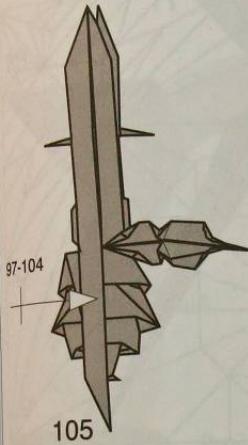


91



92





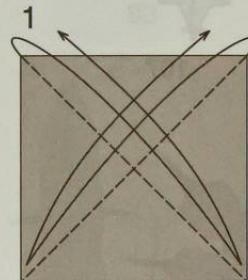
Pteranodon

Version 1.2

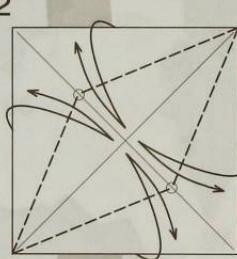
Model & Diagrams by Jason Ku

Designed: ©2005/02/15

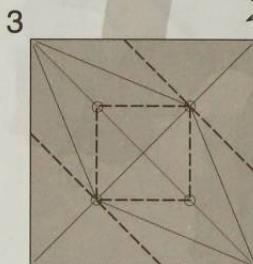
Diagrammed: ©2005/03/07



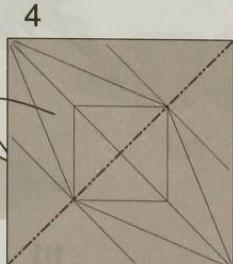
Start color side up.
Fold and unfold.
Turn over.



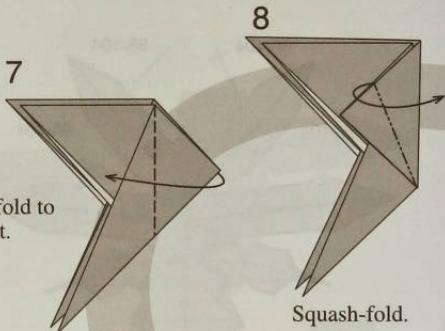
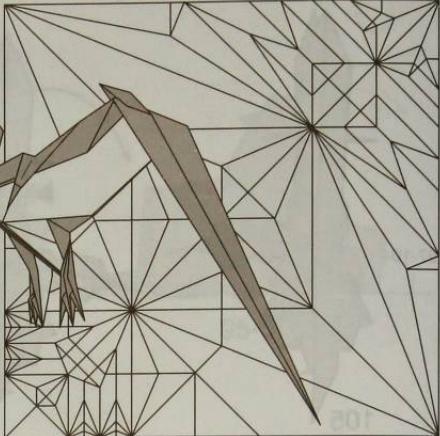
Fold and unfold.
Turn over.



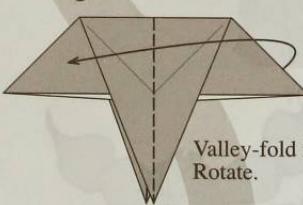
Crease.



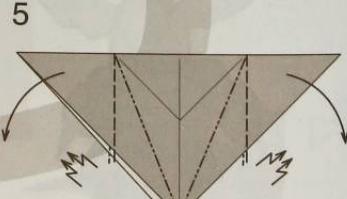
Mountain-fold behind.
Rotate.



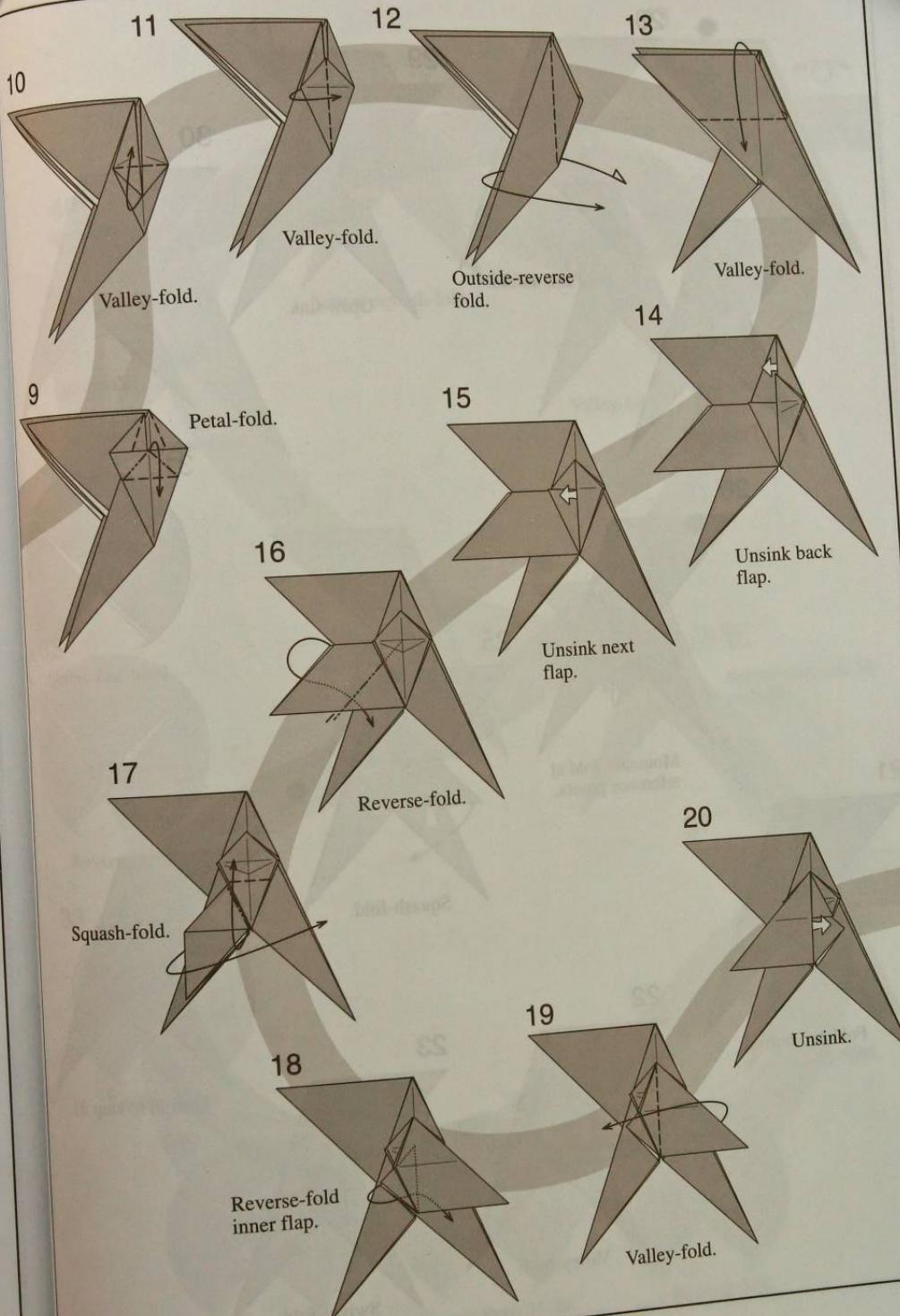
Squash-fold.



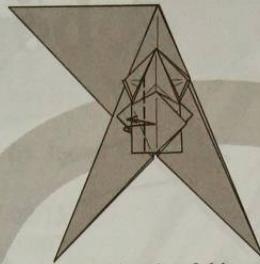
Valley-fold in half.
Rotate.



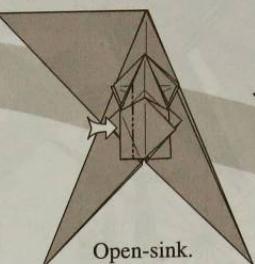
Crimp both sides along
existing creases.



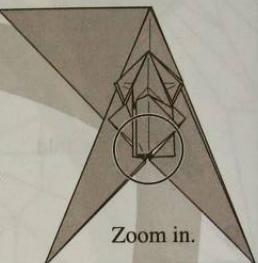
28



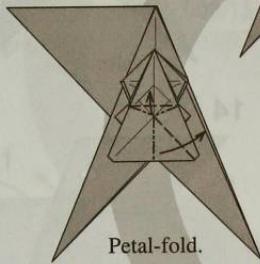
29



30

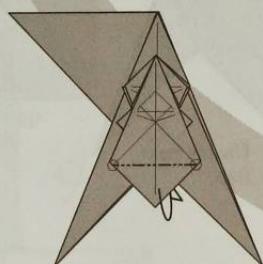


27

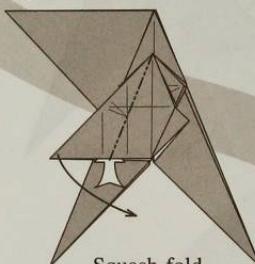


Fold and unfold.

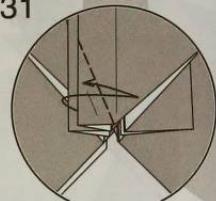
26



25

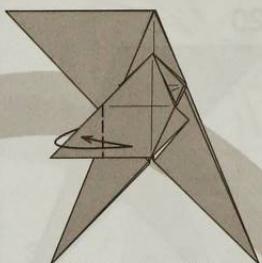


31



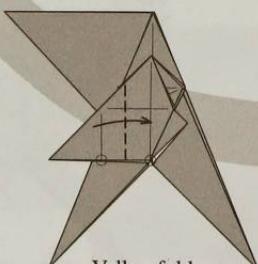
Fold and unfold.

21



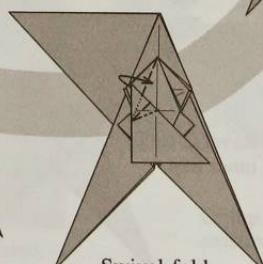
Fold and unfold.

22



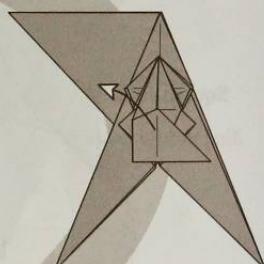
Valley-fold.

23



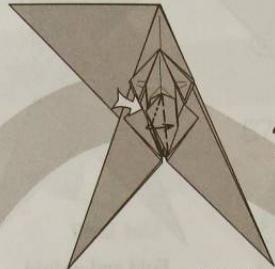
Swivel-fold.

24

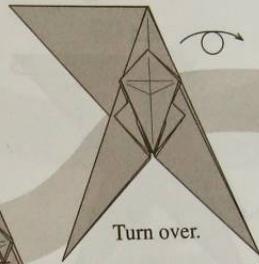


Unfold to step 21.

41



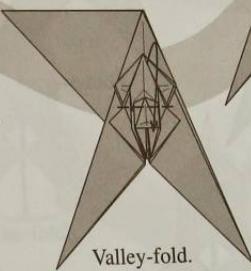
43



40

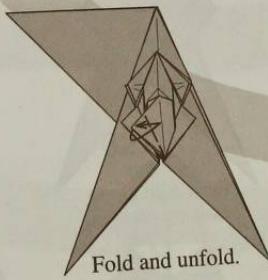


42

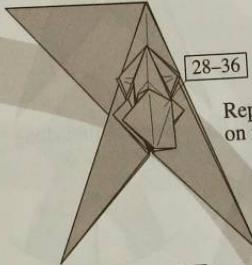


Turn over.

39



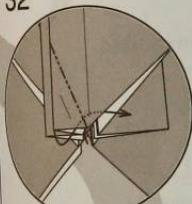
38



28-36

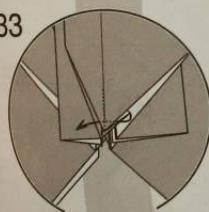
Repeat steps 28-36
on right.

32



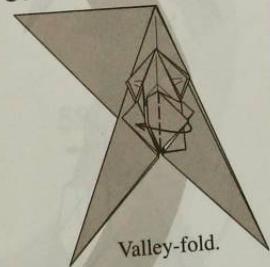
Reverse-fold.

33



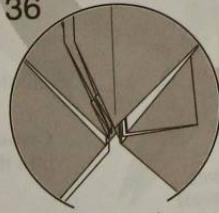
Reverse-fold.

37



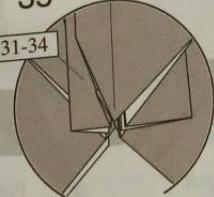
Valley-fold.

36



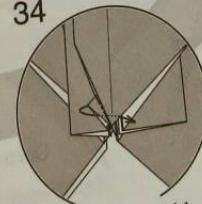
Zoom out.

35

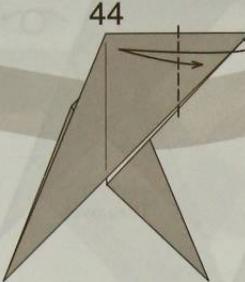


Repeat steps 31-34.

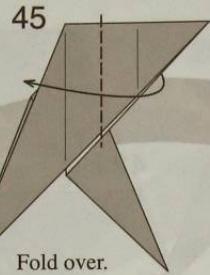
34



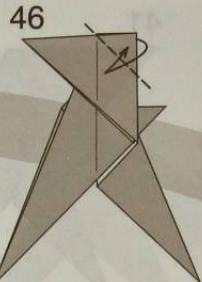
Reverse-fold.



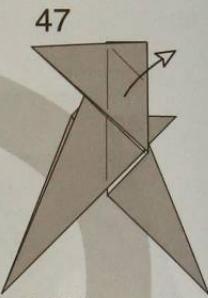
Fold and unfold.



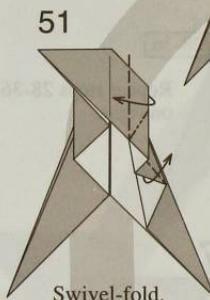
Fold over.



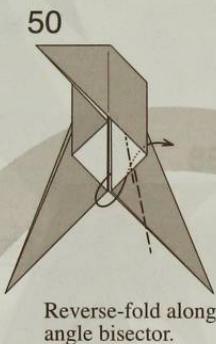
Fold and unfold.



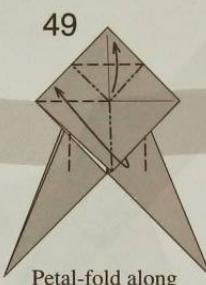
Unfold to step 44.



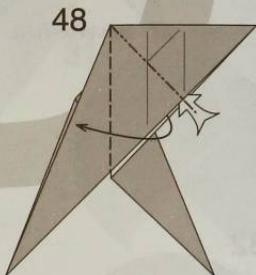
Swivel-fold.



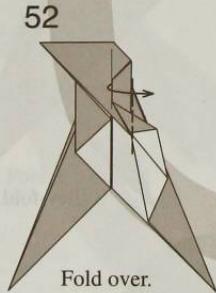
Reverse-fold along angle bisector.



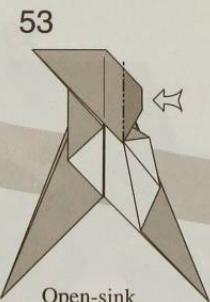
Petal-fold along existing creases.



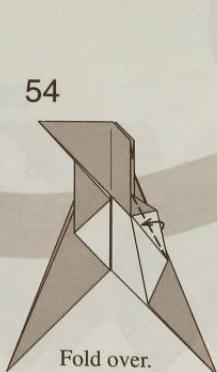
Squash-fold.



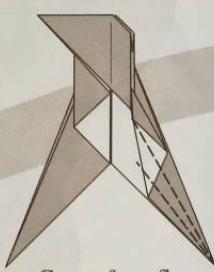
Fold over.



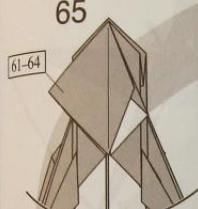
Open-sink.



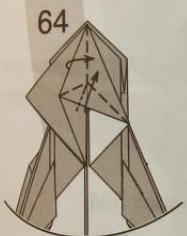
Fold over.



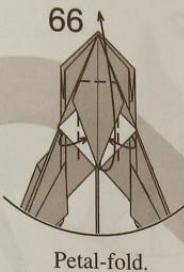
Crease front flap into thirds.



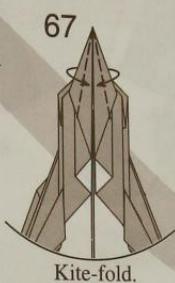
Repeat steps 61-64
on right.



Collapse.

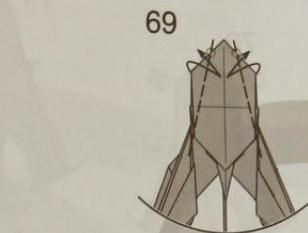


Petal-fold.



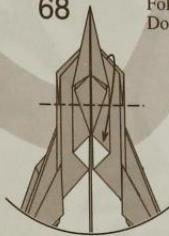
67

Kite-fold.

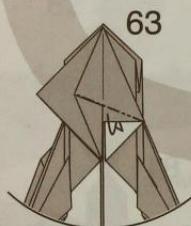


68

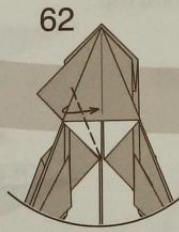
Fold and unfold.
Do not fold to a point.



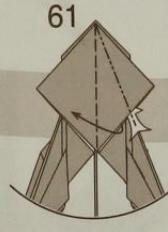
Valley-fold.



Mountain-fold.

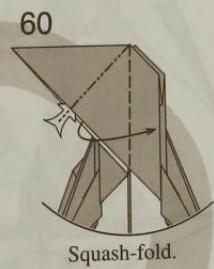


Valley-fold.



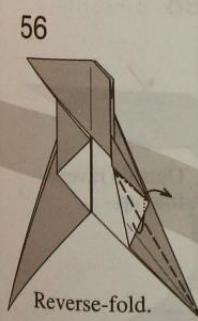
61

Squash-fold.

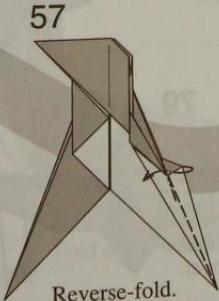


60

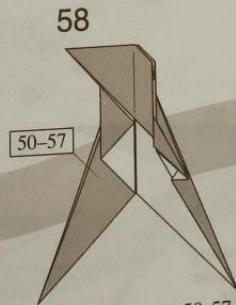
Squash-fold.



Reverse-fold.

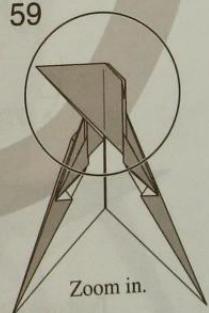


Reverse-fold.



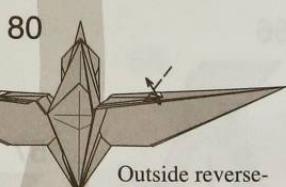
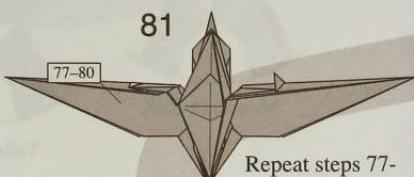
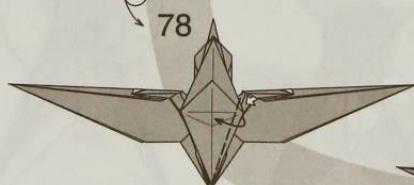
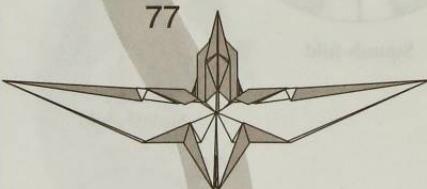
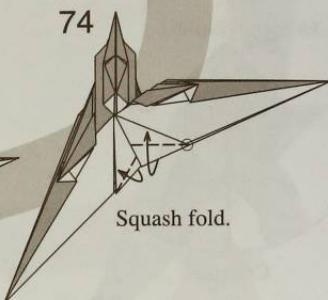
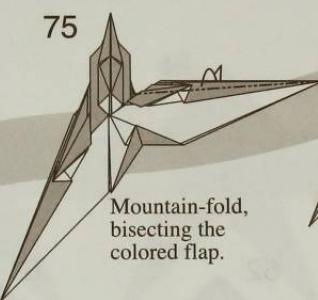
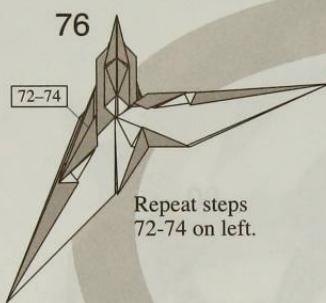
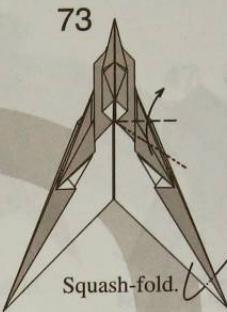
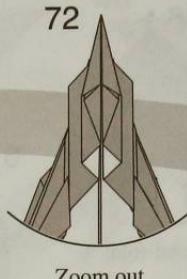
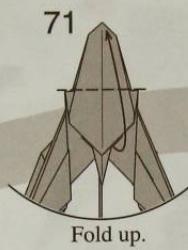
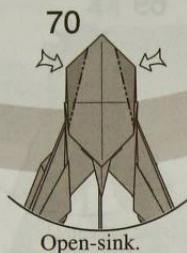
58

Repeat steps 50-57
on left.

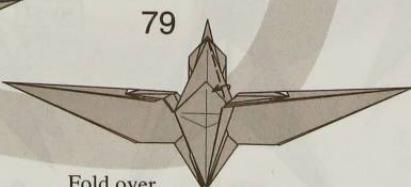


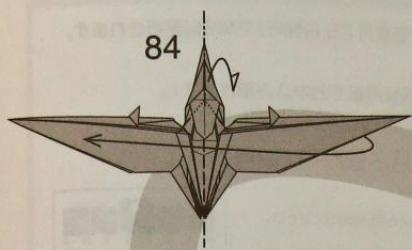
59

Zoom in.

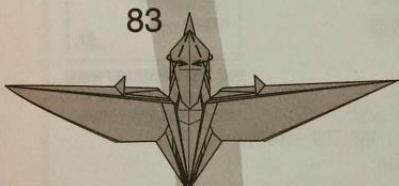


Fold over while pulling out some paper. Crease will not meet center.

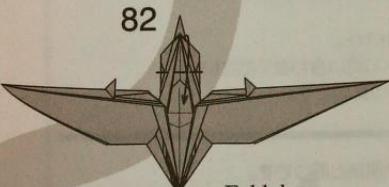




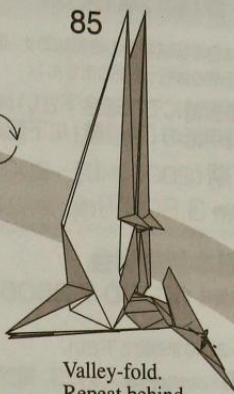
Valley-fold in half while
rabbit-earing the head
down. Rotate.



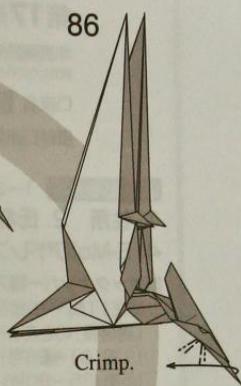
Kite-fold.



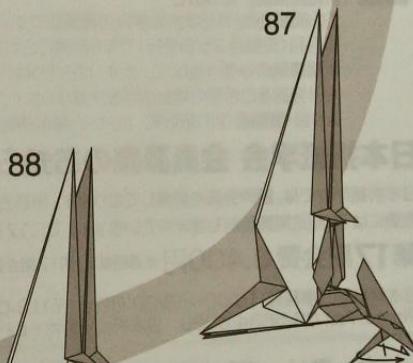
Fold down.



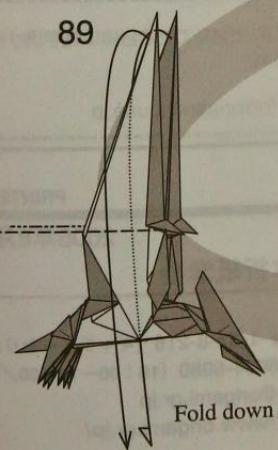
Valley-fold.
Repeat behind.



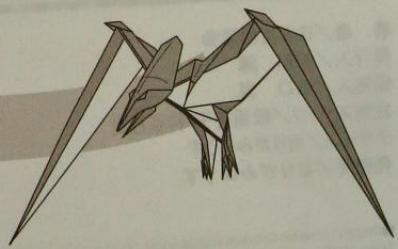
Crimp.



Outside reverse-fold.



Fold over.
Repeat behind.



雑誌「折紙探偵団」年間購読のご案内

雑誌「折紙探偵団」は日本折紙学会の機関誌です。隔月刊(奇数月25日発行)で年6回発行されます。年間購読制です(ばら売りは行っておりません)。

- 申込方法**
- 郵便振替にてご送金下さい(普通の振替用紙でお申込み頂けます)。
 - 振替用紙の「通信欄」に下記必要事項をご記入下さい。

第17期(2006年4月~2007年3月/97~102号)

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口座名 **日本折紙学会**

振替口座番号 00170-7-260699



記入必要事項 1~3は必ずお書き下さい。

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4. E-Mailアドレス 5. 性別 6. 生年月日 7. 職業

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表紙フルカラー/本文38ページ
(カラーポンチ2ページ含む)

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第17期会費 8,400円 ※通信欄に「第17期会費」と明記してください

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Phone/Fax 03-5684-6080 日本折紙学会ホームページ <http://www.origami.gr.jp/>

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第12回 折紙探偵団コンベンション折り図集

PRINTED IN JAPAN

2006年8月12日発行

著者/日本折紙学会

発行人/前川 淳

編集人/山口 真

編集スタッフ/松浦英子・神谷哲史

デザイン/おりがみはうす

発売元/おりがみはうす

発行所/日本折紙学会

113-0001

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■OrigamiTanteidan Convention Book vol.12 / Published on 12, August 2006 by Japan Origami Academic Society, 1-33-8-216 Hakusan Bunkyo-ku 113-0001 Tokyo JAPAN / Publisher : Maekawa Jun / Editor in Chief : Yamaguchi Makoto / Editorial Design : OrigamiHouse