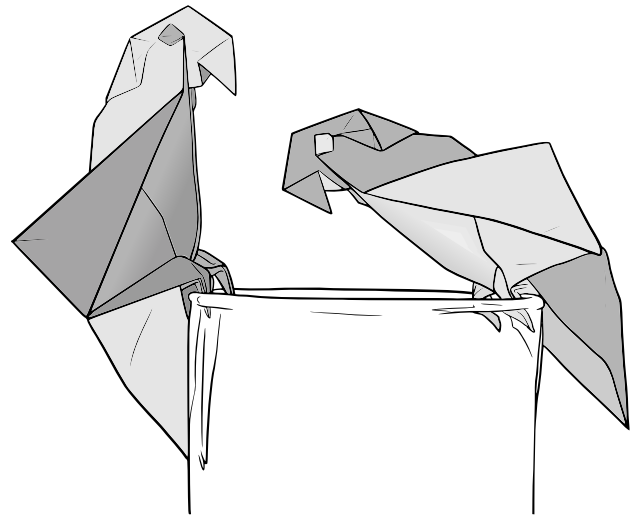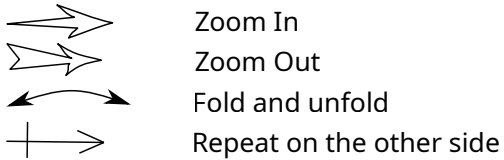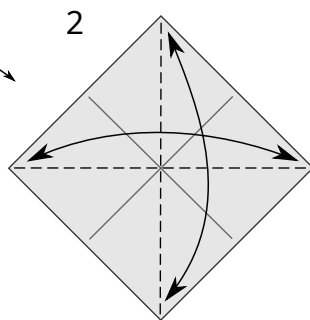# Perching Parrot
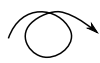
Design: Roman Gorelik
Instagram: @playful_origami
Years of design: 2022 - 2023
Diagrams: RG and Laura E Collins

Special symbols:

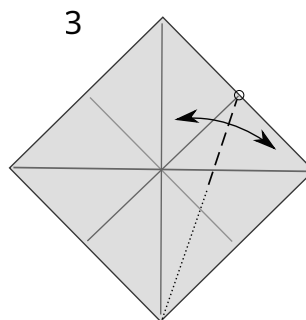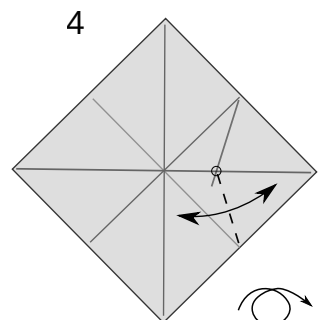Zoom In
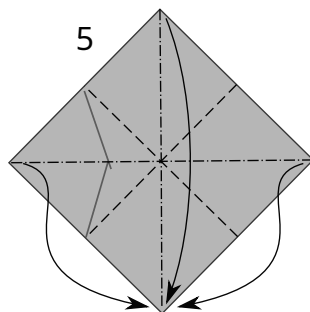Zoom Out
Fold and unfold
Repeat on the other side
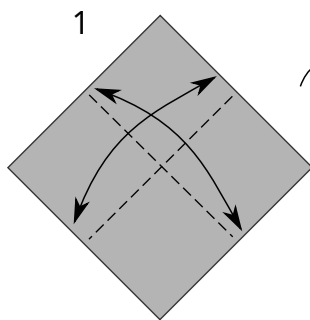
1
For a parrot with a light eye, start with the darker side up

2
Precrease the diagonals

3
Precrease to horizontal midline
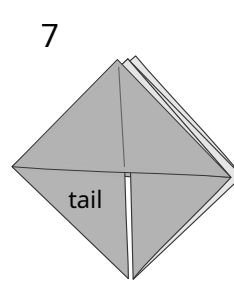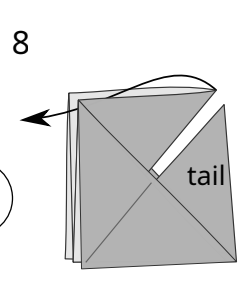
4
Precrease and turn over horizonatally

5
Collapse to prelimary base
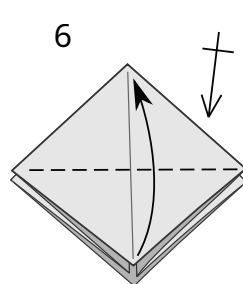
6
Fold up top layer. Repeat behind

7
tail
Rotate in plane

8
135°
tail
Invert

9
tail
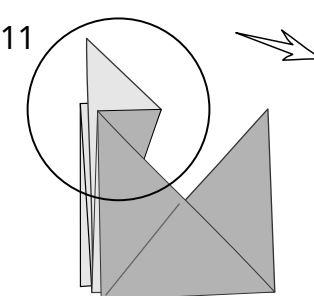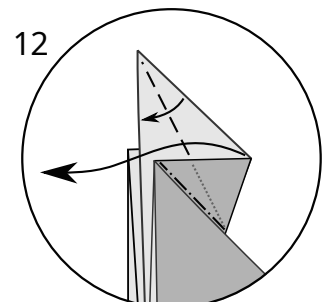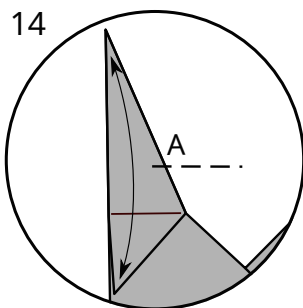A fish! Precrease the bisector
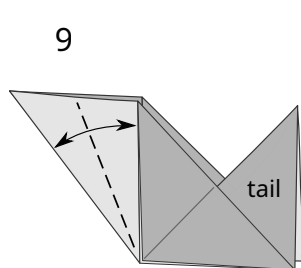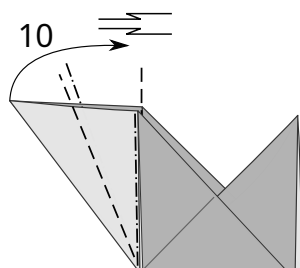
10
Crimp

11
A chick! Zoom on the head
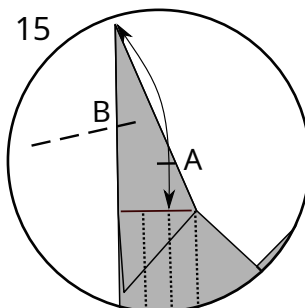
12
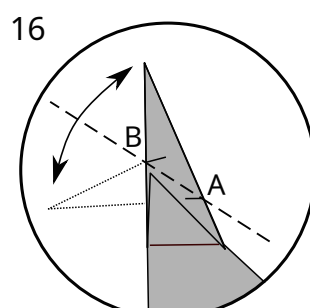Inside-reverse fold to make an eye stalk

13
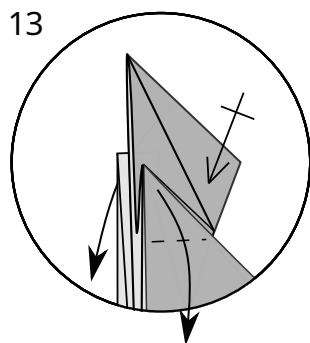
Repeat on the back
to form the rear eye stalk.
Fold both eye stalks down

14

Fold tip-to-tip
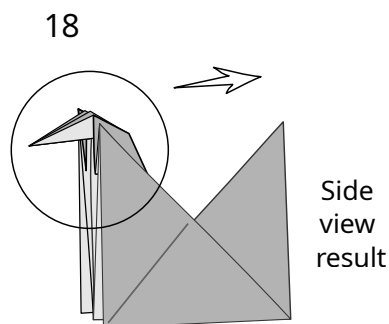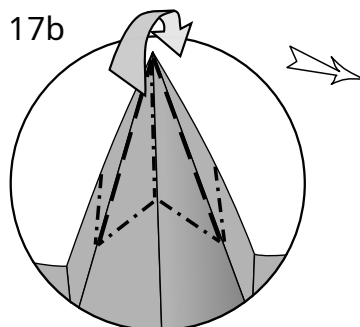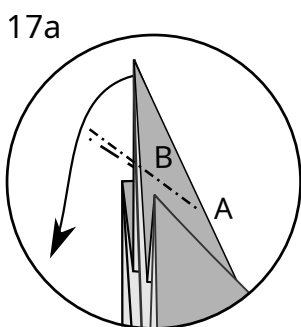to mark point A
at the edge. Unfold

15

Fold to the one-thirds line
to mark point B.
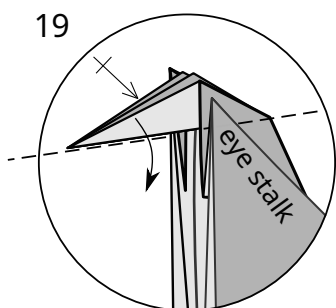Lift the eye stalks up

16

Precrease precisely
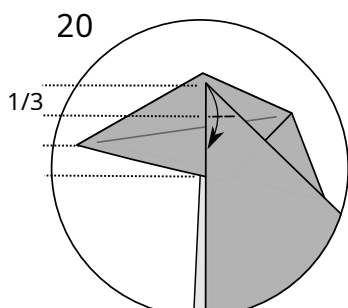through AB. Point B
should be slightly above
the tip of the eye stalk

17a

Double-
inside-reverse
fold along
crease AB. See
the next step for
the back view:
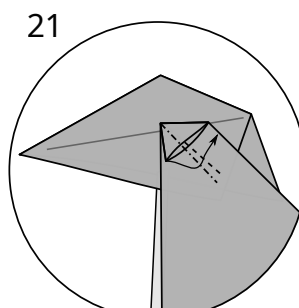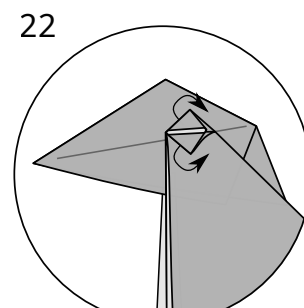collapsealonge he
indicated lines

17b

18

Side
view
result

19
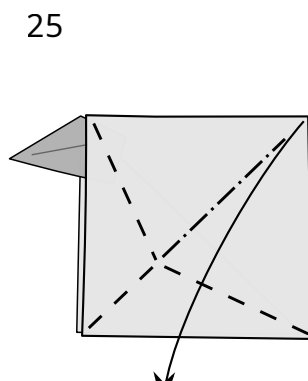

Fold down the nearest
layer of the head.
Repeat behind

20

1/3

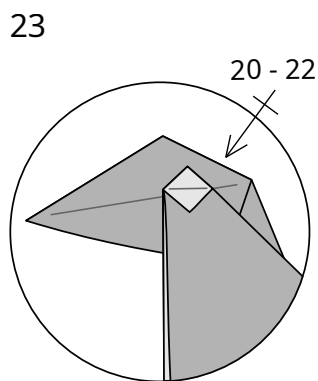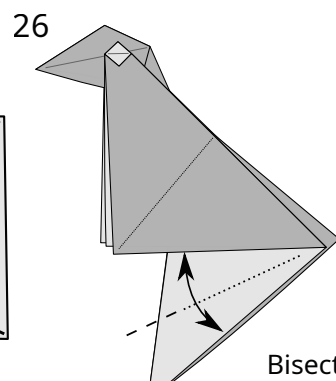
Fold the eye down
at the 1/3rds line

21

Squash-fold the eye

22

Invert the eye
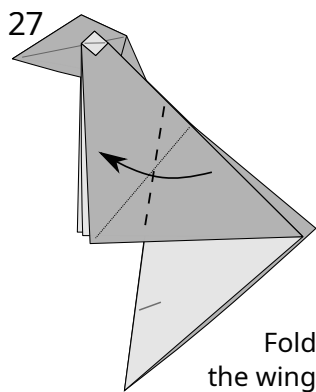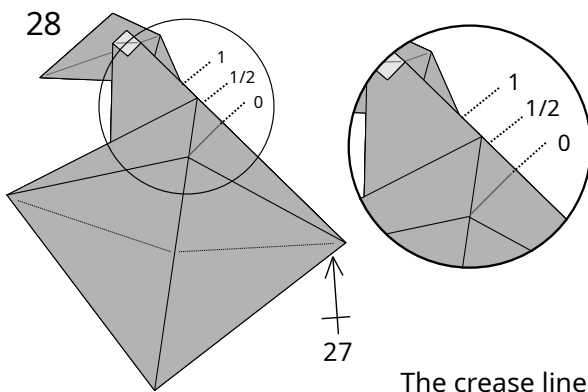
23

20 - 22

24
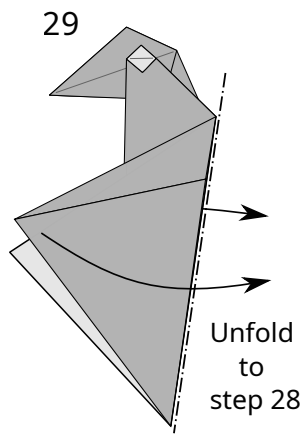

25
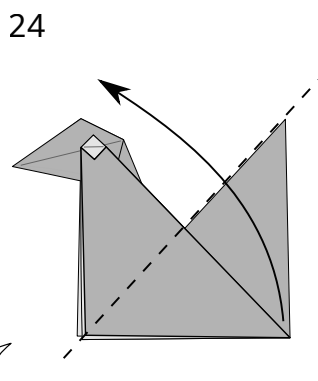
Collapse
on existing creases

26

Bisect
the tail
to make
a mark at the edge

27

Fold
the wing
forward,
extending the crease as
shown in the next step

28

1
1/2
0

1
1/2
0

27
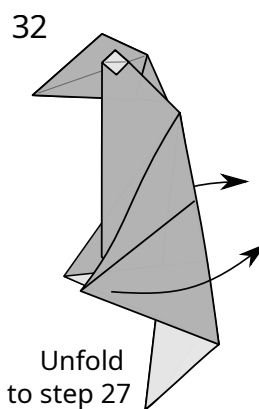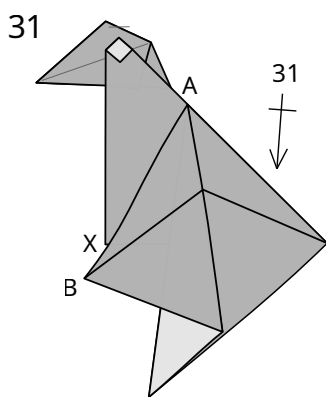
The crease line
should demarcate the back
segment slightly above the 1/2 mark.
See inset.

29
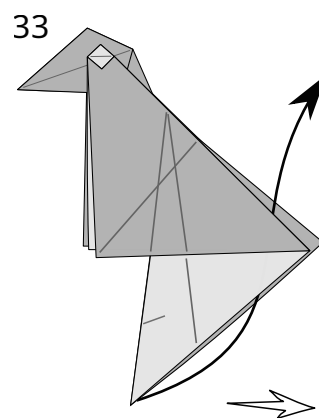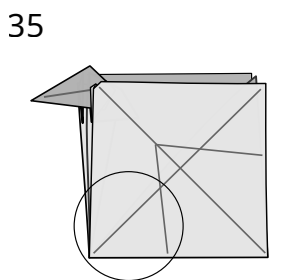
Unfold
to
step 28

30

A

X

B
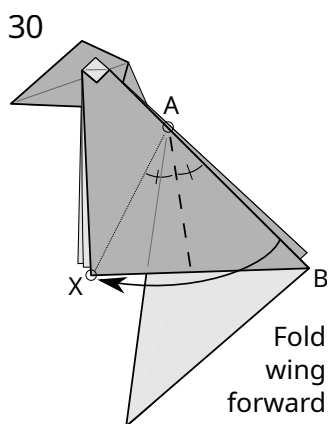
Fold
wing
forward
as shown

31

A

31

X

B

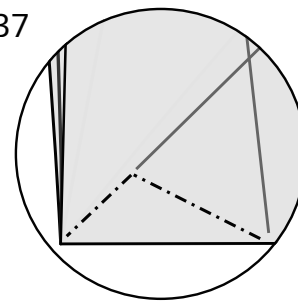**32**

Unfold
to step 27

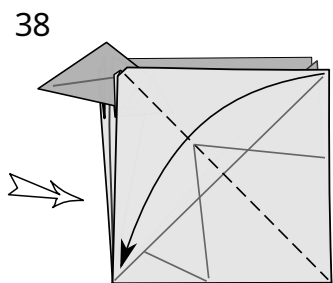**33**

34

Lift up the wings
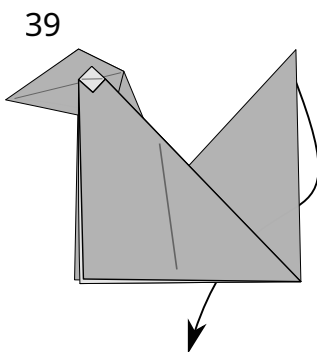
35

Zoom on the belly

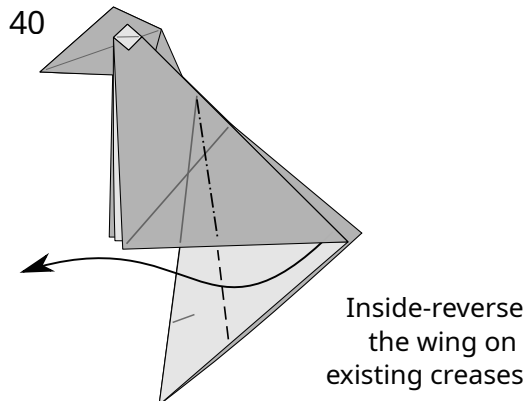**36**
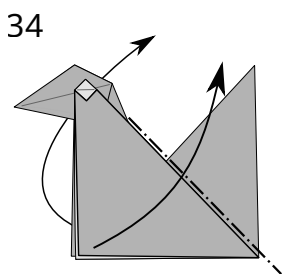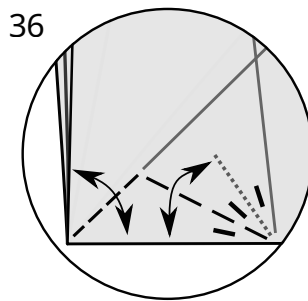
Precrease two segments
as shown, through all layers

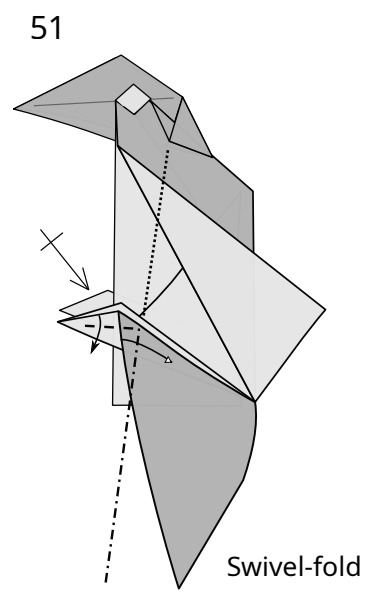**37**

Invert valleys to
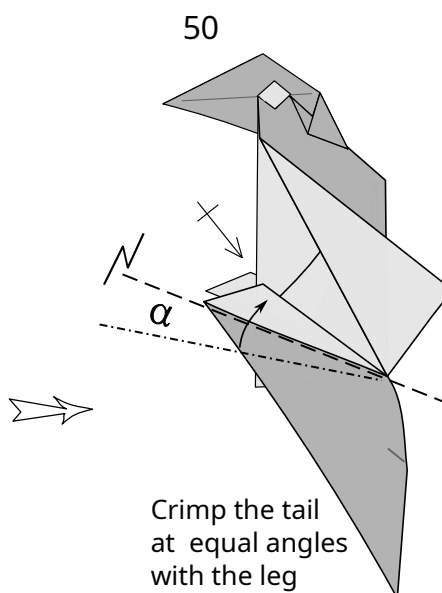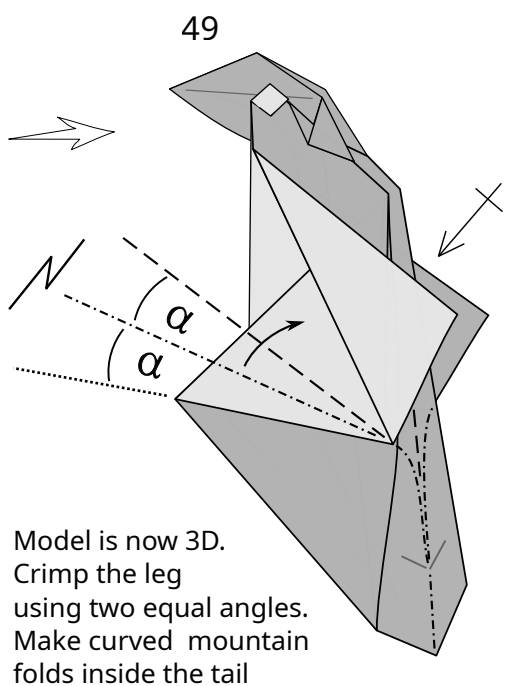mountain folds
on the top layer only

38

Bring the wing back down

39

Inside-reverse fold the tail

40

Inside-reverse
the wing on
existing creases

41

Fold
the
eye
stalk down

42

Liberate the layers as you
fold along the indicated
creases lines. See next ...

43

.Fold
back

44

Crimp behind
the eye to hide
layers behind
the eye stalk

45

Squash-fold
as shown to lock
the eye in place

46

41 - 45

Repeat behind

47

α

First, precrease the leg
with a mountain fold.
Repeat on the back leg.
Second, fold out the wings

48

Swing the tail back
to make the model 3D

49

α
α

Model is now 3D.
Crimp the leg
using two equal angles.
Make curved mountain
folds inside the tail

50

α

Crimp the tail
at equal angles
with the leg

51

Swivel-fold

52

Tuck
point B
into the leg

B

53

54

bisector

1/2
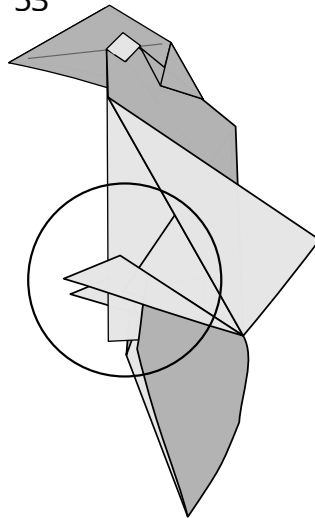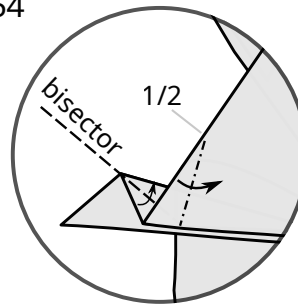
View of the back leg.
Swivel-fold. The valley
crease line bisects
the little triangle

55

Inside-reverse fold
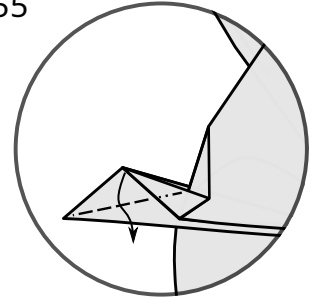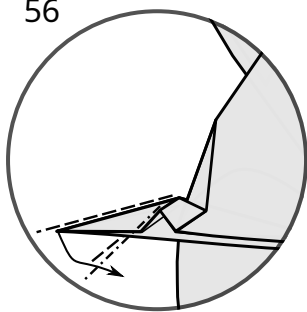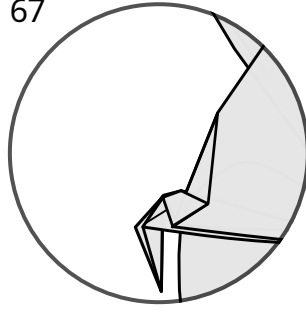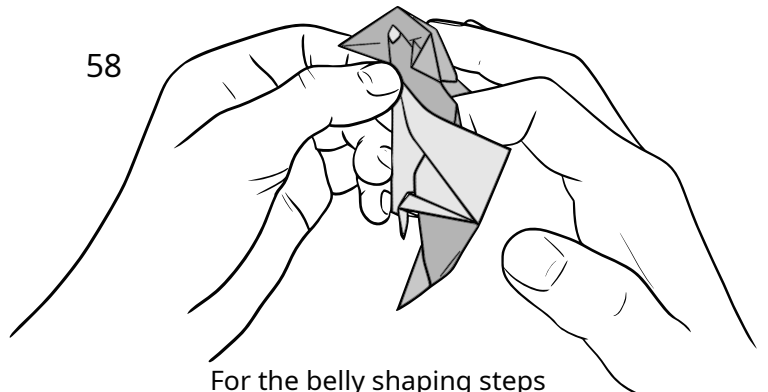to narrow the claw

56

Inside-reverse the claw
through the middlemost
layer to point it down

67

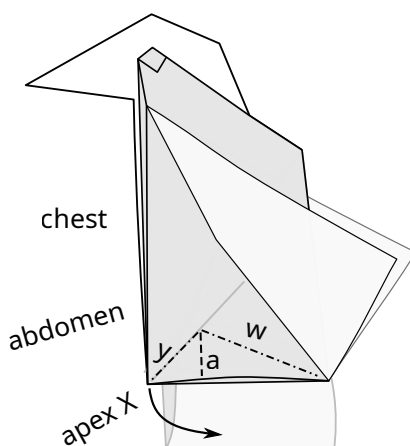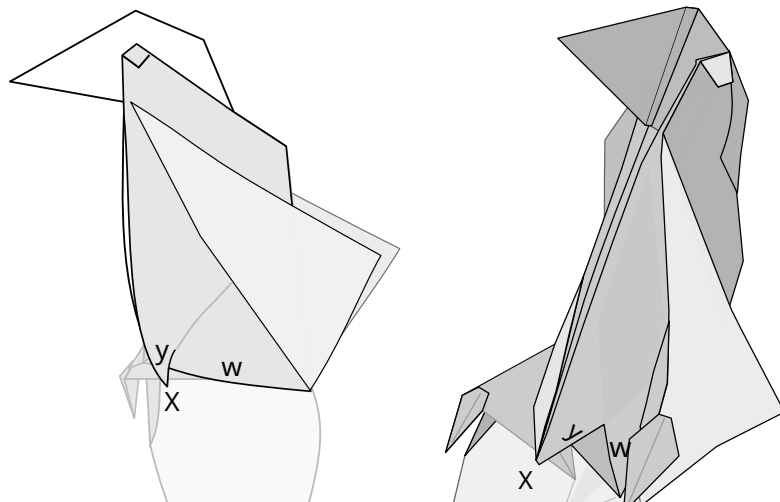Claw complete.
Zoom out

58

For the belly shaping steps
that follow, insert a finger between
the shoulder blades and use it as a counter support

59

chest

abdomen

y

a

w

apex X

60 (result)

y

w

X

y

w

X

Peel-away view:
Refold crease lines made in steps 36-37, which are labeled here as "y" and "w". As you do this, apex X
should move towards the dorsal part of the animal and crease "a" should rise up and be hidden inside
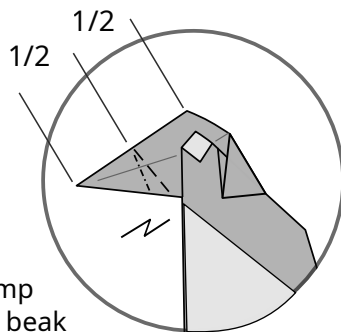the model. See the next page for hints on effectuating this transition.

59a
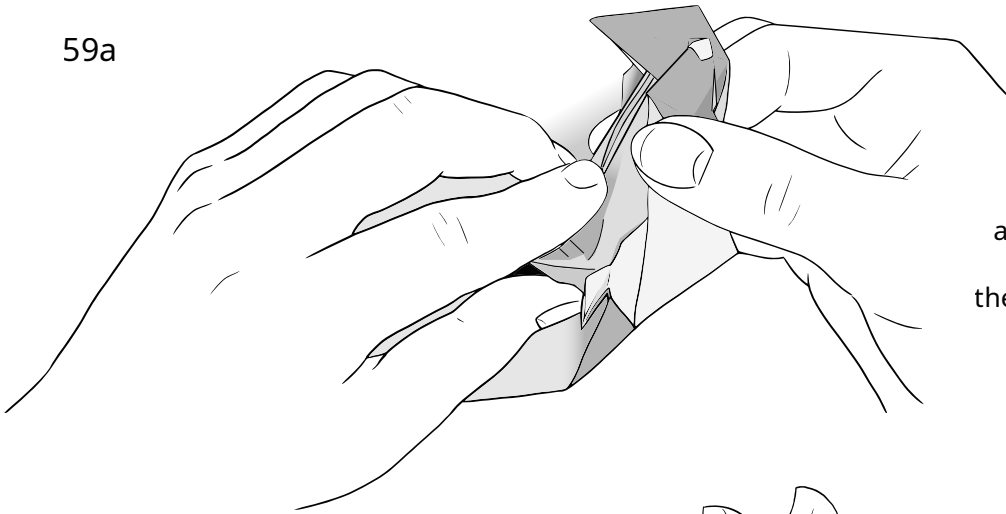
Push first on the chest
and then on the abdomen
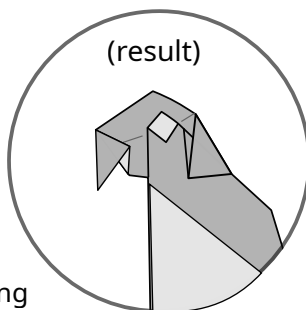to start shaping
the ventral surface of the bird

59b
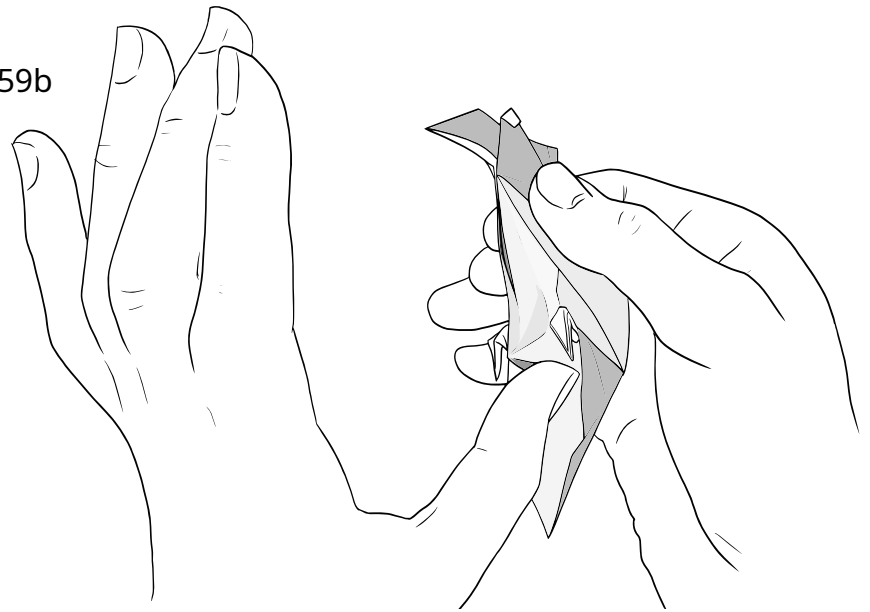
Use you thumb
to push up
under the abdomen,
as shown to remake
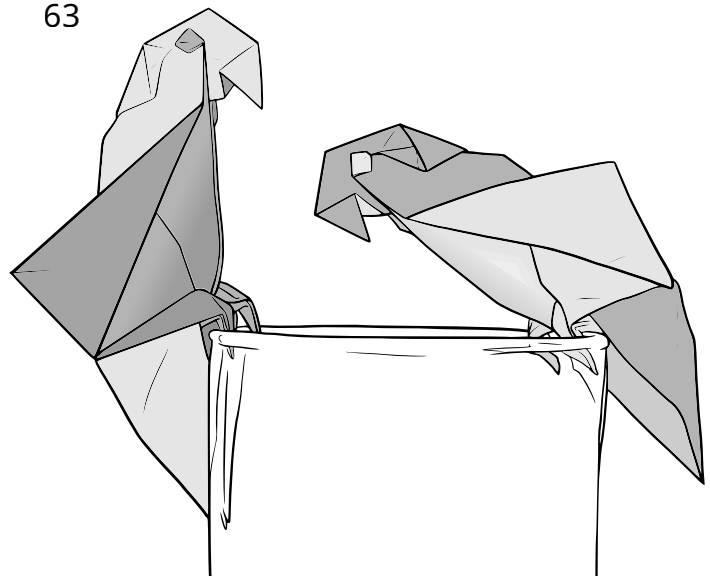crease lines of steps 36-37

61

1/2

1/2

Crimp
the beak

62

(result)

The
parrot
is smiling

63

Completed Parrot