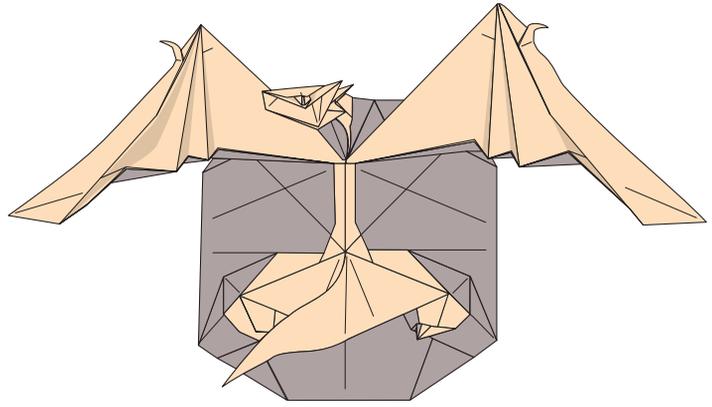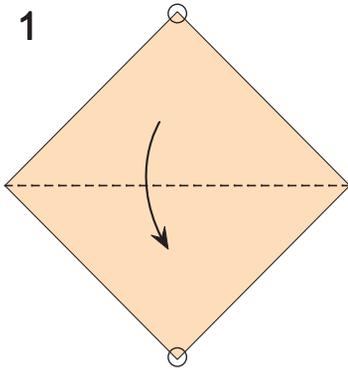# 魔法帽
The Magic Hat

Designed by Yuankai Zhang, 2022/09
Diagrammed by Yuankai Zhang, 2023/06

Recommended paper:
Thin, duo colour
40x40 cm
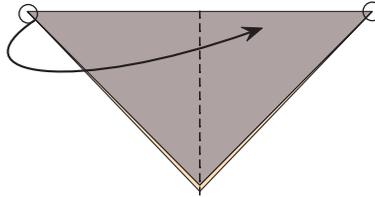
1

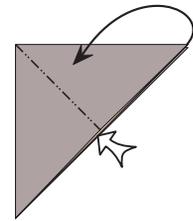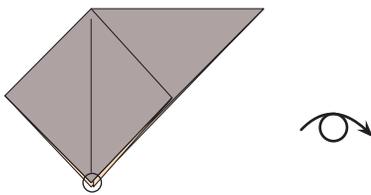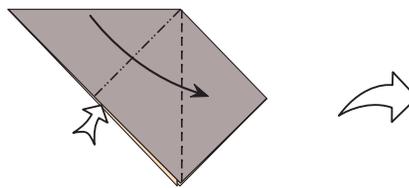Valley fold

2

Fold as indicated

3

open and squash
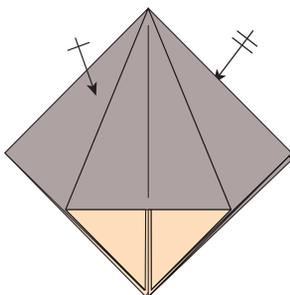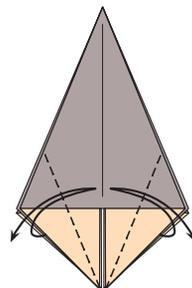
4

...the result

5
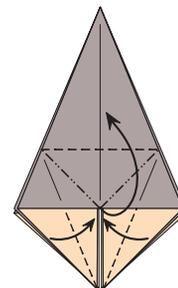
open and squash

6
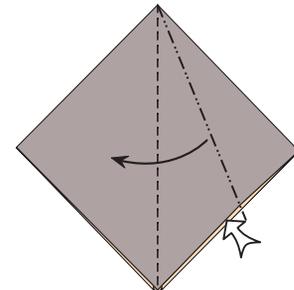
open and squash

7

repeat step 6 for other flaps
ensure layers are symmetrical

8

precrease

9

petal fold

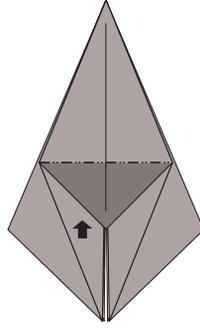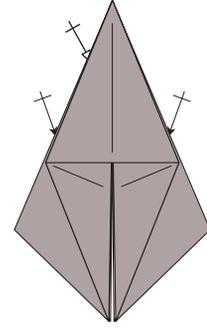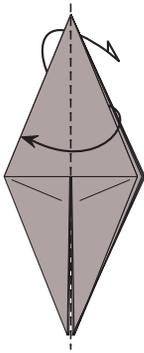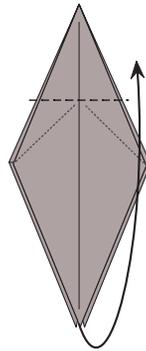**10**
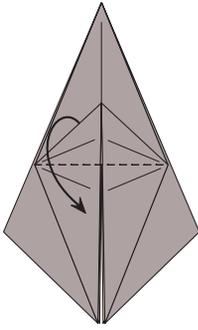
Valley fold

11

open sink

12

repeat steps 9-11 for other flaps
ensure layers are evenly distributed

13
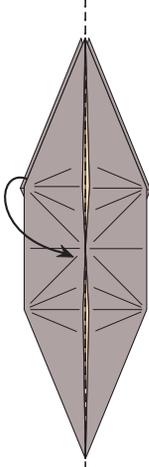
fold 1 flap at top/back

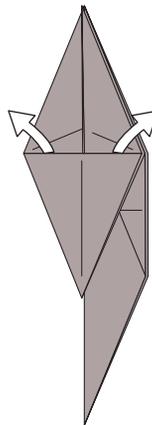**14**

open and squash inside

15

180°
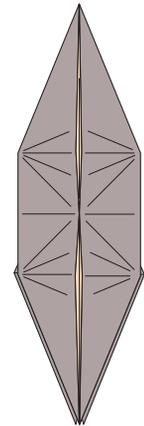
...the result
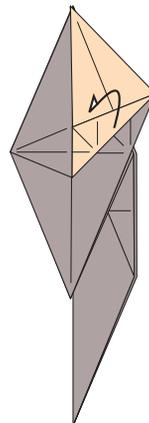
16

fold two flaps

17

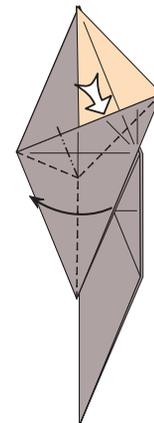pulll paper out

18
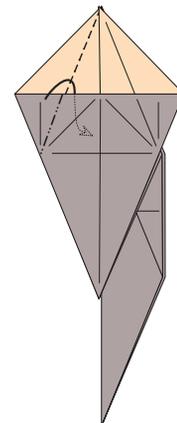
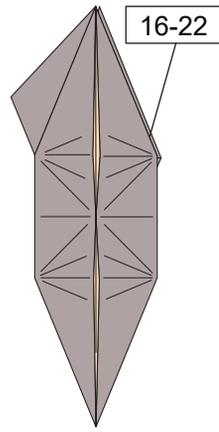inside-reverse fold

19
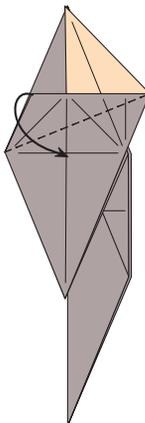
Valley fold

20

wrap top layer behind
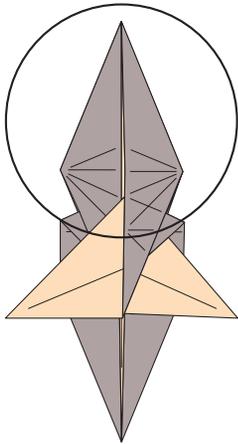
21

collapse

22

adjust 1 layer

23 16-22
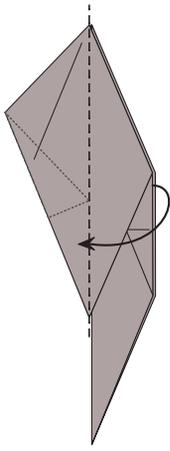
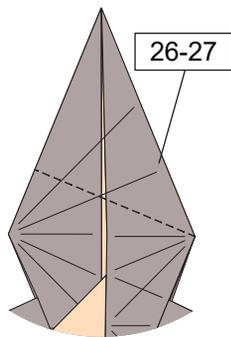repeat steps 16-22 on this side

24
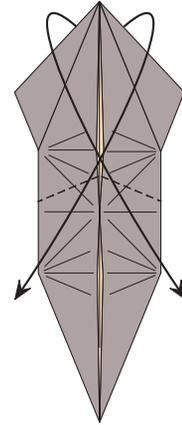
fold down top flaps

25

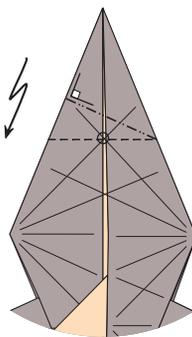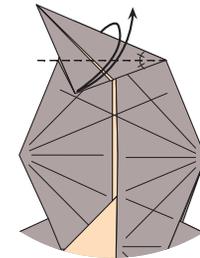**26**
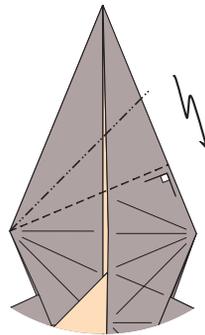
pleat down

27

release

28 26-27
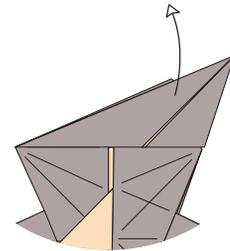
repeat steps 26-27 on this side
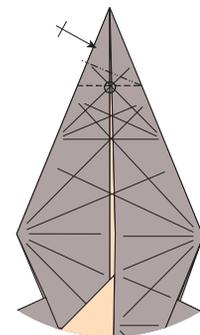
29

pleat down

30

precrease

31

release

32 29-31
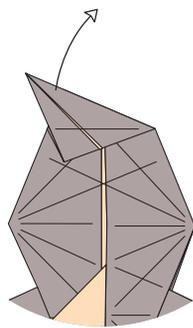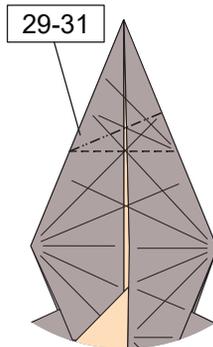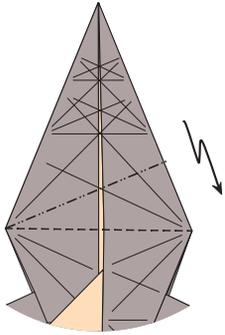
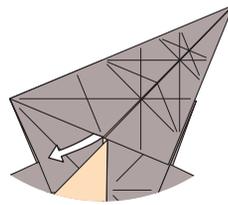repeat steps 29-31 on this side
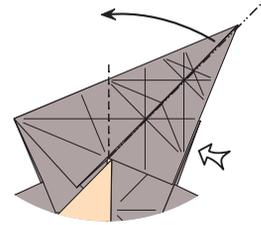
33

precrease as steps 29 twice
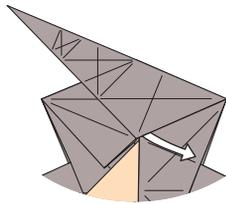
34

pleat down

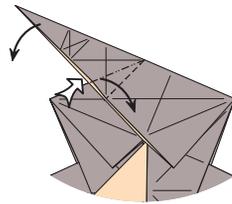**35**

pull paper out

36
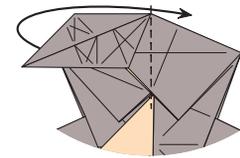
swivel the top flap and squash
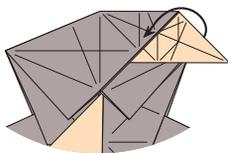
37

pull paper out
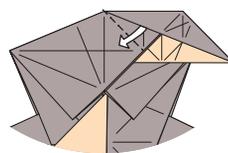
38

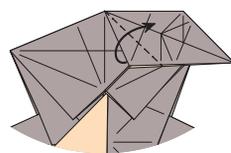open top layer and squash

39

fold top flap to the right
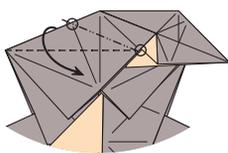
40

wrap back layer around
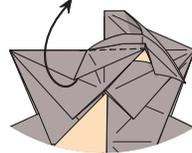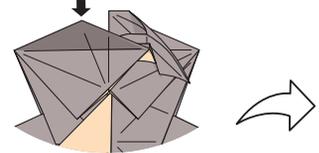
41

pull paper out

42

Valley fold top flap
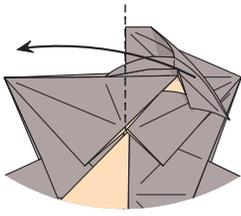
43

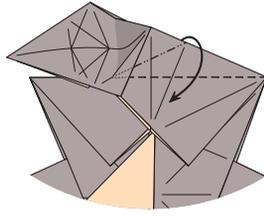pleat down; model would not lie flat

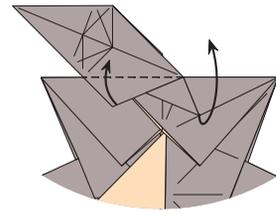**44**

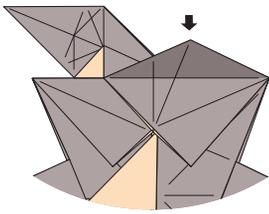fold top flap up

45

closed sink

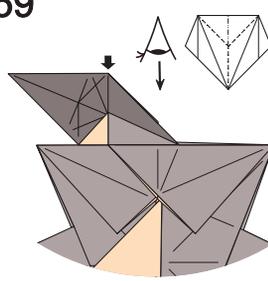**46**

fold top flap to the left

47

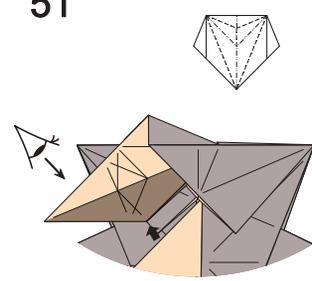pleat down and flatten

48

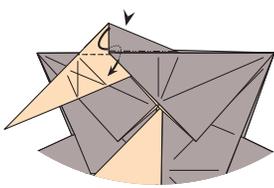fold two flaps up

49

closed sink

59

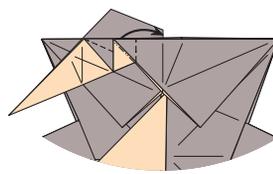slightly raise the flap for open sink

51

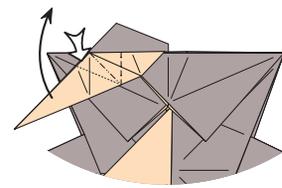slightly raise the flap for open sink
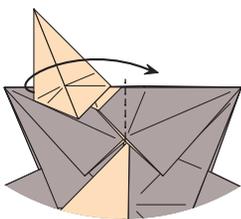
52

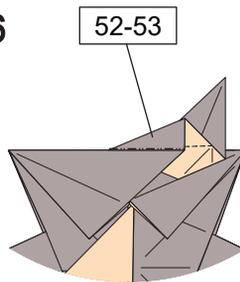inside-reverse fold

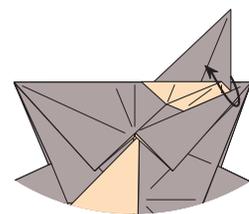**53**

swivel and squash

54

open and squash

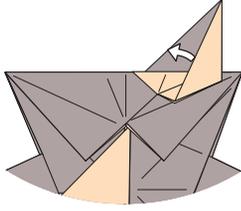**55**

fold top flap to the right

56
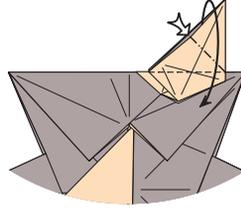
52-53

repeat steps 52-53

57

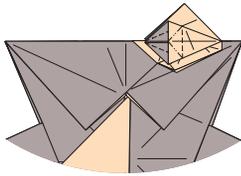wrap back layer to the front

58

pull paper out
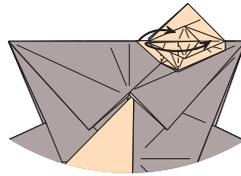
59

open and squash

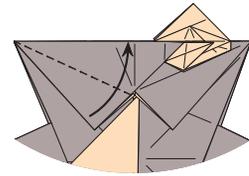**60**
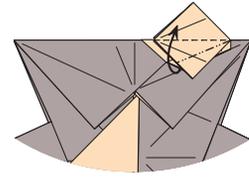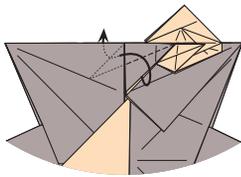
open and squash

61

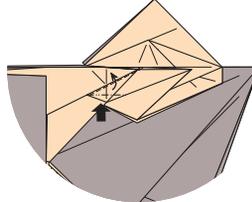repeat steps 8-9

62

fold two flaps to the right

63
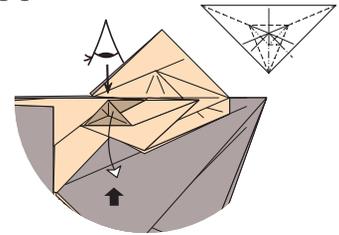
Valley fold 1 flap

64
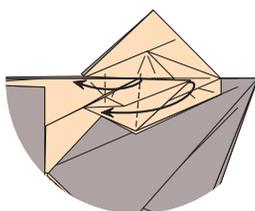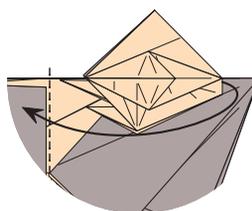
inside-reverse fold

65

spread sink

66

slightly release the layers
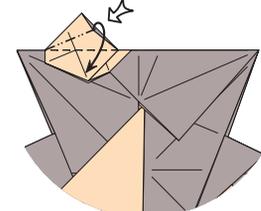open sink the shaded area

67

fold two flaps to the left

68

fold entire head to the left

69

open and squash
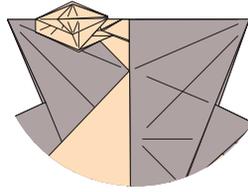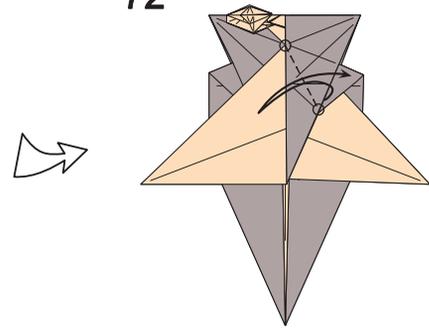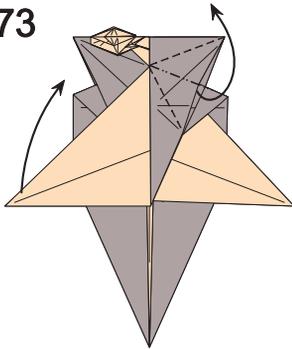
70
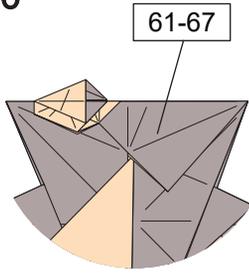
61-67

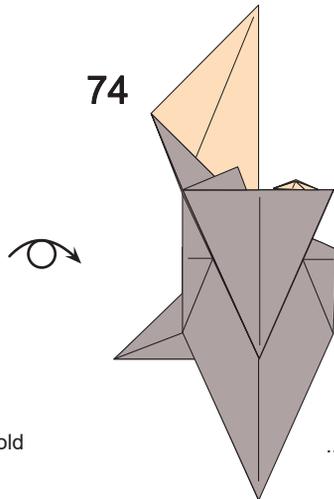repeat steps 61-67

71

...the result
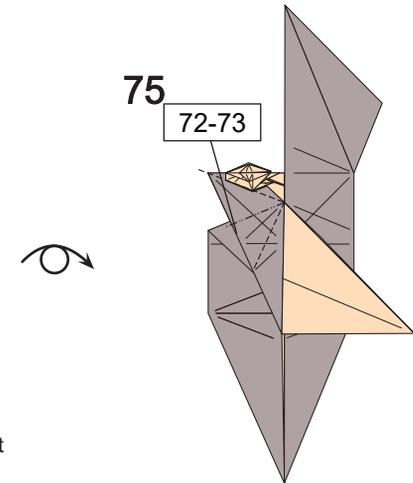
72

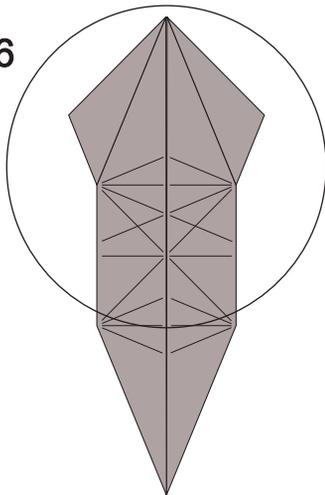precrease the top layer

73

raise the flap with inside-reverse fold

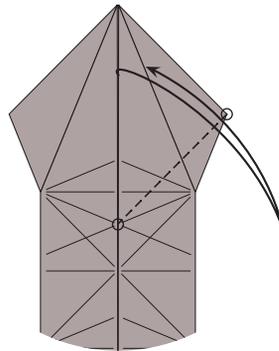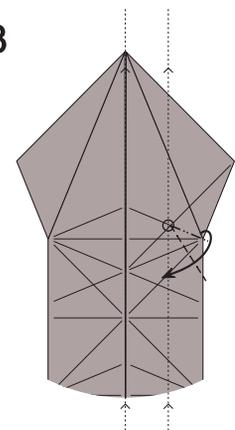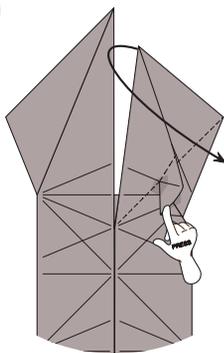**74**

...the result

75

72-73

76

77

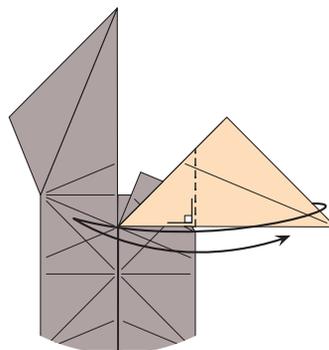precrease the top flap

78

pleat the top layer
model would not lie flat

79

press and flatten the flap

80
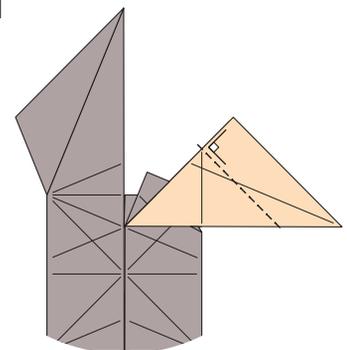
precrease through all layers

81

precrease through all layers