

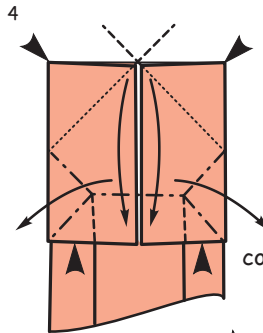
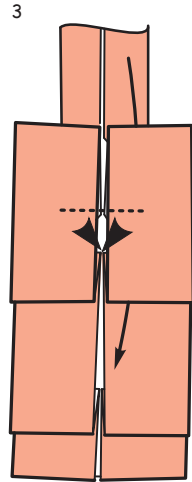
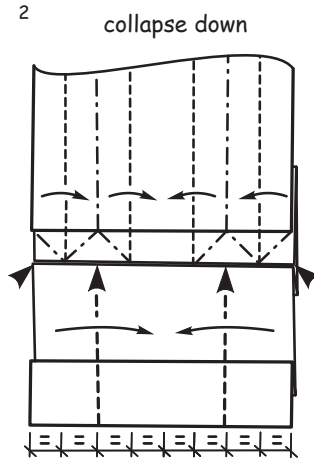
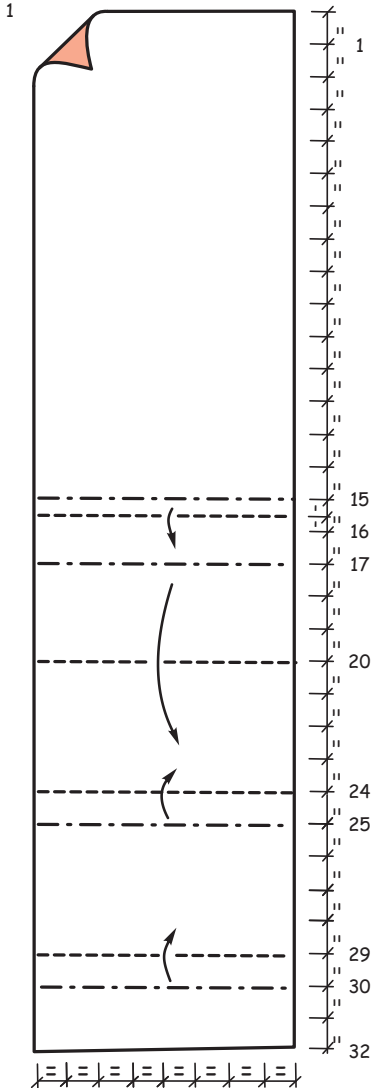
Napoleon by Neal Elias Illustrated by Dave Venables

I strongly recommend practising exercises
11 & 12 - Construction of Nose and Chin
for Busts

Rectangle 12cm. x 48cm.
Model 11 cm. high

Begin with a 4 x 1 rectangle

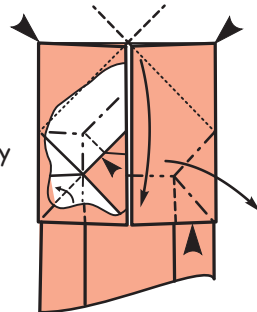
Pre-crease a grid 8 x 32
then make pleats as shown



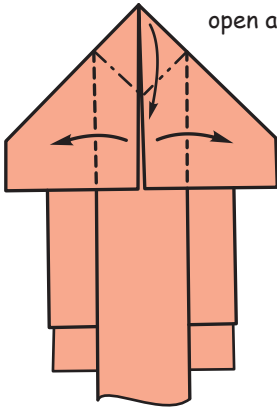
reverse
inside corners
then fold down
the long pleated
section

complex swivel folds

5
same move
showing cut away
view

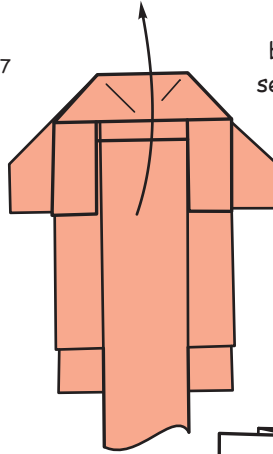


6



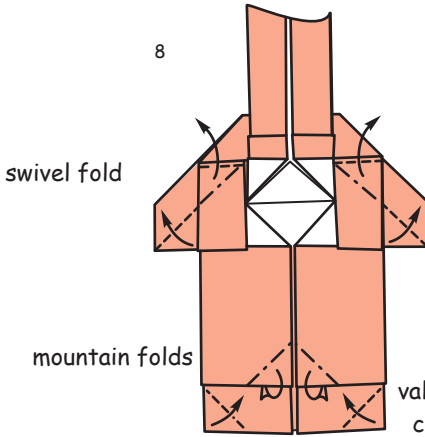
open and squash

7



bring pleated section back up

8



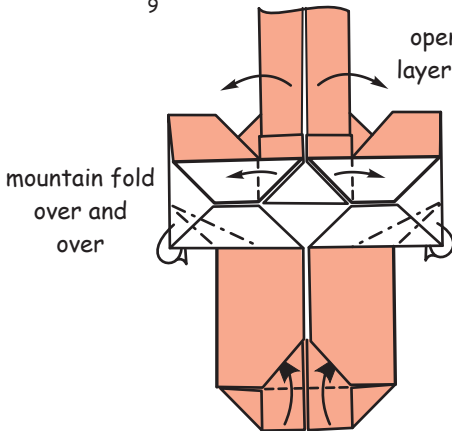
swivel fold

mountain folds

valley fold corners

10

9



open out one layer each side

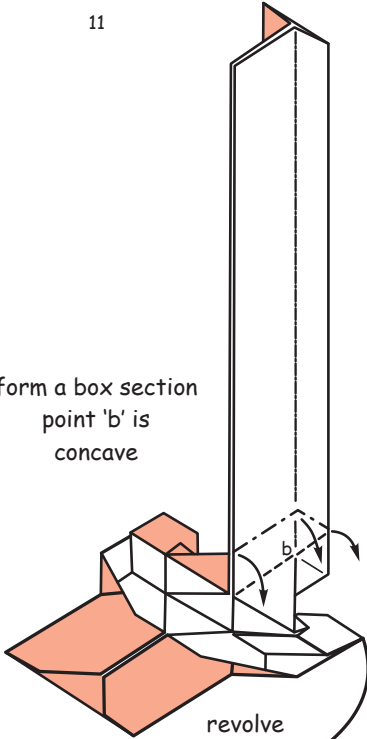
mountain fold over and over

fold top layer only

tuck into pockets

11

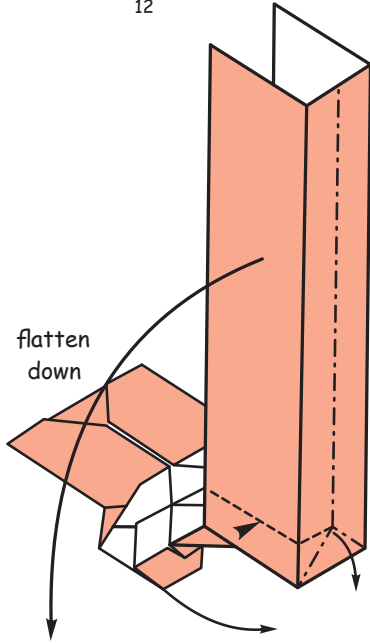
form a box section
point 'b' is
concave



12

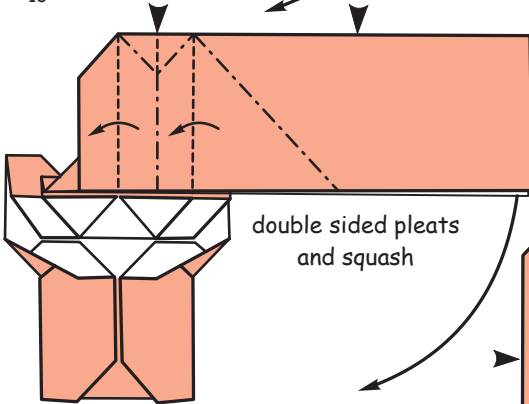
flatten
down

- revolve again



13

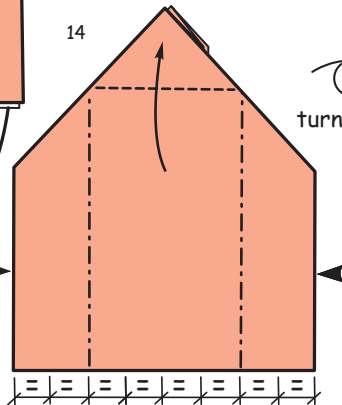
double sided
pleats and
squash



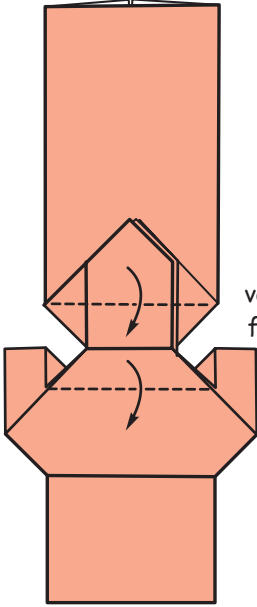
petal fold

14

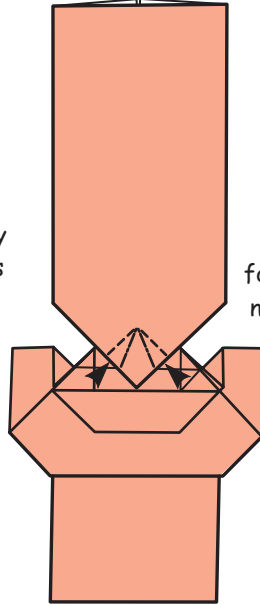
turn over



15



16

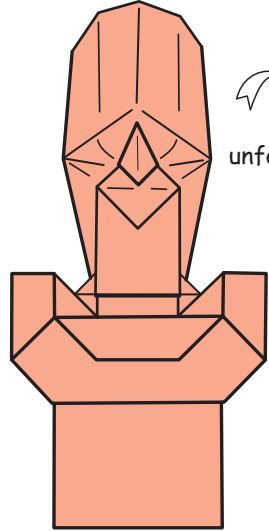


valley folds

see exercise 11 & 12
Construction of Nose and Chin
for Busts

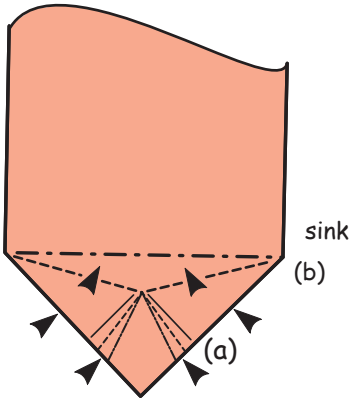
form nose

17



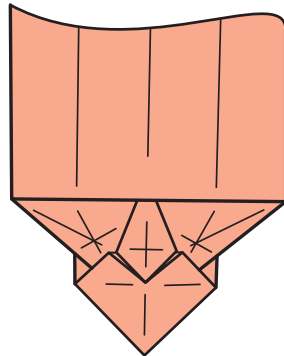
unfold

18



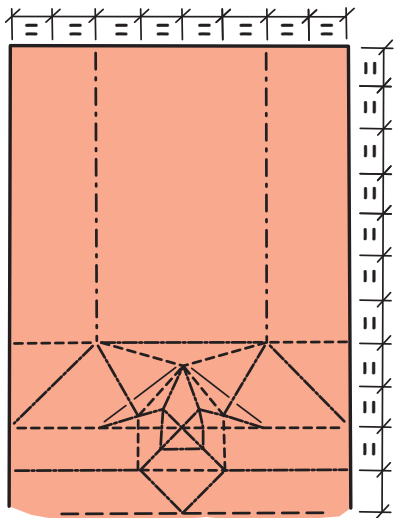
(a) form nose again
using new creases
then (b) sink

19



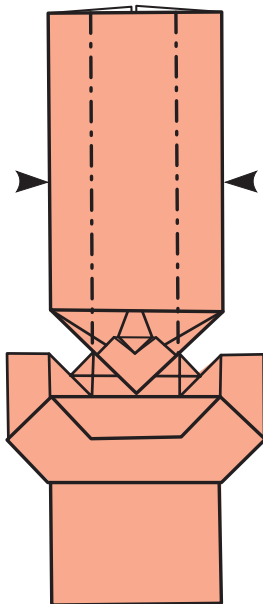
- nose completed

20

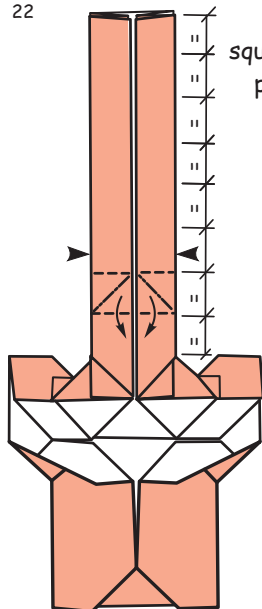


crease pattern for head at this stage

2

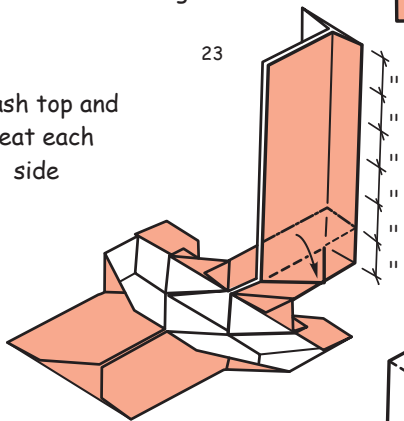


22



squash top and pleat each side

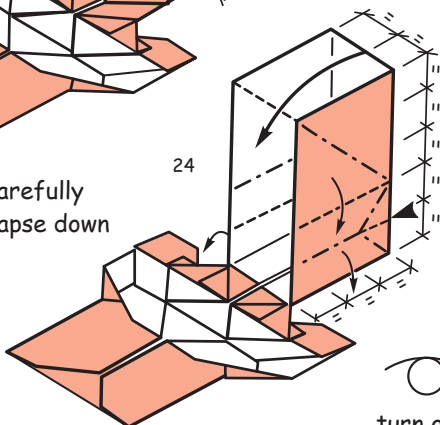
23



open up into a box section

carefully collapse down

24

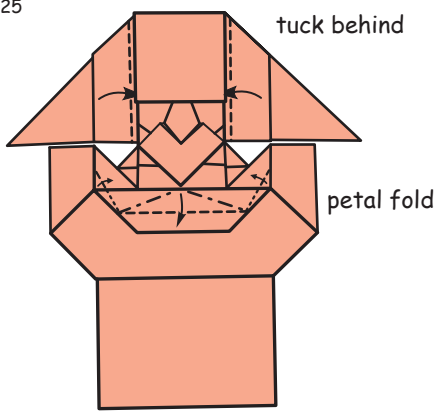


turn over

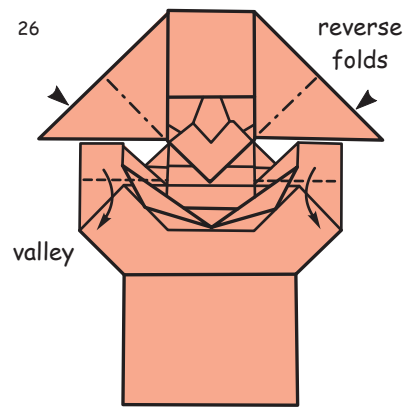


turn over

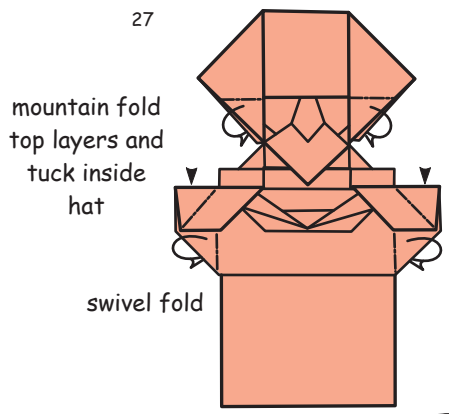
25



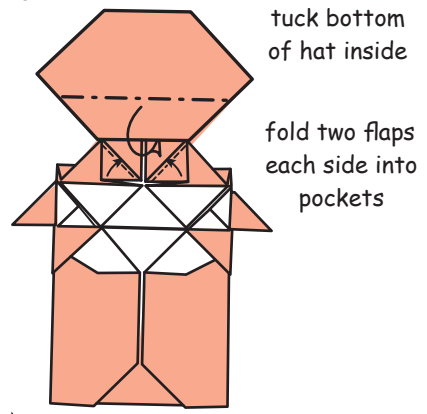
26



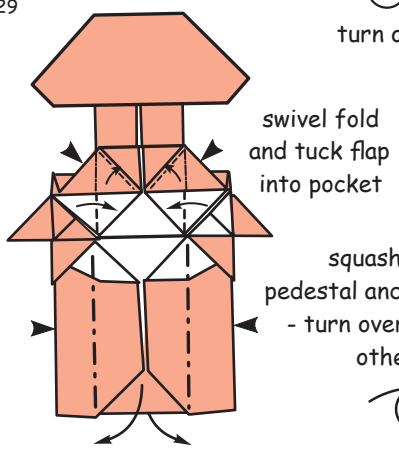
27



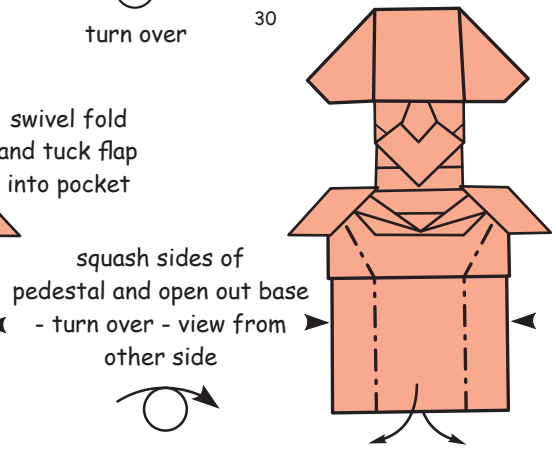
28

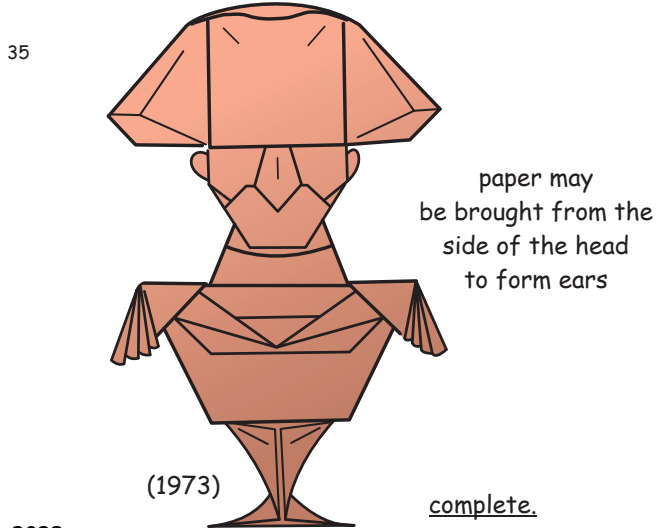
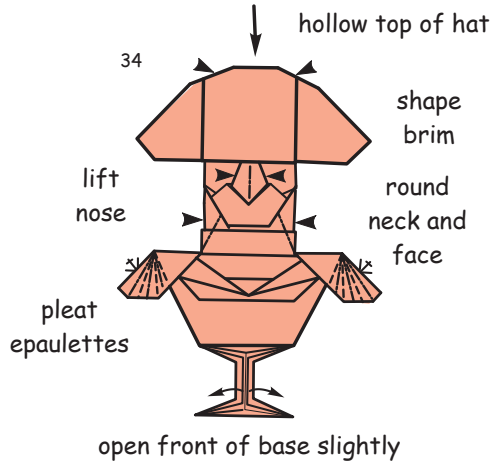
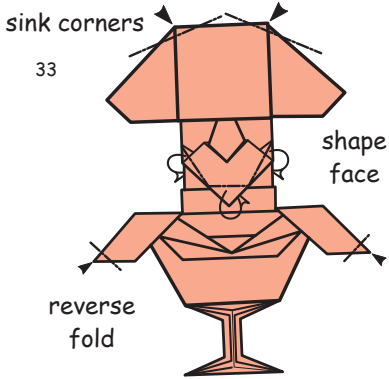
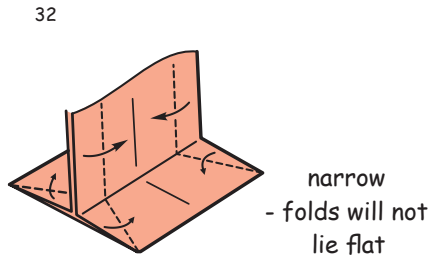
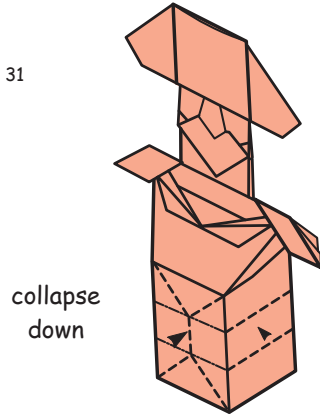


29



30





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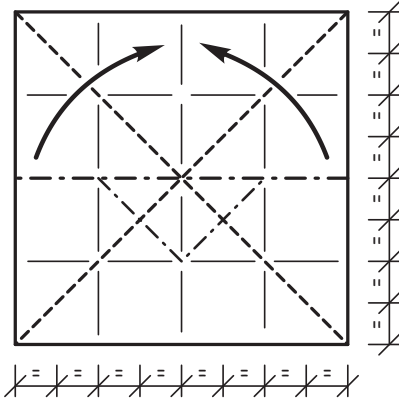
Model © Neal Elias 1970

Illustrations © Dave Venables 2023

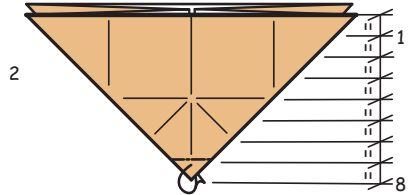
Exercise 11

Construction of Nose for Busts Part I

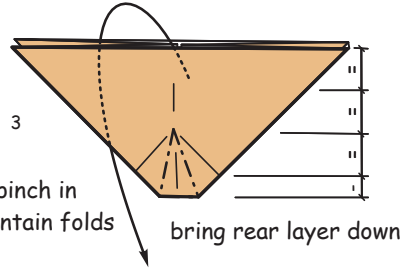
1



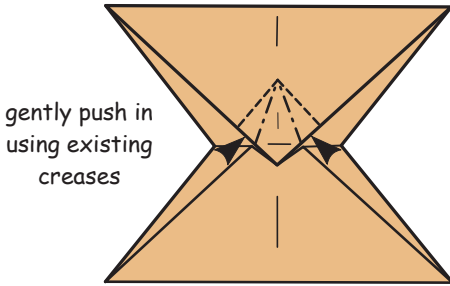
fold a waterbomb base



mountain fold $1/8^{\text{th}}$ behind

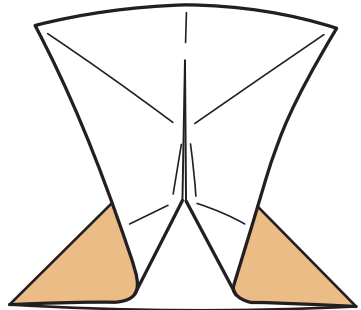


4



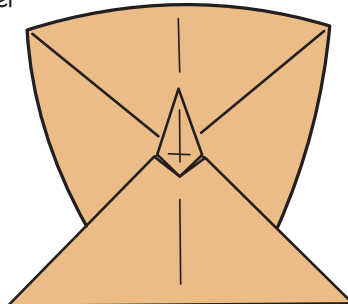
turn over

5



turn over

6



the model is convex
and will not lie flat

part I complete.

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Model © Neal Elias 1970

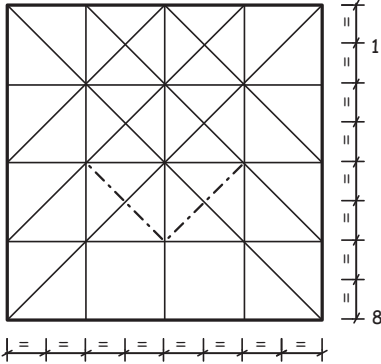
Illustrations © Dave Venables 2023

Exercise 12

Forming the Nose (and Chin) on Busts Part II

Begin with a square of stiff crisp paper about 120 gsm

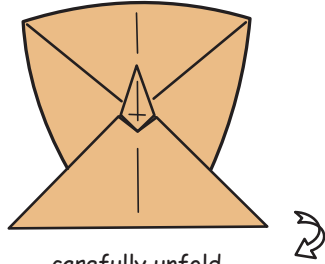
1



pre-crease as shown with valley folds with the exception of two short diagonal mountain folds.

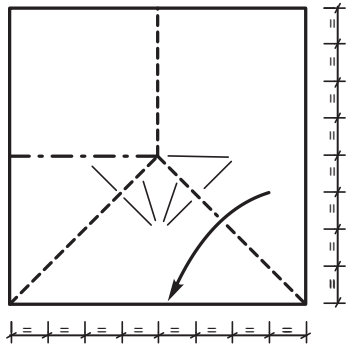
Now fold the nose as in exercise 11 - Construction of Nose for Busts - Part I

2



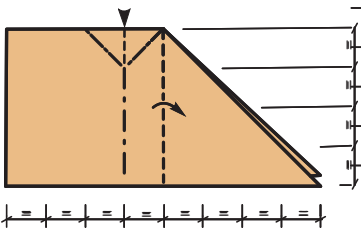
3

carefully unfold



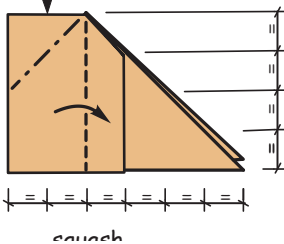
rabbit ear
(additional creases not shown)

4



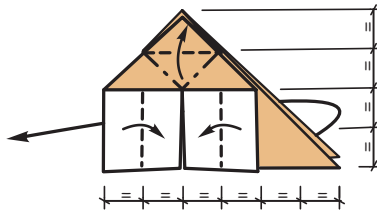
pleat both sides of flap sinking top

5

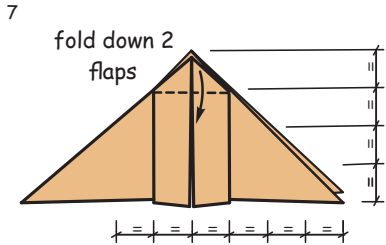


snatch

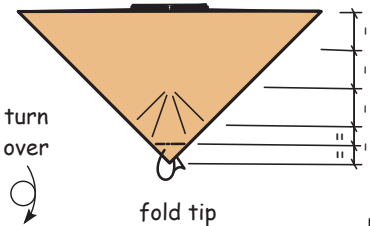
6



petal fold

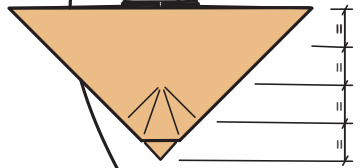


8



fold tip behind
bring all rear layers down

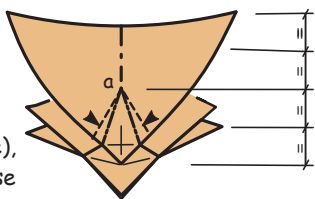
9



10

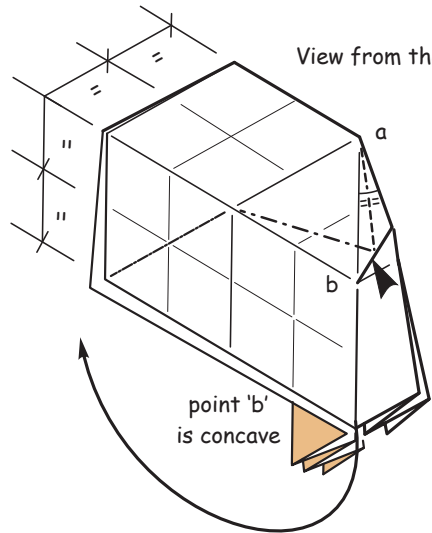
Pinch in the mountain folds either side of the nose squashing between the mountain (the valley is existing crease), thus re-constructing the nose made earlier

model is now 3D

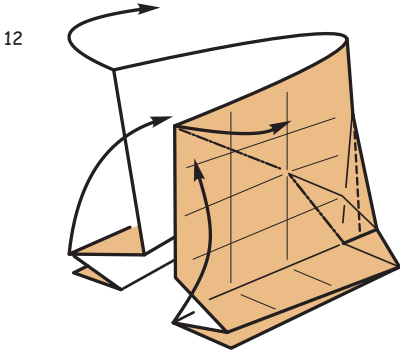


11

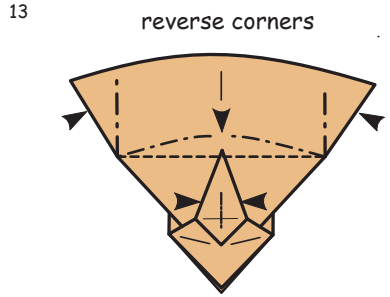
View from the side.



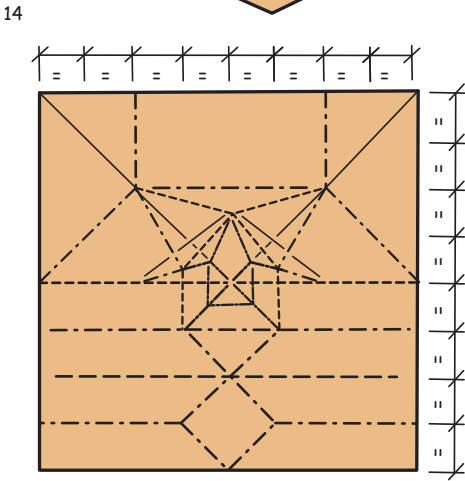
make new creases - the new valley bisects angle between existing edge and crease - bring the pleated section to the top of the model



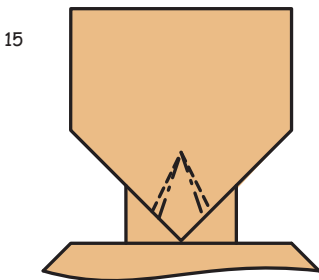
same move as previous
from a different perspective



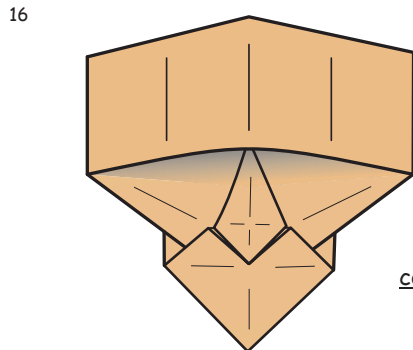
push in the brow
the angle of these folds
will vary from model to model



crease pattern for head



the brow does not lie flat to the model



complete.

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