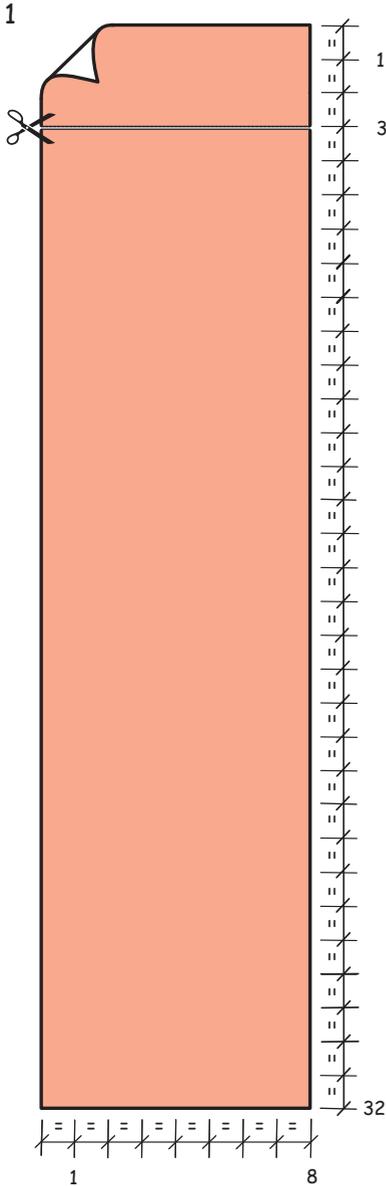


The Mad Hatter by Neal Elias Illustrated by Dave Venables

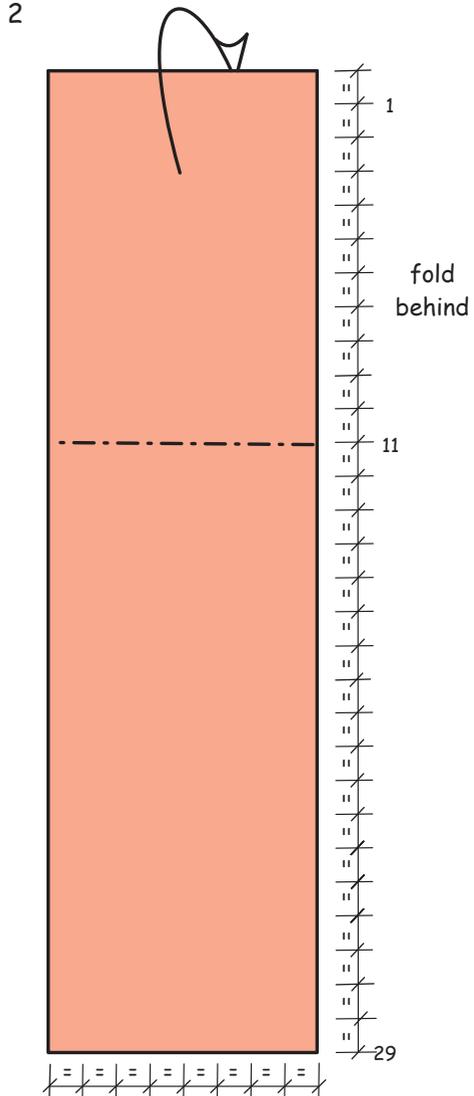
Fold a 8 x 32 grid
then remove 3 32^{nds} from length



colour up

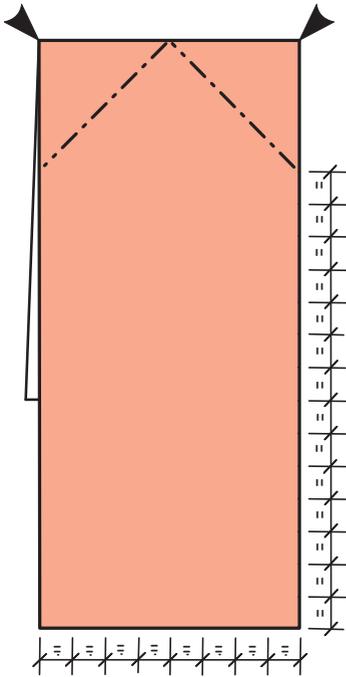
Begin with a 4 x 1 rectangle.
Rectangle 14cm x 56cm - model height 13cm.

- see exercises 11 and 12 - construction
of nose and chin



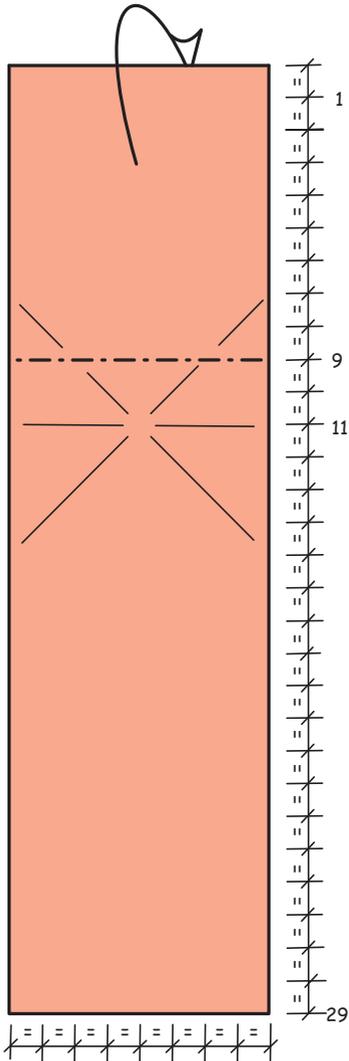
3

reverse folds
and form a waterbomb base



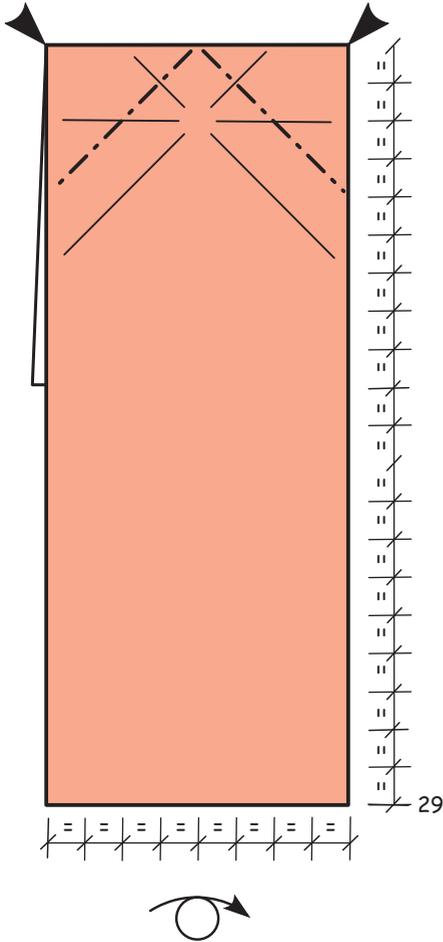
unfold

4



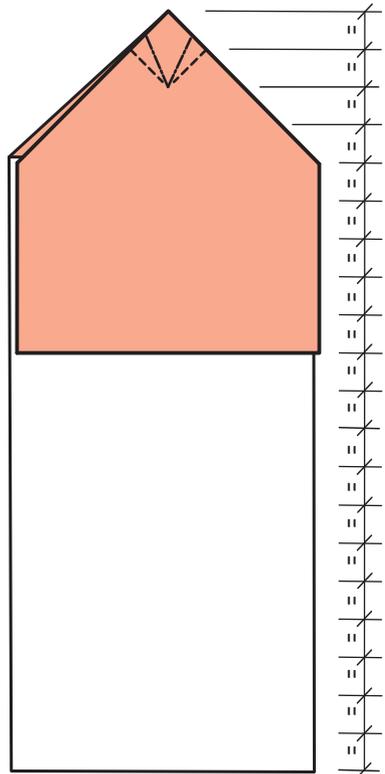
again fold
behind

5 again reverse folds
to form a waterbomb base



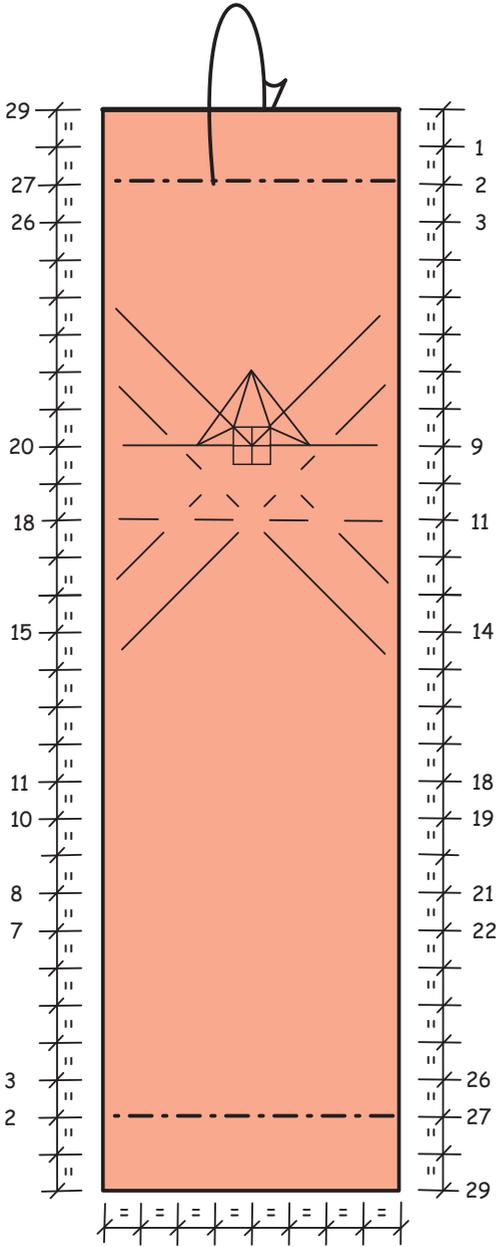
form the nose as shown in
exercise 11 construction of
nose for busts part I

6



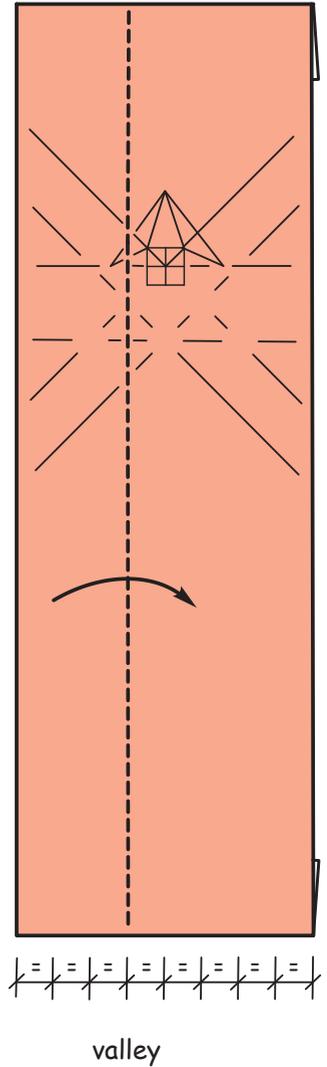
unfold again and turn over

7



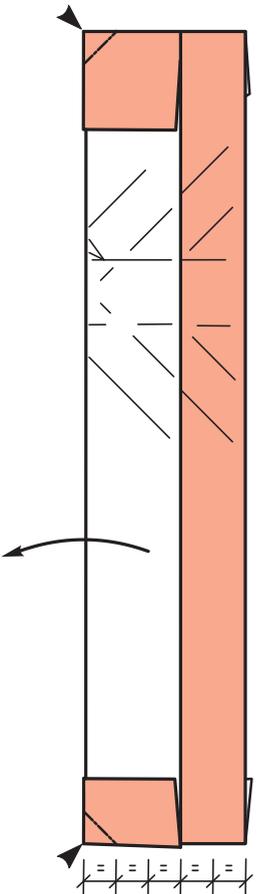
mountain folds

8



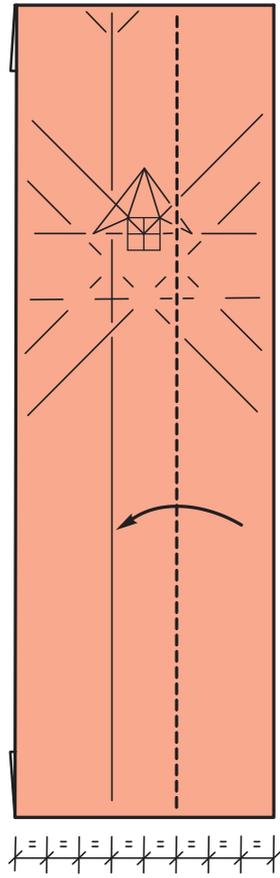
valley

9



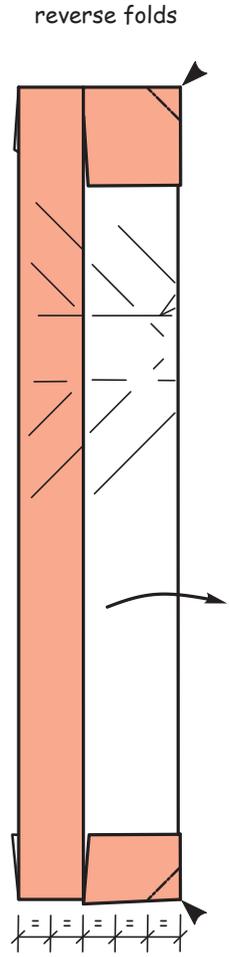
reverse folds
then unfold

10



repeat on the
other side

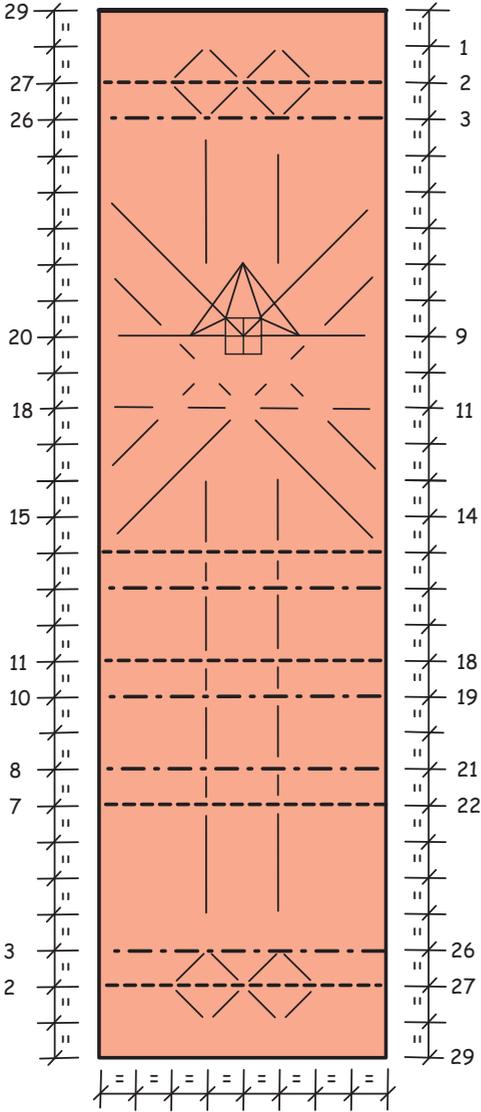
11



reverse folds



12

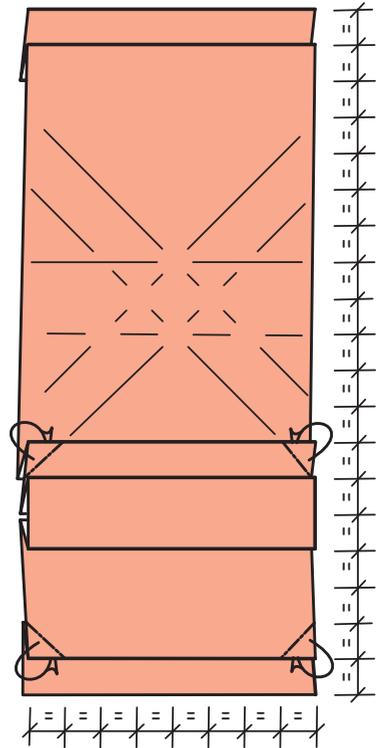


make pleats carefully

13

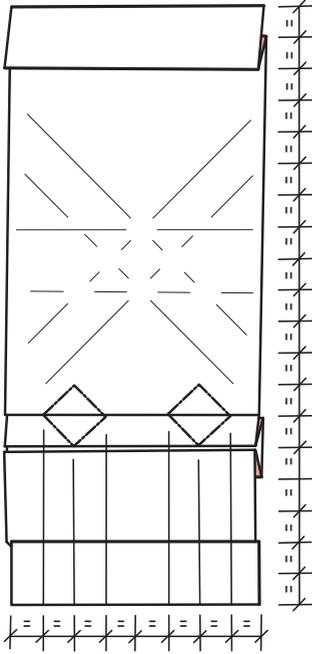
nose creases not shown

mountain folds



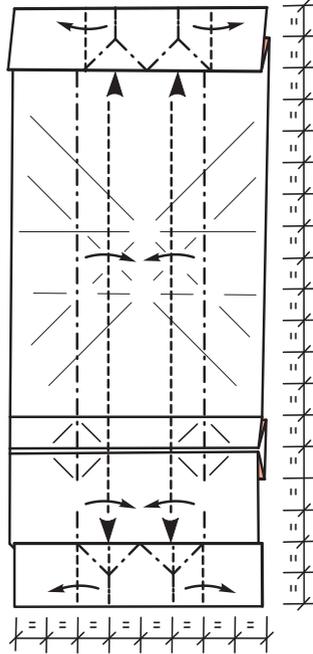
turn over

14



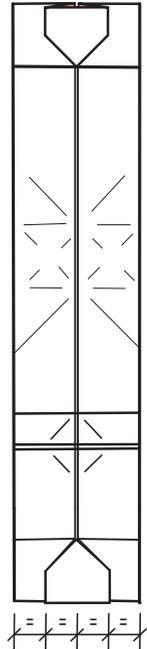
pinch in mountain creases

15



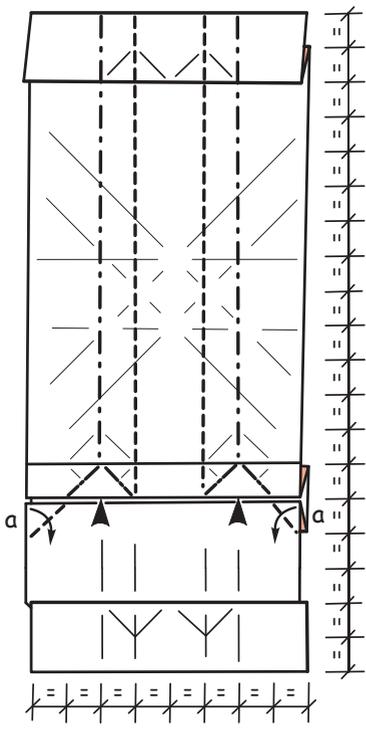
pleat vertically while sinking horizontal pleats

16



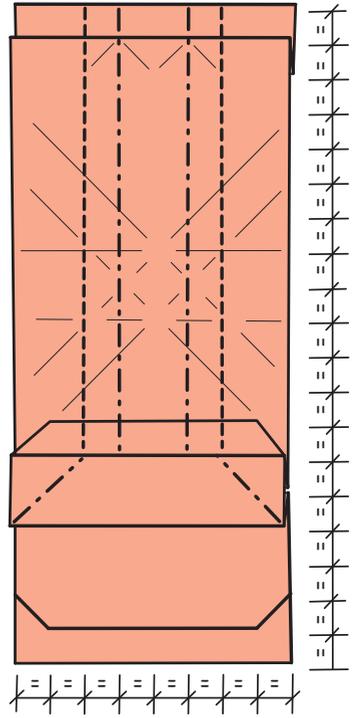
unfold to previous step



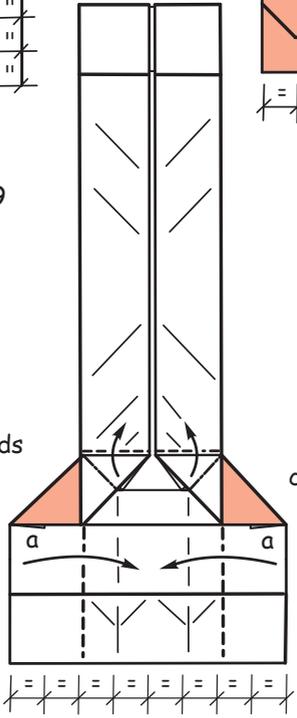


19

18

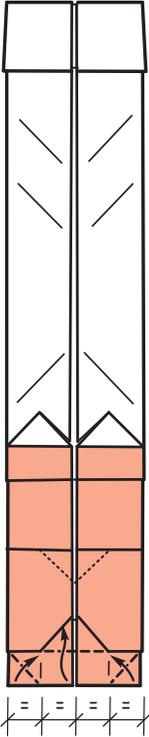


swivel folds



- note hidden corners (a) are folded up

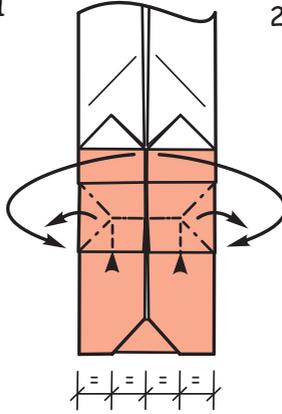
20



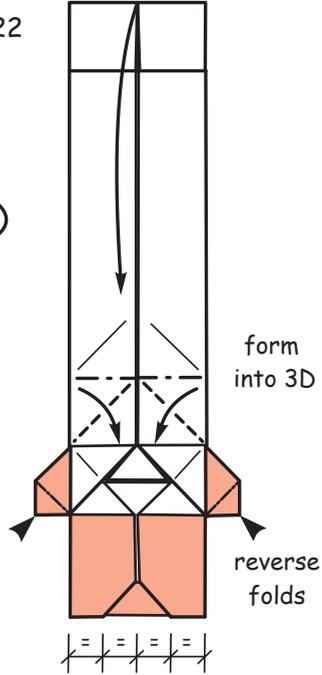
fold corners in then tuck into pocket

carefully open sides squashing as shown

21



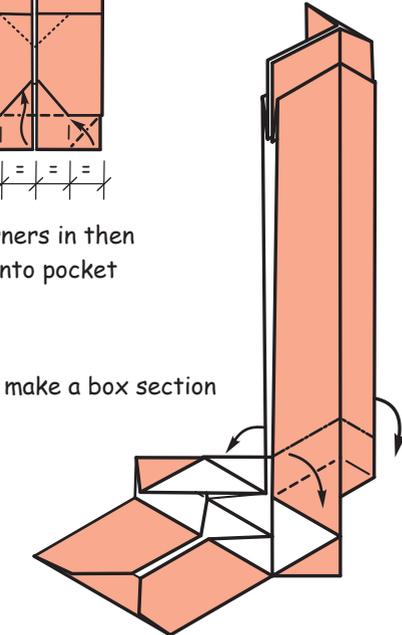
22



form into 3D

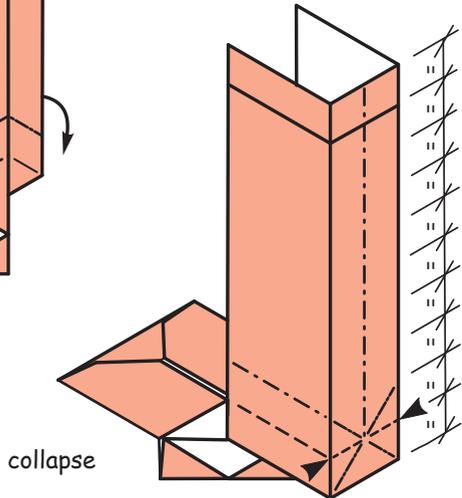
reverse folds

23



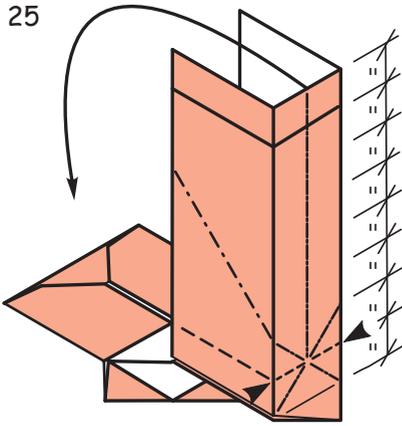
make a box section

24



collapse

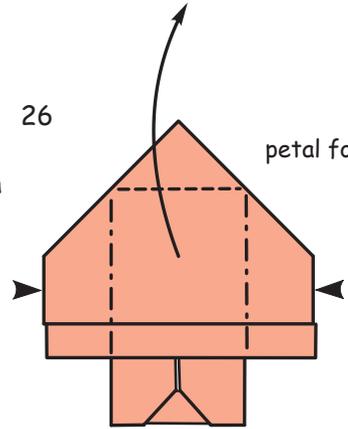
25



26

collapse and squash

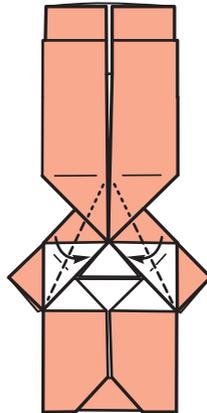
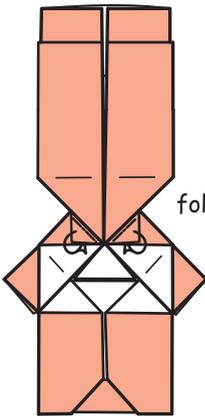
petal fold



27

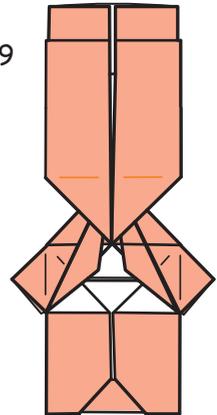
28

fold 4 corners behind



29

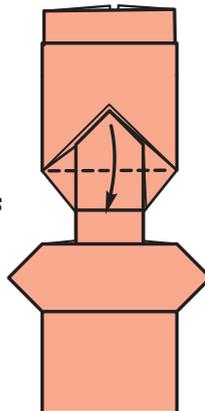
valley folds



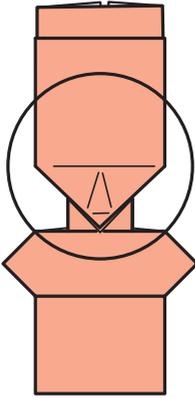
turn over

30

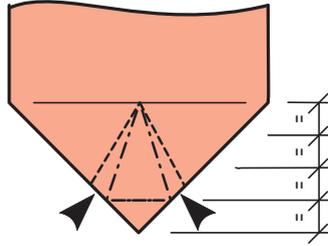
valley all layers



31

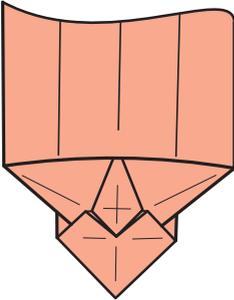


32



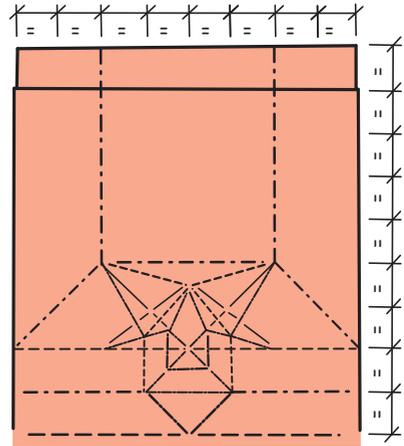
see exercise 12 - forming the nose
and chin on busts and carry out
the procedure here

33



- nose and chin completed

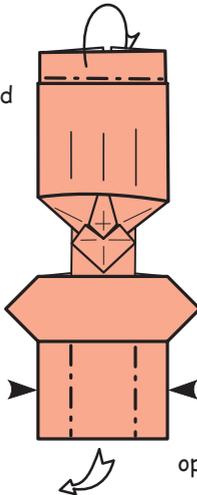
34



crease pattern for the head at this stage

35

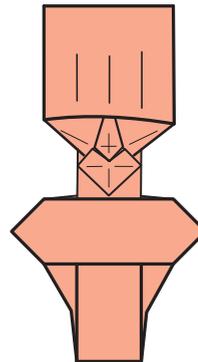
fold behind



form the pedestal
into a 3D
box section

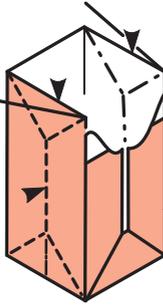
carefully
open the base

36



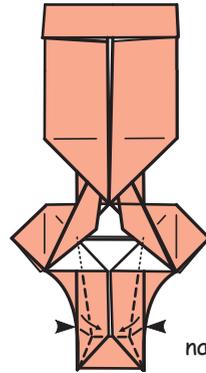
37

as seen
from the rear



collapse the sides
and the base
becomes flat during
this and the next two stages

38

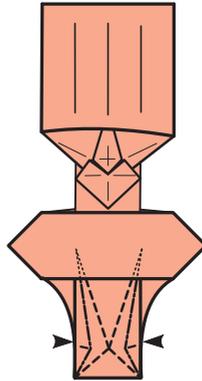


narrow



turn
over

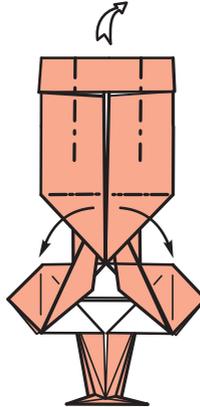
39



narrow as per the
back - the base of the
pedestal should
now support the model

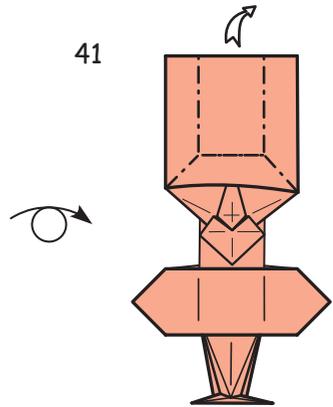
same move as seen from both sides

40

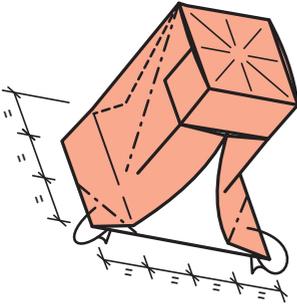


form the crown of the hat
by pushing the sides in
and opening the top in
a similar way to opening
the pedestal previously

41

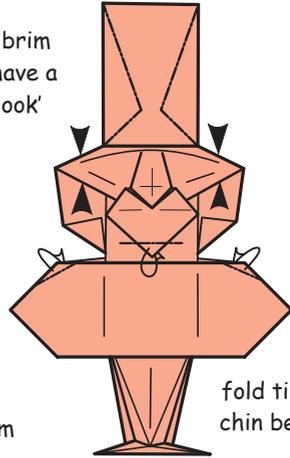


42



43

shape the crown and brim
- the top hat should have a
'worn and battered look'

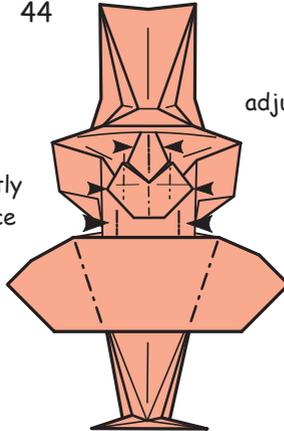


shape shoulders

fold tip of
chin behind

44

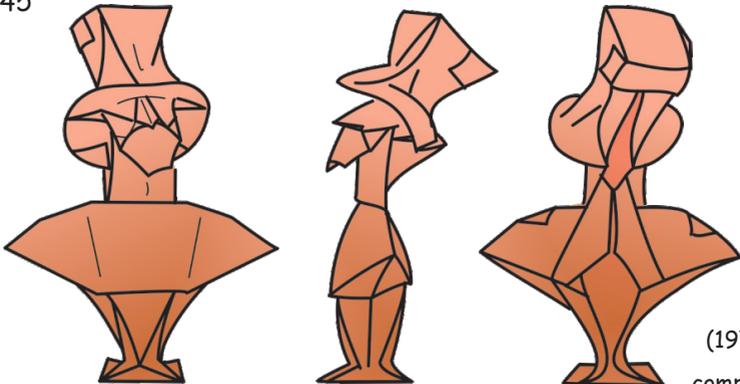
bring nose
forward slightly
and round face



adjust brim

round neck
and chest

45



(1973)
complete.

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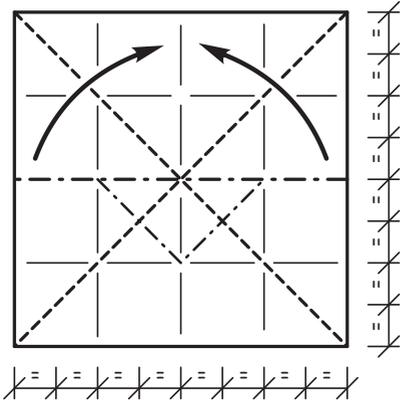
Model © Neal Elias 1970

Illustrations © Dave Venables 2023

Exercise 11

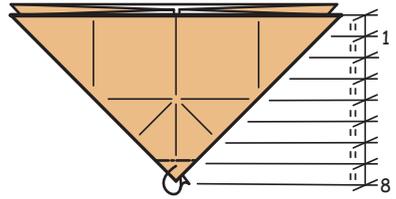
Construction of Nose for Busts Part I

1



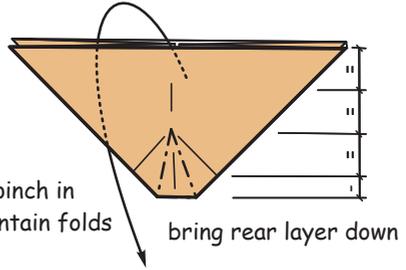
fold a waterbomb base

2



mountain fold 1/8th behind

3

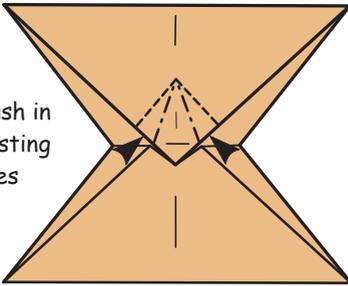


pinch in mountain folds

bring rear layer down

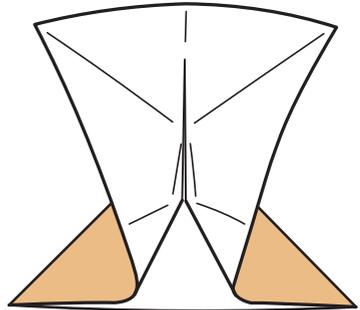
4

gently push in using existing creases



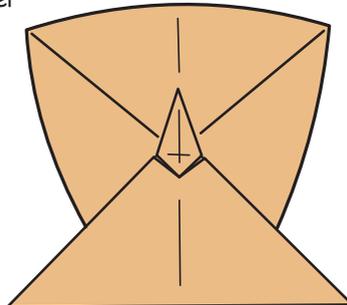
turn over

5



turn over

6



the model is convex and will not lie flat

part I complete.

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Model © Neal Elias 1970

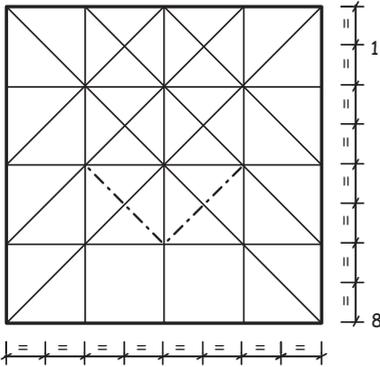
Illustrations © Dave Venables 2023

Exercise 12

Forming the Nose (and Chin) on Busts Part II

Begin with a square of stiff crisp paper about 120 gsm

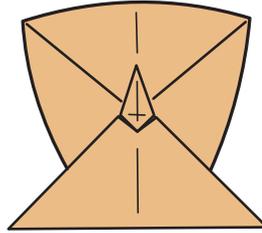
1



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

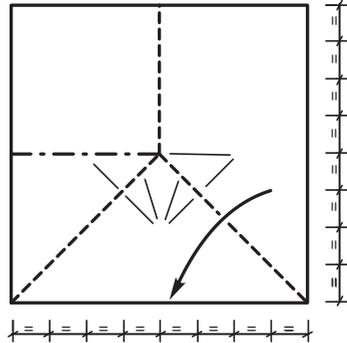
Now fold the nose as in exercise 11 - Construction of Nose for Busts - Part I

2



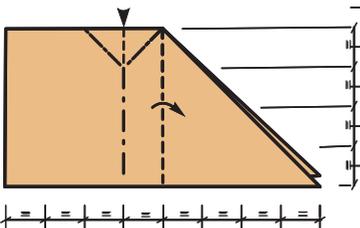
3

carefully unfold



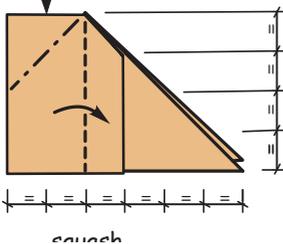
rabbit ear
(additional creases not shown)

4



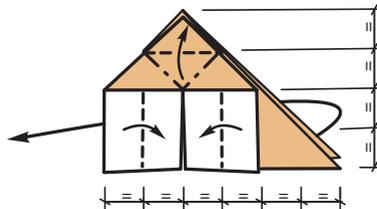
pleat both sides of flap
sinking top

5



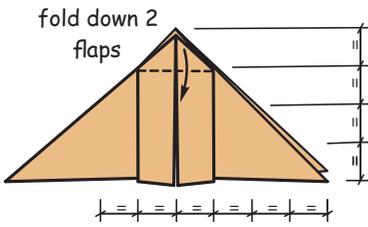
snatch

6

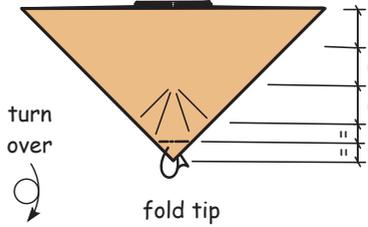


petal fold

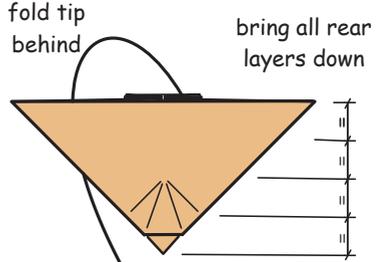
7



8

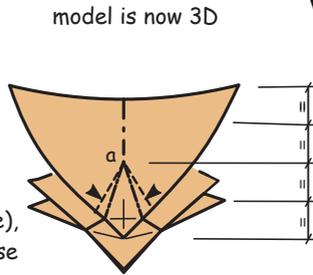


9



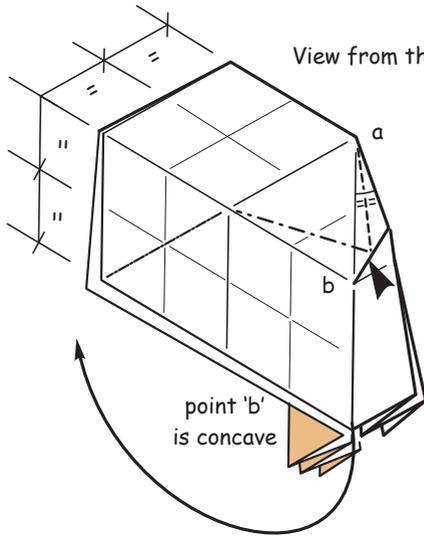
10

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



point 'a' can vary from model to model and determines the length of the nose and the depth of the brow

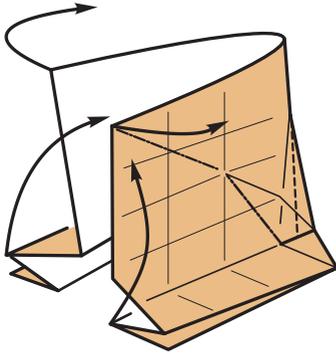
11



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

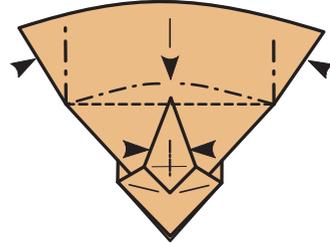
12



same move as previous
from a different perspective

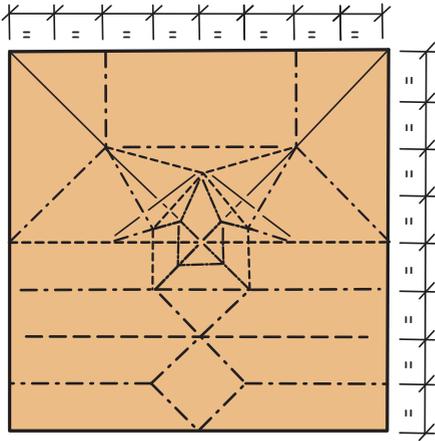
13

reverse corners



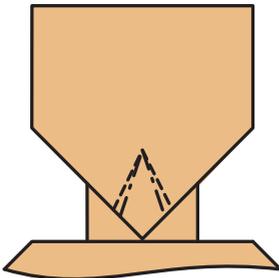
push in the brow
the angle of these folds
will vary from model to model

14



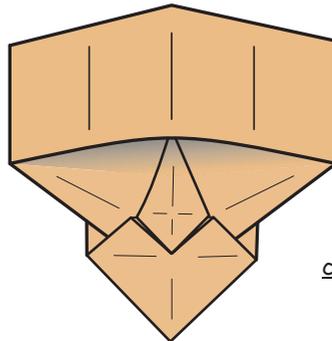
crease pattern for head

15



the brow does not lie flat to the model

16



complete.

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