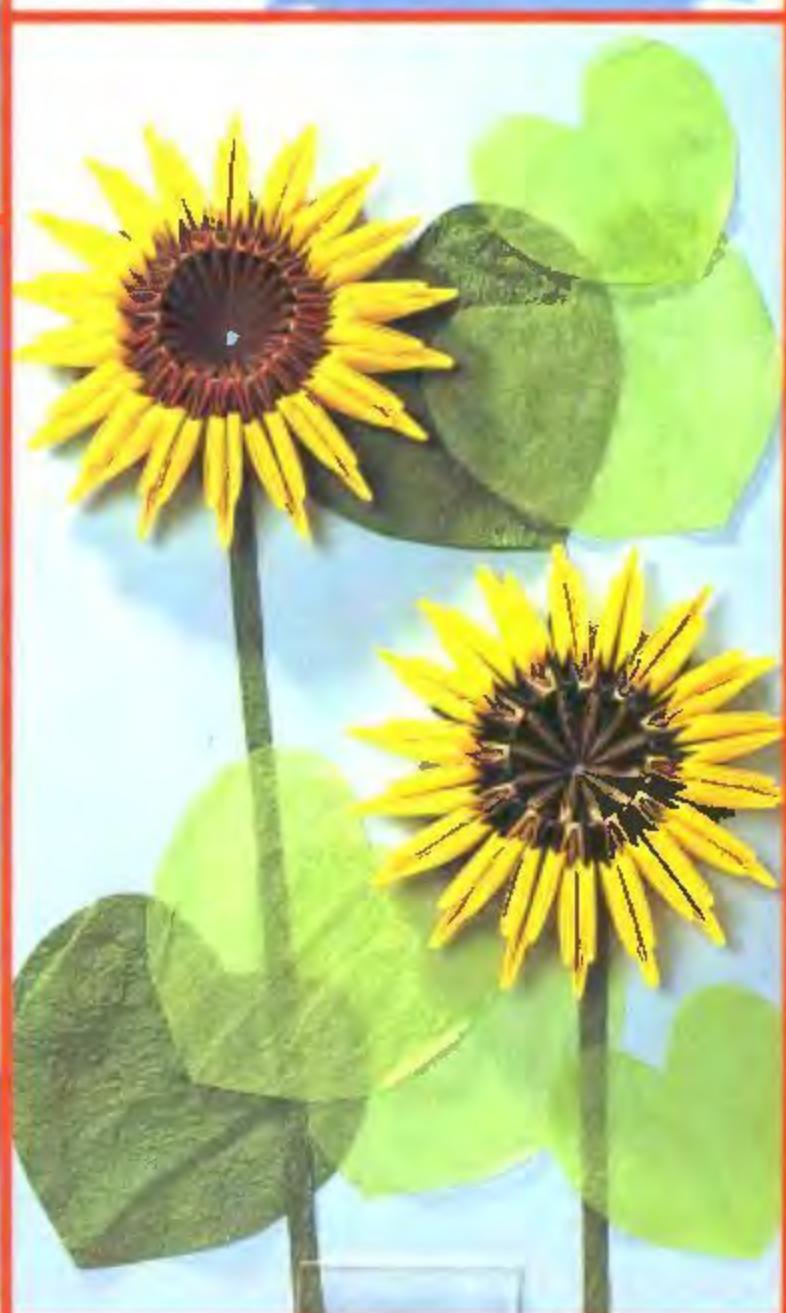
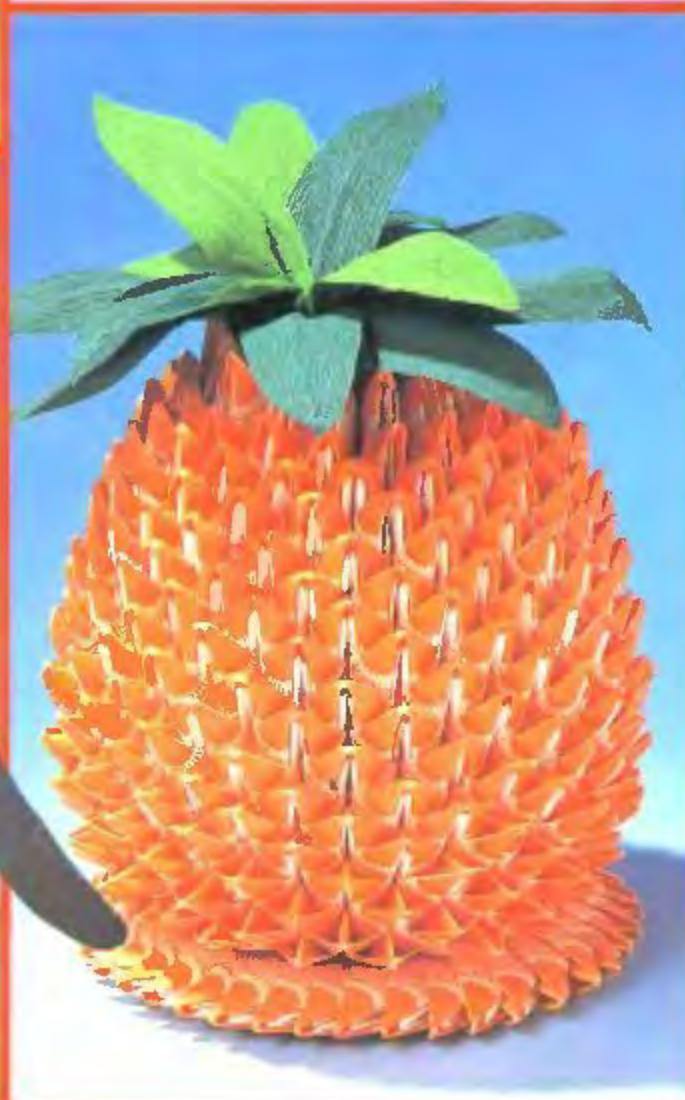


3D ORIGAMI

STEP-BY-STEP ILLUSTRATIONS



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Project editor: Ikuko Mitsuoka

English editor: Mieko Baba

Introduction

#1

GRANNY OWL

Instructions: P.79



Origami, or paper folding, has long been recognized as a hobby for children. It is fun to create a familiar figure simply by folding a square of origami paper, and when a project is done, you might want to keep it as a decoration. However, authentic origami figures are so light-weight and fragile they don't last long nor stand by themselves, and they were meant to be thrown away after all.

This book introduces you to an innovative approach to origami craft. The projects are heavy-weight and stable so you can keep them as ornaments. A small rectangular piece of paper is folded into a tiny, "magic" triangle. Make as many pieces as you can and build the figures or structures you fancy. You can suit your own sense by changing colors and numbers of pieces in certain rows, and by using paper of different thicknesses or textures. The possibilities are endless.

Origami is quite a time-consuming craft, but you need no special tools or workplace. With just paper and scissors, 3D origami is fun for all ages. In Japan, it has also become popular among people recovering after all illnesses. Everybody can enjoy folding and interlocking the "magic" triangles just as you would patchwork, knit or build with Lego® blocks.

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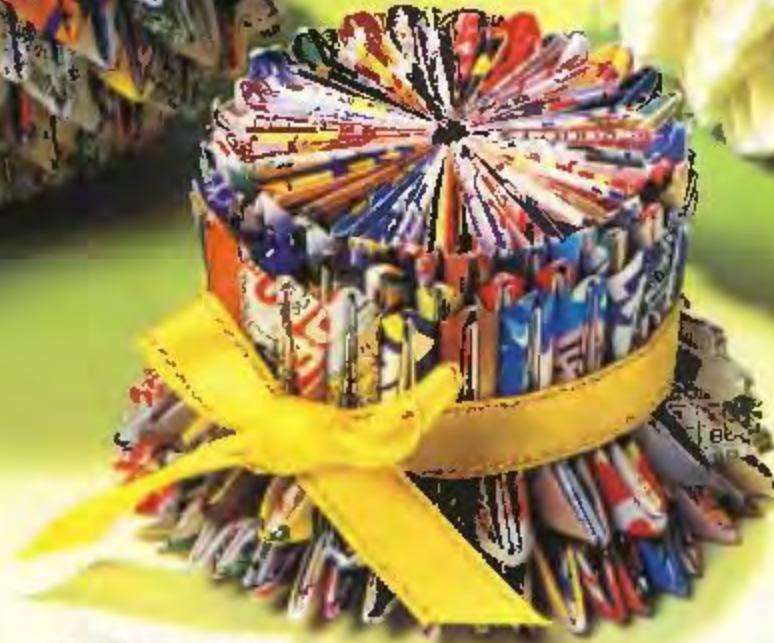
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ENJOY RECYCLING PAPERS

GOOD-LUCK
HYOTAN(GOURD): P.23



HAT: P.15

TOOTHPICK
HOLDER: P.15



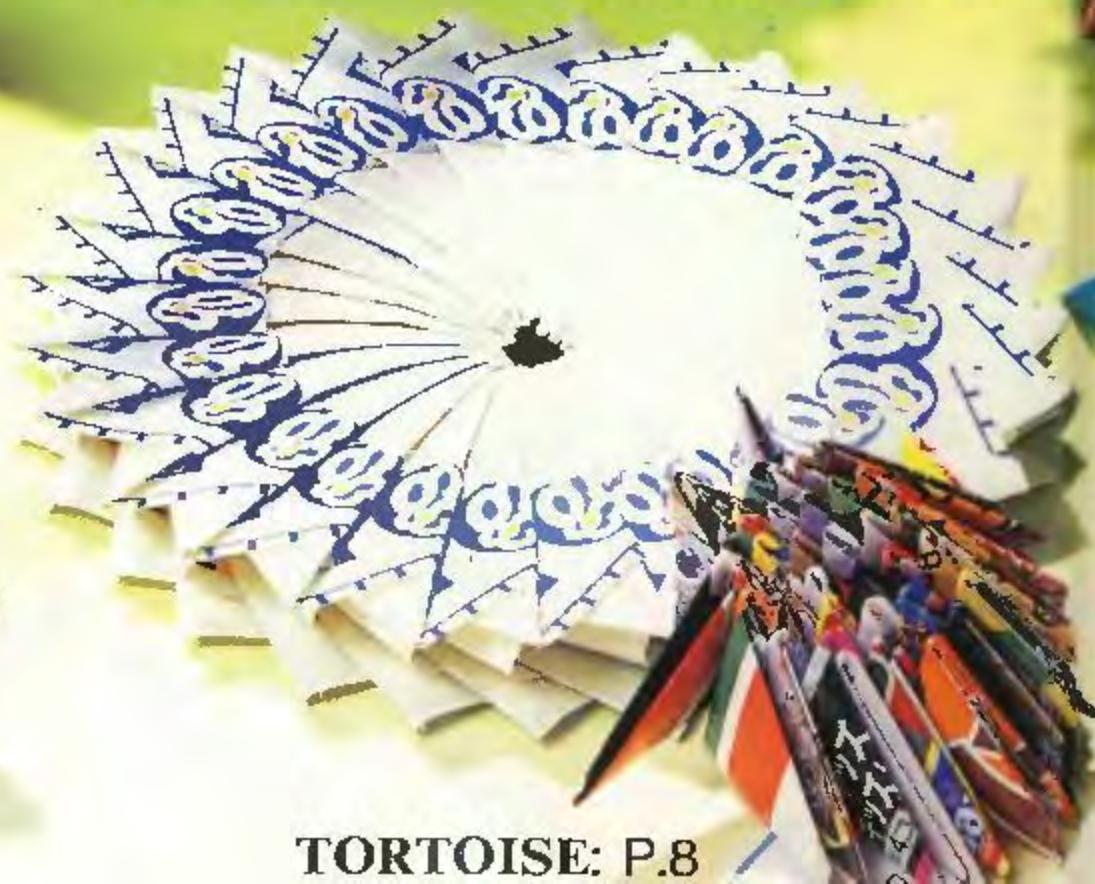
FISH: P.10

Our daily life is filled with various kinds of paper that are destined to be thrown away; catalogs, wrapping paper, magazines, tickets, flyers, etc. Before just getting rid of them, why don't you consider recycling them by creating delightful 3D figures? Save glossy, thick papers, patterned or solid, for later use.

RED-CROWNED CRANE: P.21



PEDESTAL: P.21



TORTOISE: P.8

Since each basic rectangle should be less than 2" × 4", you can cut any size of used paper down to that size out some from any used paper. Surprisingly beautiful effects will be obtained when patterned pieces are assembled together. This handicraft will be satisfying to you in a number of ways, learning a new skill, a constructive use of your time, and recycling unwanted paper into an artful new form.

BASKET: P.14



KINGFISHER: P.11

USING A VARIETY OF PAPERS



1

Fold in half.



8

Stack by inserting the points of triangles.



2

Fold in half again.



7

Prepare necessary number of triangles.



3

Make a triangle at the center. Fold in half again.
(See P.28 for details).



6

Fold in half again.



4

Fold in bottom corners.

5

Fold in half.

TWO-TONE RING

#5

TWO-TONE RING AND FROG

Instructions: P.30



#6

TWO-TONE RING AND GOLDFISH

Instructions: P.31



CHRISTMAS TREE

#4

TWO-TONE RING AND CRANE

Instructions: P.30



#7

FIR TREE

Instructions: P.33



#8

TREE WITH LIGHTS

Instructions: P.33



1 RING ASSEMBLY



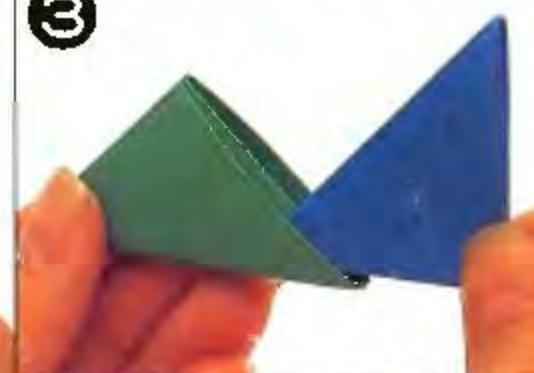
Hold the first piece with your left hand, the pockets facing you.

2



Hold the second piece with your right hand so two pointed points face left.

3



Insert two points into double pocket of the first piece.

4



Insert deeply as shown.

5



Insert two points of the third piece into double pocket.

6



Continue so the pocket side alternates its angle, vertically and diagonally.

7



Apply a dash of glue between pieces, adjusting the shape.

8



Completed RING.

EASY HORIZONTAL ASSEMBLY

Make as many as 40 triangles to create a beautiful tortoise. All you have to do is insert in the same direction. It's easy yet creative.

#9



The above is made of wrapping paper.

#10



TORTOISE

Instructions for #9 – #15: P. 5

TORTOISE ASSEMBLY

Different colors are used here for easy comprehension.



①

Make 40 triangular pcs.



②

Place 3 pcs. as Row 1, double pockets down. Join them with 4 pcs. by inserting double points into adjoining pockets of 2 pcs.



③

Row 3: Insert 5 pcs.



④

Row 4: Insert 6 pcs.



⑤

Row 5: Insert 5 pcs., leaving side triangles unworked.



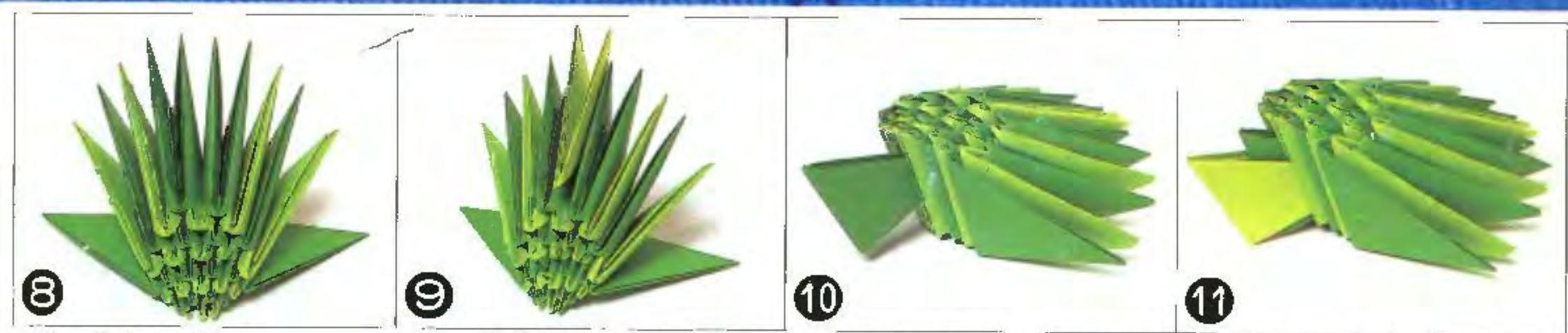
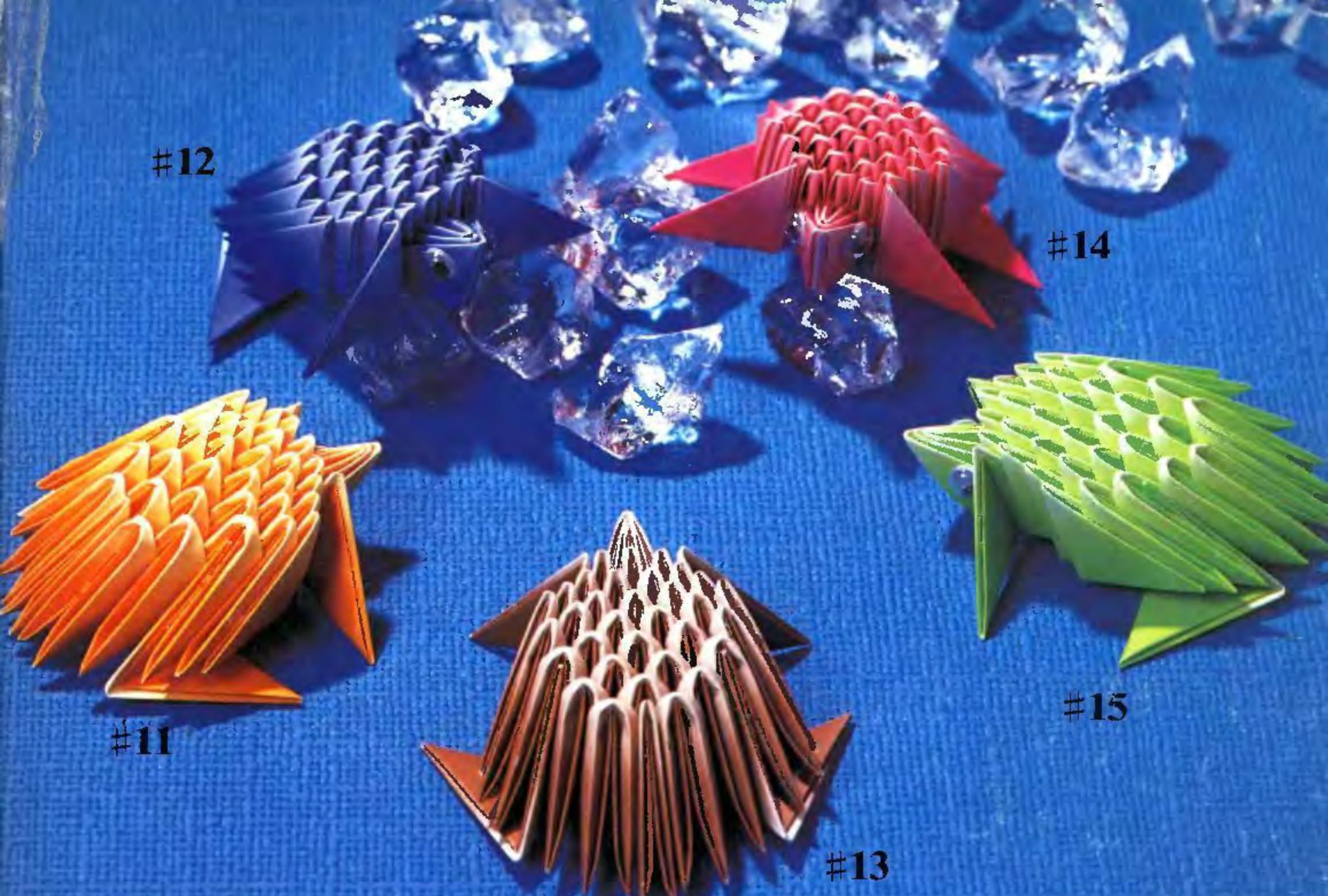
⑥

Row 6: Insert 4 pcs.



⑦

Row 7: Insert 3 pcs.

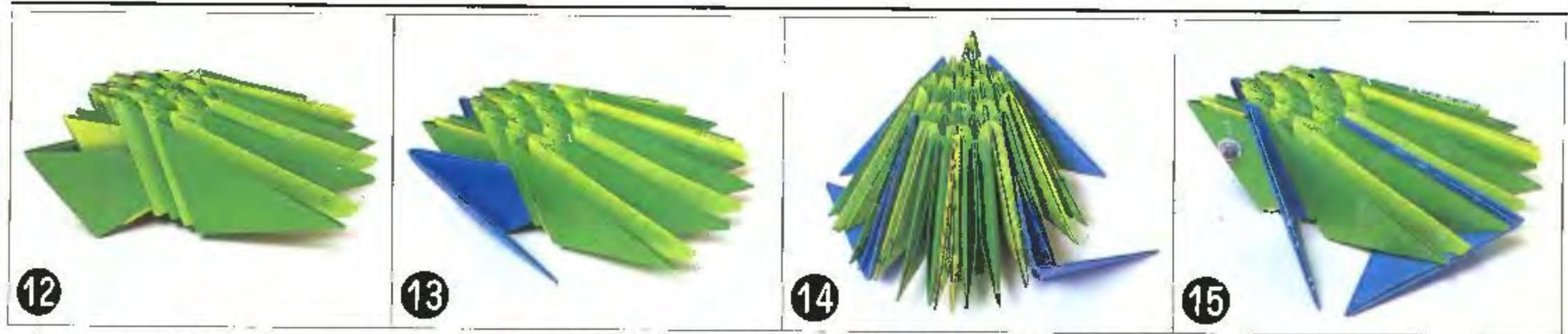


Row 8: Insert 2 pcs.

Row 9: Put 1 pc. between 2
pcs. of Row 8, and glue to
secure.

Head: Insert 1 pc. into center
piece of Row 1.

Cover with 1 pc. inserting
into adjoining pockets.



Cover it again with 1 pc.
inserting into outer pockets.

Fore legs: Open 1 pc. and
insert one point into an
outer pocket of Row 2.
Repeat on the other side.

Hind legs: Open 1 pc. and
insert one point into an
outer pocket of Row 6.
Glue to secure. Repeat on
the other side.

Glue on eyes to finish.



EASY HORIZONTAL ASSEMBLY



#24



#25

Most larger projects are constructed on a round base. Once you have learned the trick of the triangular pieces, this sunflower can be a good basis from which to start to proceed to more complicated designs. The more pieces you start with, the more easily you can join them, although the center hole will be enlarged as well. It is useful to practice joining small numbers of pieces securely.

SUNFLOWER

instructions for #24 & #25: P.13

Completed size

6" diameter

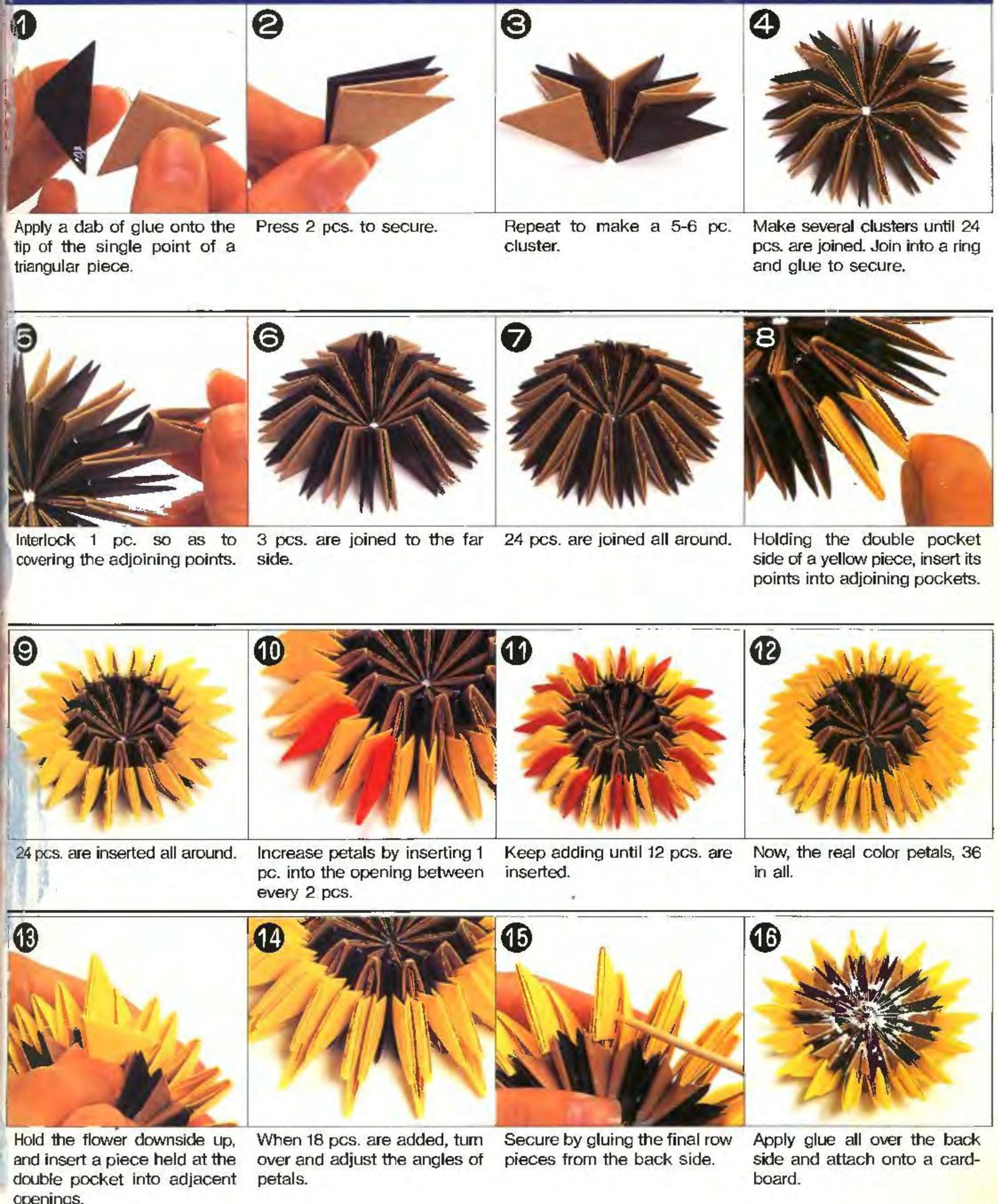
Materials

- #24: 54 2"x 3½" rectangles of craft paper (yellow)
- 48 2"x 3½" rectangles of craft paper (brown)
- #25: 54 2"x 3½" rectangles of craft paper (yellow)
- 24 2"x 3½" rectangles of craft paper (black)
- 24 2"x 3½" rectangles of craft paper (ocher)

Note

The completed project may look different depending on the thickness of the paper used.

SUNFLOWER ASSEMBLY(#25)



THREE-DIMENSIONAL ASSEMBLY

First make a circular base with triangular pieces. Then stack upward to create a 3D project. Once you have mastered the construction of the first piece, which is a little tricky, various shapes can be constructed as you wish. Start with a small number of pieces and proceed to more elaborate designs using a larger number of pieces.

#27



#26



BASKET

Instructions for #26 & #27: P.40

TOOTHPICK HOLDER

Instructions for #28 – #30: P.35



#28



#29



#30

HAT

Instructions for #31 – #33: P.41

#31



#32



#33

THREE-DIMENSIONAL ASSEMBLY

Fold and save triangular pieces in your spare time, in assorted colors or patterns, and challenge yourself to grander projects shown here and on the following pages.



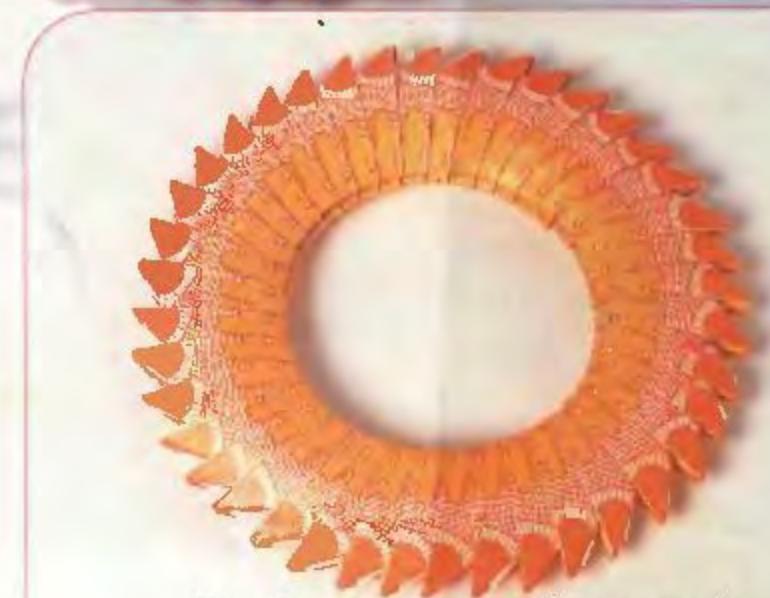
#36



#37

MINI PINEAPPLE

Instructions for #36 & #37: P.44



Pedestal for Pineapple

FRUIT COMBO

#38
WATERMELON

Instructions: P.46

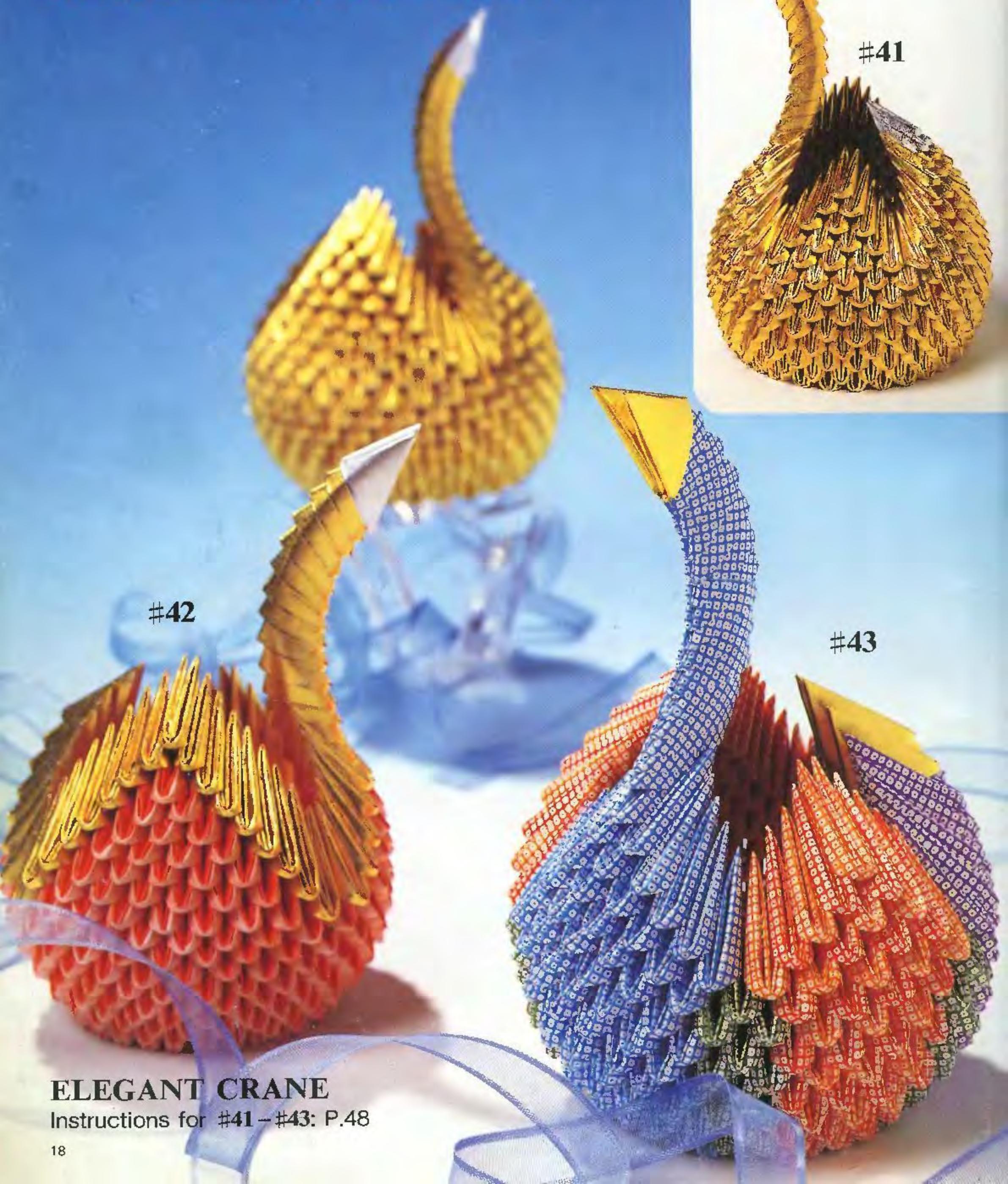


#39
LEMON
Instructions: P.67



#40
STRAWBERRY
Instructions: P.47

THREE-DIMENSIONAL ASSEMBLY



ELEGANT CRANE

Instructions for #41 – #43: P.48



#44



#45



BABY SWAN

Instructions for #44 & #45: P.54



#46



#47



#48

SWAN

Instructions for #46 – #48: P.56



#49



**#51
DANCING CRANE**
Instructions: P.62

RED-CROWNED CRANE

Instructions for #52 & #53: P.52





#55

METALLIC URN
Instructions for #55 & #56: P.88

#56

TEMARI BALL

Instructions for #49 & #50: P.68

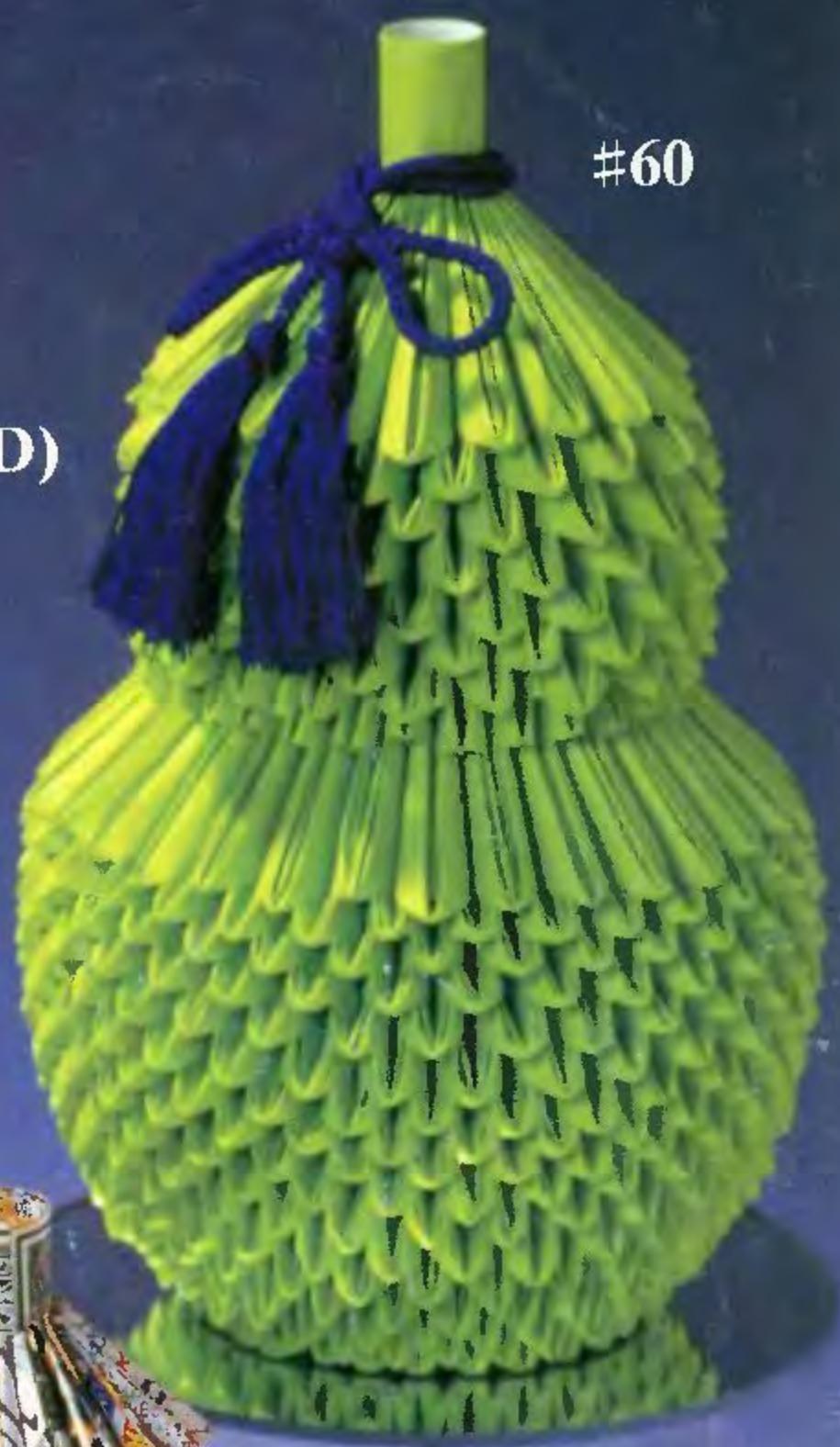


#58

#57

THREE-DIMENSIONAL ASSEMBLY

#60



#59



#61



GOOD-LUCK HYOTAN(GOURD)

Instructions for #59 – #61: P.70

THREE-DIMENSIONAL ASSEMBLY

OWL

Instructions for #62 – #64: P.7



#62



#63



#64

#65



#66



#67

WINGED OWL

Instructions for #65 – #67: P.72

**#68
KAPPA**

Instructions: P.80



PENGUIN

Instructions for #69 & #70: P.82



#70

#69

#71



#72

KITTEN

Instructions for #71 & #72: P.84

#73



#74

RABBIT

Instructions for #73 & #74: P.86



#75
BRIDEGROOM
Instructions: P.74



#76
BRIDE
Instructions: P.75

THREE-DIMENSIONAL ASSEMBLY

OWL WEDDING



#77
RING BEARER
Instructions: P.78



#78

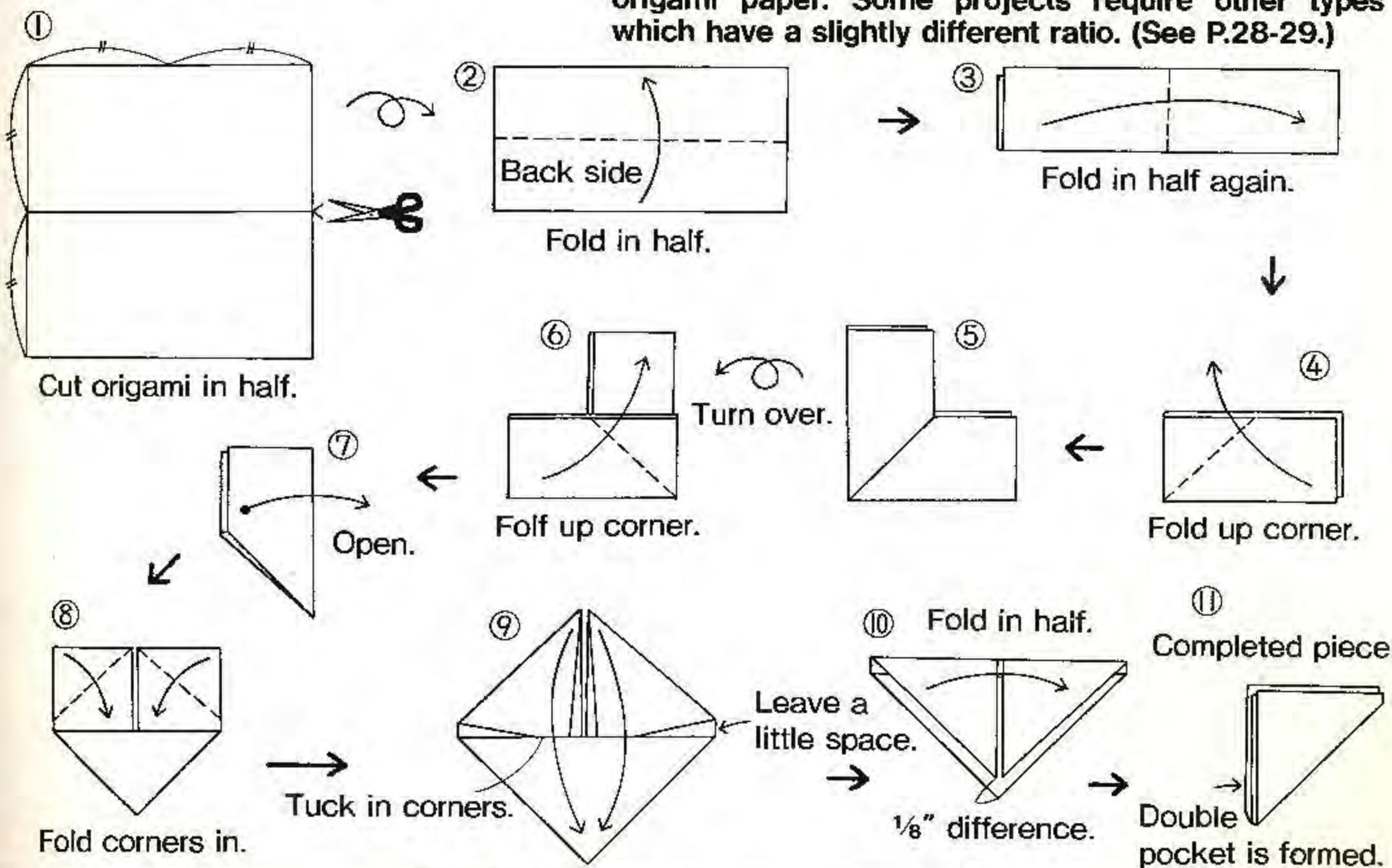


#79
FLOWER GIRL
Instructions: P.78

HOW TO MAKE TRIANGULAR PIECES

Using origami paper: Type "A"

The rectangular piece for Type "A" has an exact ratio of 2 : 1 for length to width because it is a half of square origami paper. Some projects require other types which have a slightly different ratio. (See P.28-29.)

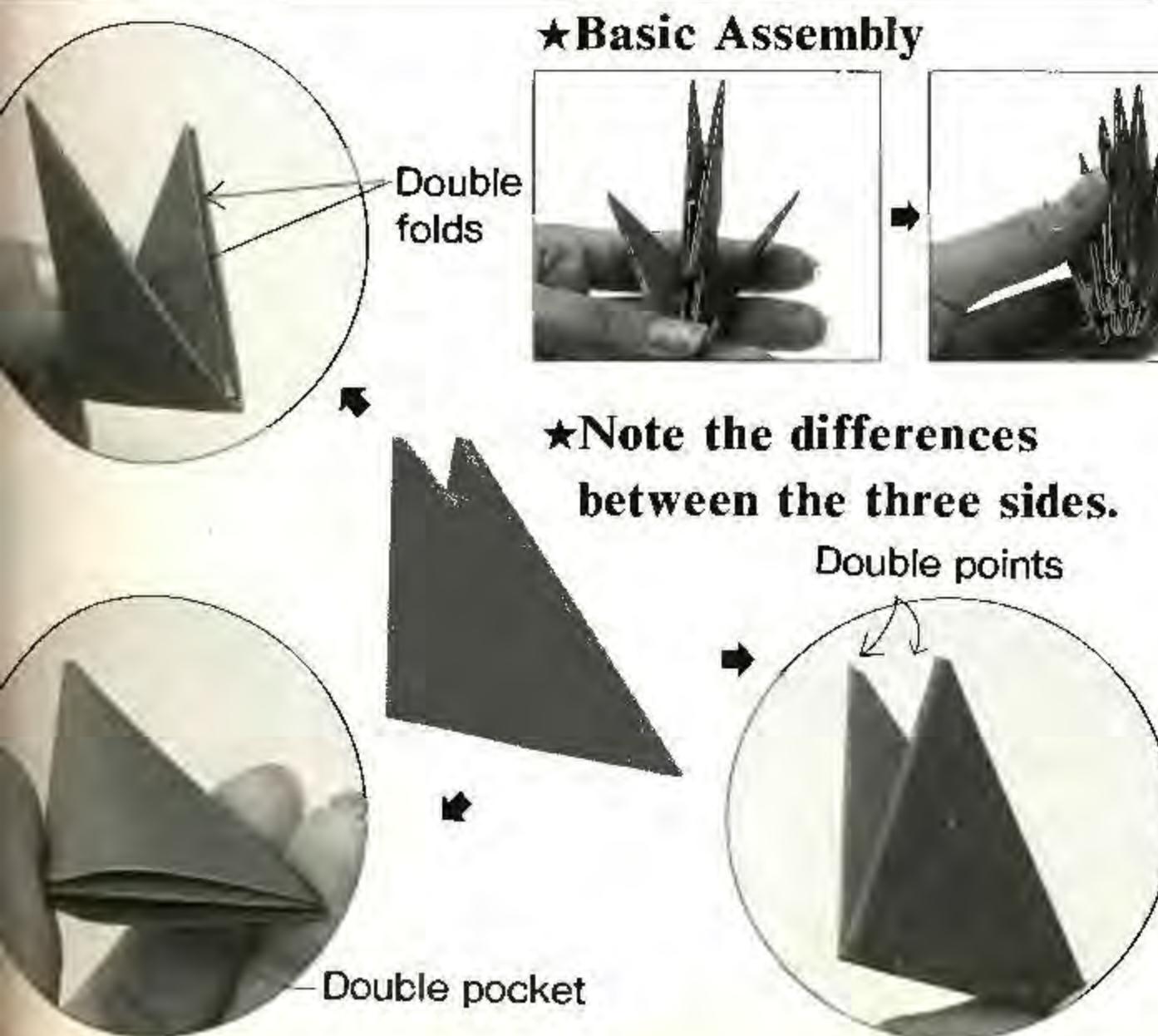


★Basic Assembly



★Note the differences
between the three sides.

Double points

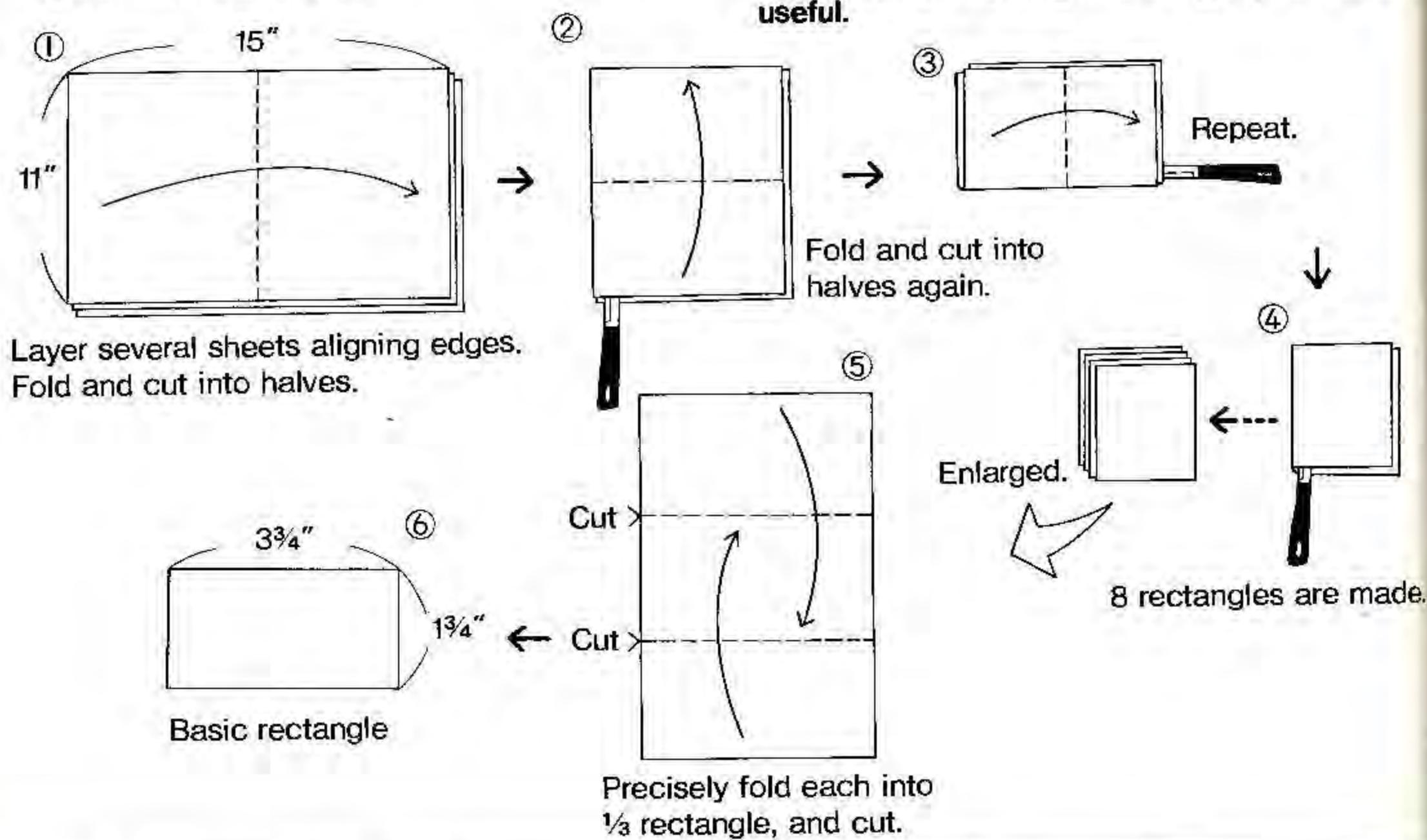


In most cases triangles are joined by inserting double points of a triangle into the double pockets of new triangles. Hold two pieces together, double points facing up, then stack on a new piece by inserting the middle points into the double pockets. This makes the second row that connects the pieces of the first row at the same time.

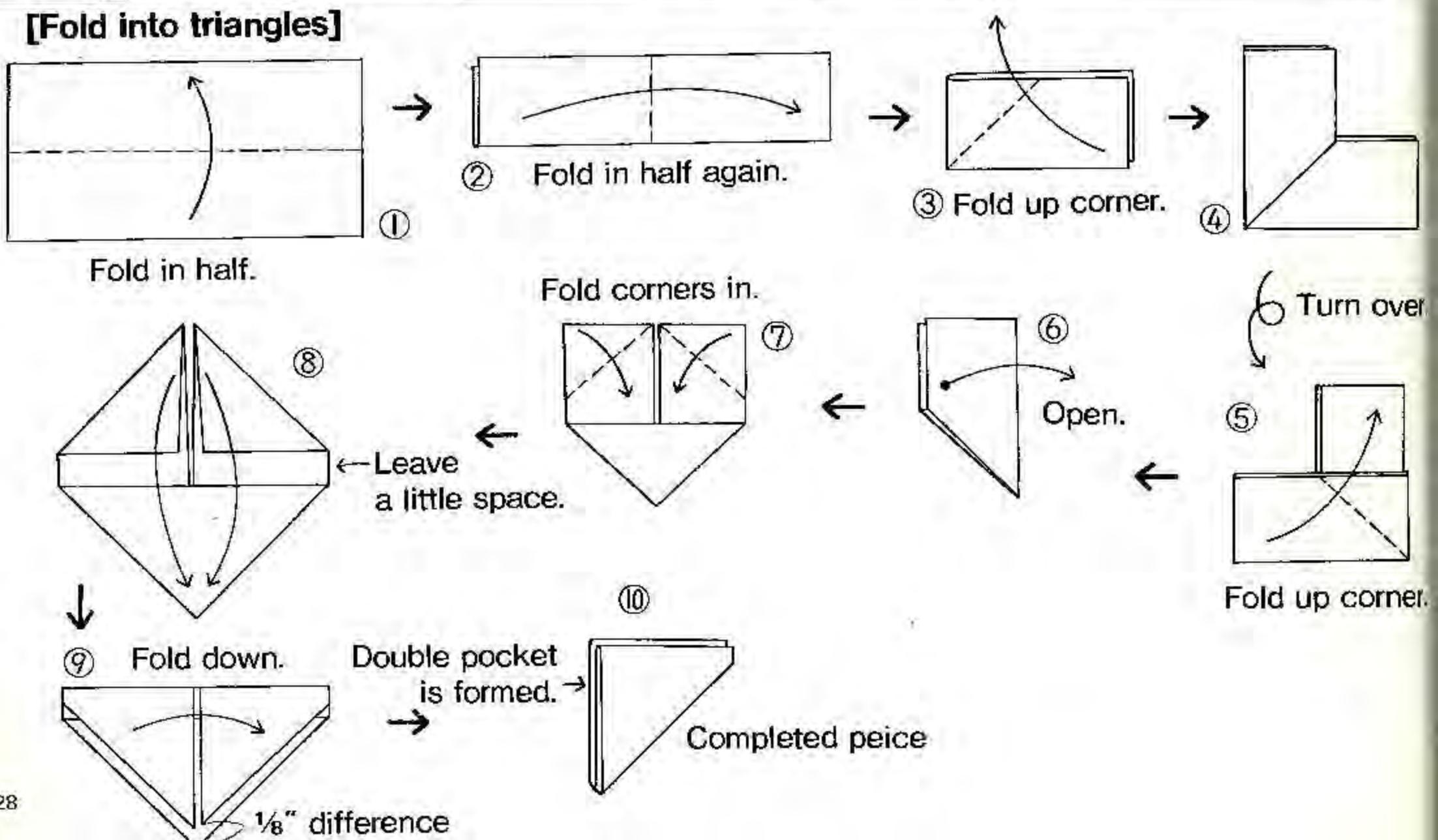
HOW TO MAKE TRIANGULAR PIECES

- Using flyer or wrapping paper: Type "B" Usually commercial paper does not have the exact ratio of 2 to 1 for its length to width. So the width of Type "B" rectangle is slightly longer than a half of the length. This type piece is often useful.

[Cut into rectangles]



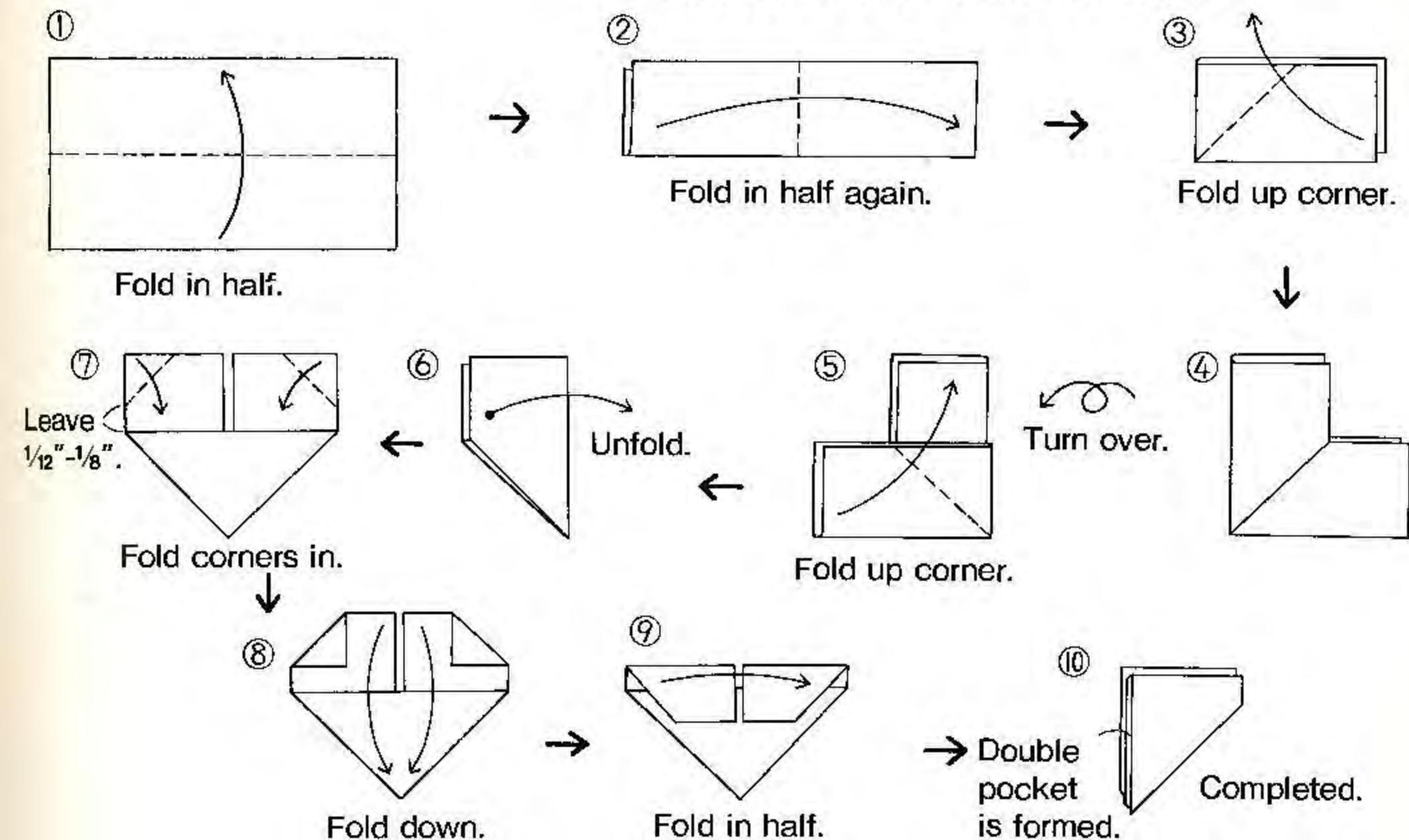
[Fold into triangles]



HOW TO MAKE TRIANGULAR PIECES

Using craft paper: Type "C"

Commercial rectangular papers are available at handicraft shops. This Type "C" rectangle has a width slightly less than a half of the length.



UTENSILS

- ① Cutting board
- ② Flyer
- ③ Ruler
- ④ Scissors
- ⑤ Paper cutter
- ⑥ Bamboo skewer
to apply glue
- ⑦ Wood glue
- ⑧⑨⑩ Craft papers



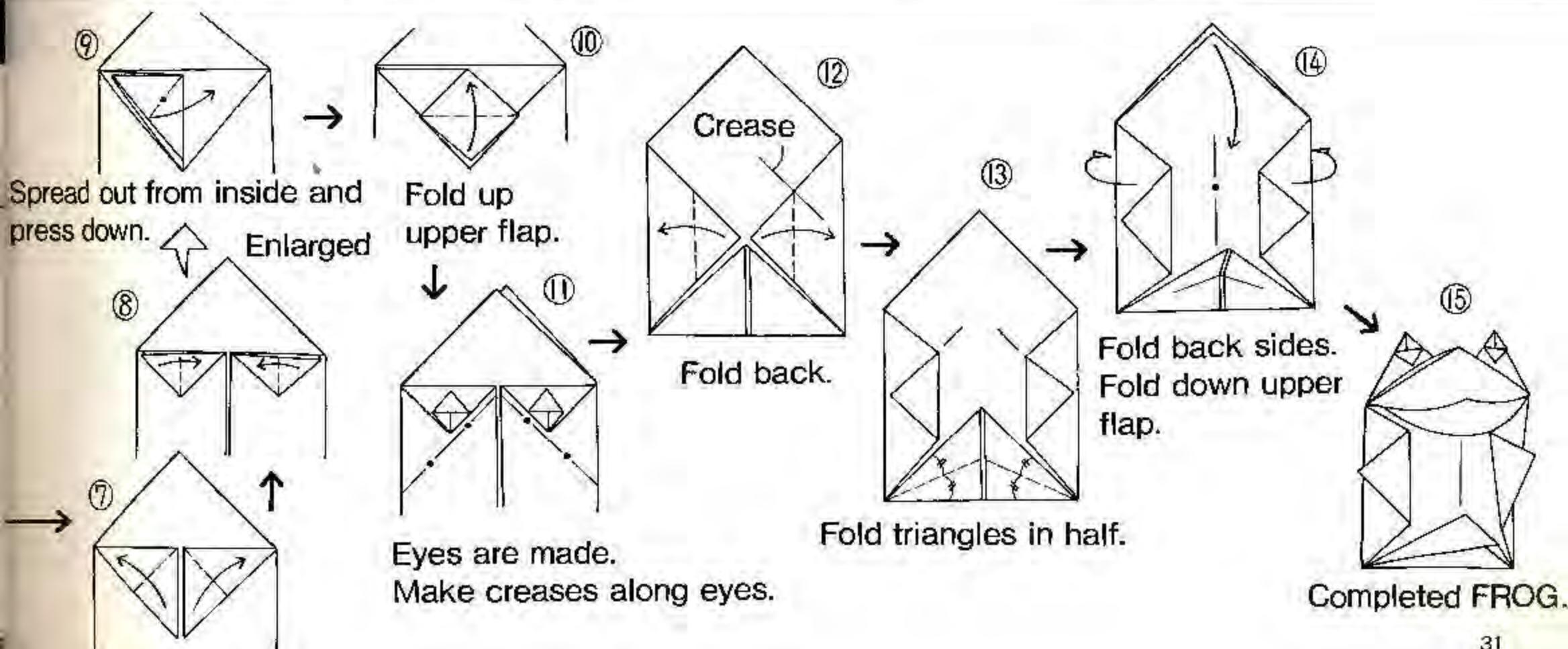
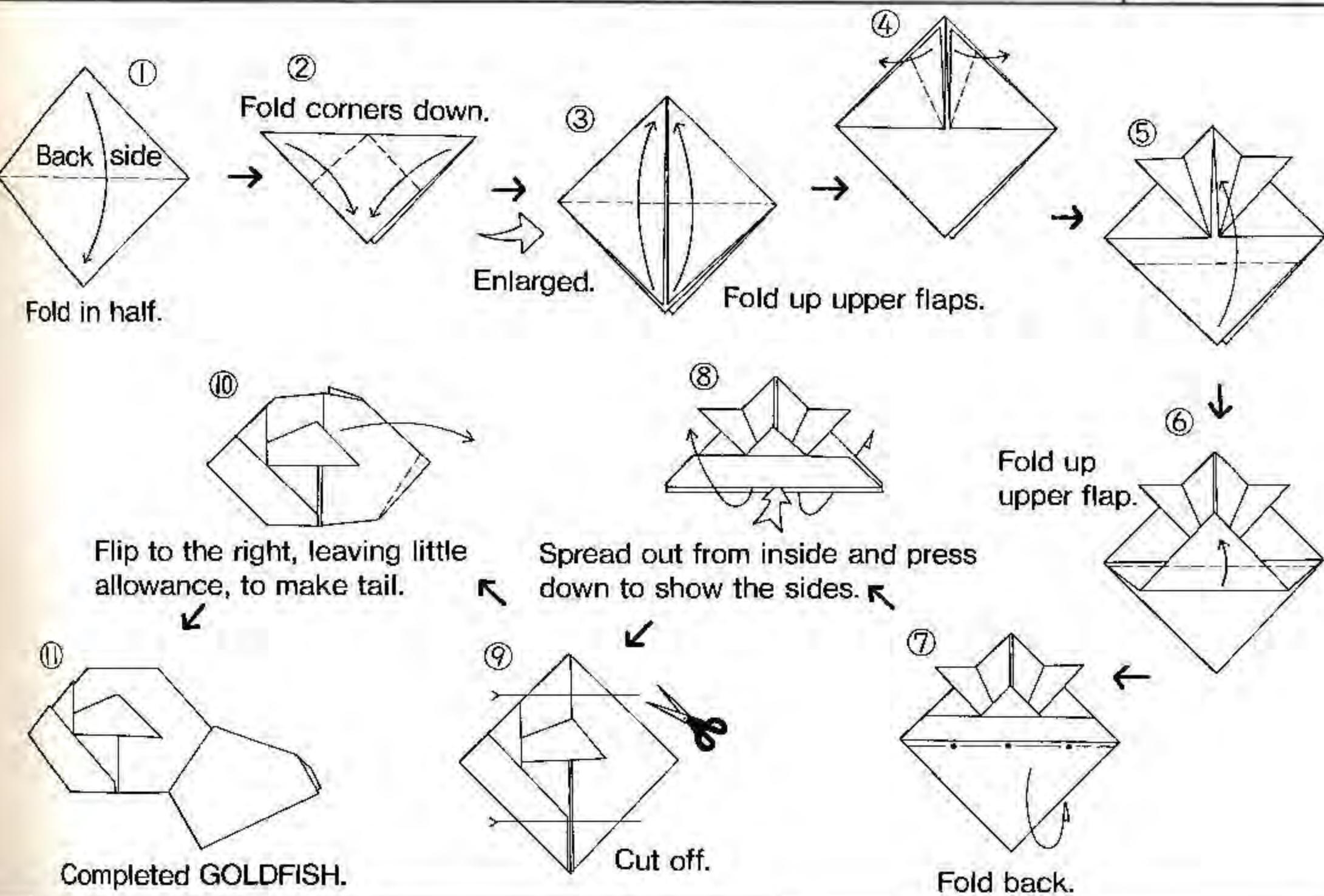
#6 TWO-TONE RING WITH GOLDFISH (P.7)

Completed size
5" diameter

Materials RING: 50 1½" × 3" rectangles of origami paper (gradated color)

GOLDFISH: 1 3" square origami (red, colored on both sides)

Note See P.7 for "RING" instructions.



Completed
#2: 1¾" high
#3: 2¾" high

#2 & #3 ORNAMENT STAND (P.6)

Materials #2: 12 3" × 6" rectangles of origami paper (gradated color)
#3: 12 4¾" × 9½" rectangles of origami paper (6 colors)

Note The completed project may look different depending on the thickness of the paper used.



1



Holding the first piece double pocket facing left, insert the points of the second piece into the longer pockets, not too deeply.

2



Insert the third piece into the second.

3



Insert the fourth piece into the third.

4



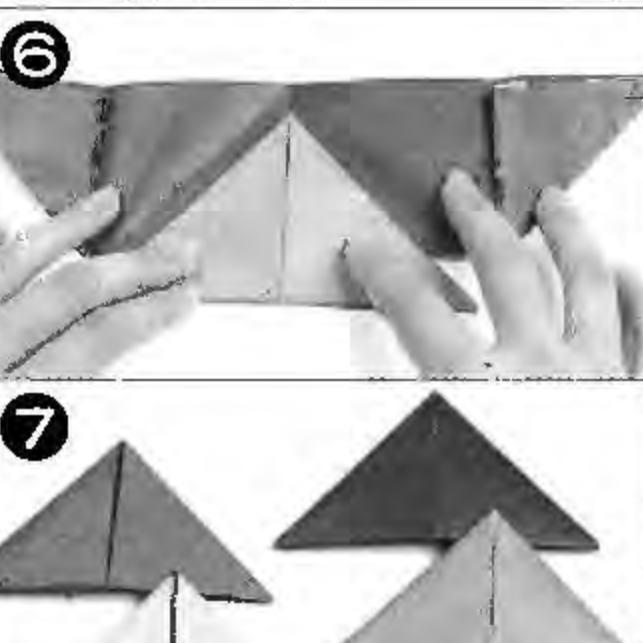
Insert the points of the first piece into the fourth.

5



Push the corners inward to make table top.

6



Make legs. Unfold a triangular piece. Place another unfolded piece in the center.

7



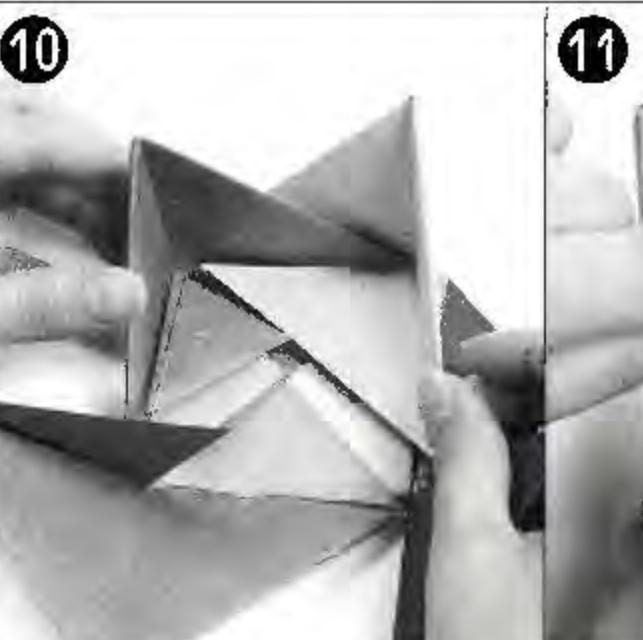
Fold again to make reinforced leg. Make 4.

8



Unfold one triangle of a leg and insert into the low pocket of table top.

9



Repeat with the remaining legs.

10



Bring the triangular flap onto the "table top". Repeat with remaining legs.

11



Insert the final flap under the first triangle.

Completed ORNAMENT STAND.

#7 & #8 CHRISTMAS TREE (P.7)

Completed size
#7: 5" high
#8: 4" high

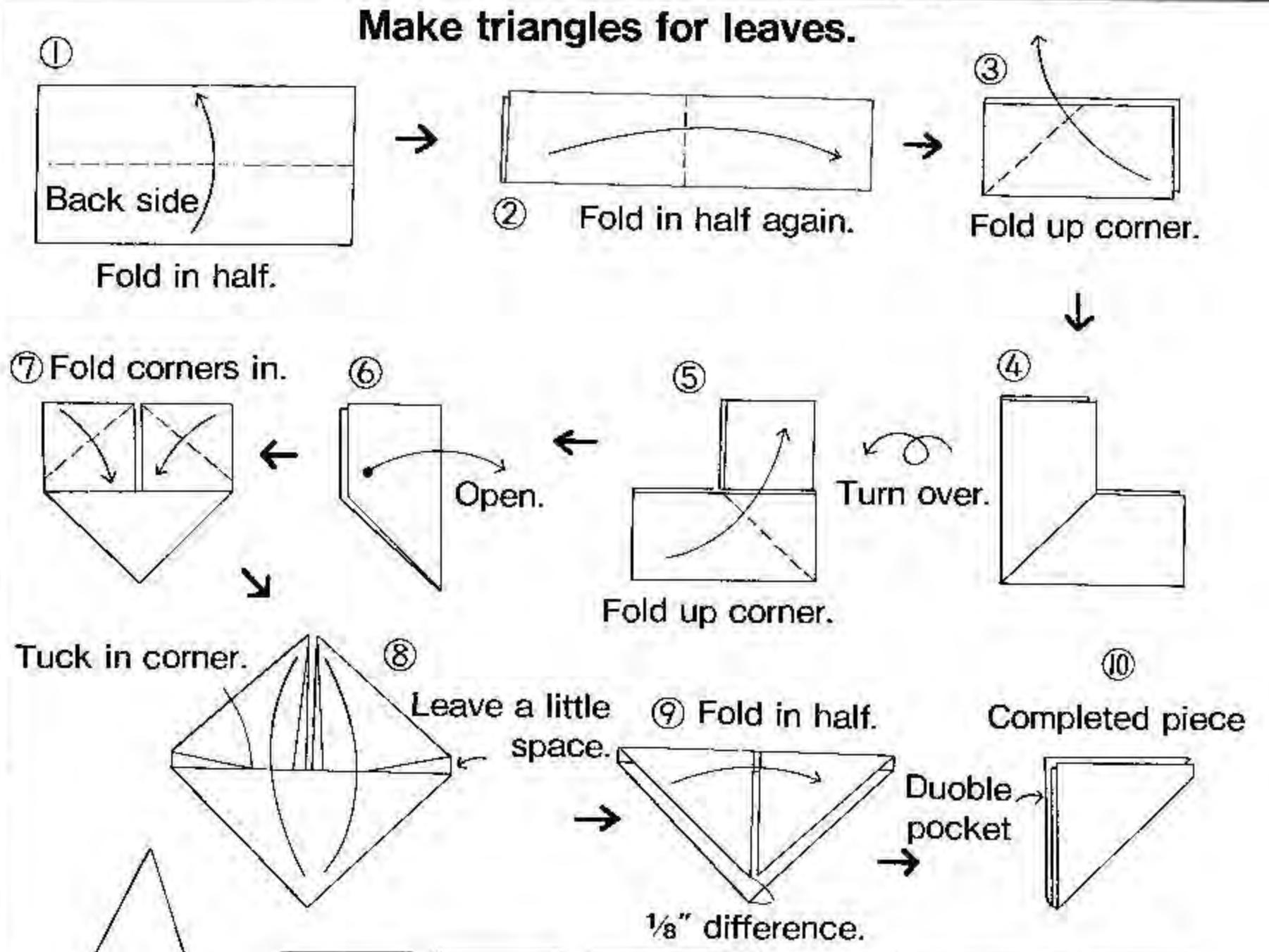
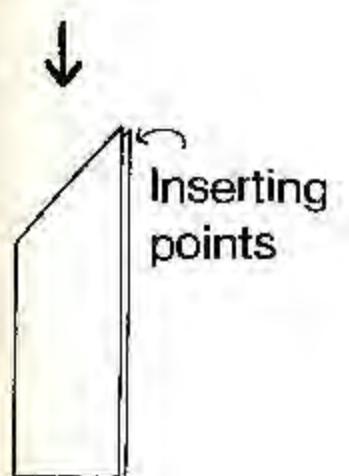
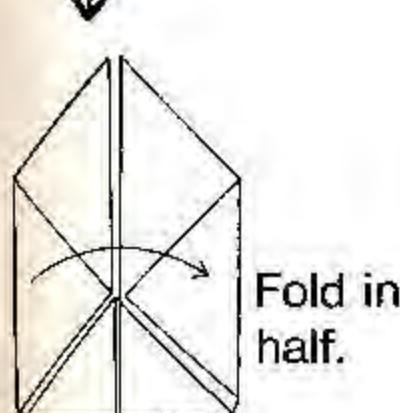
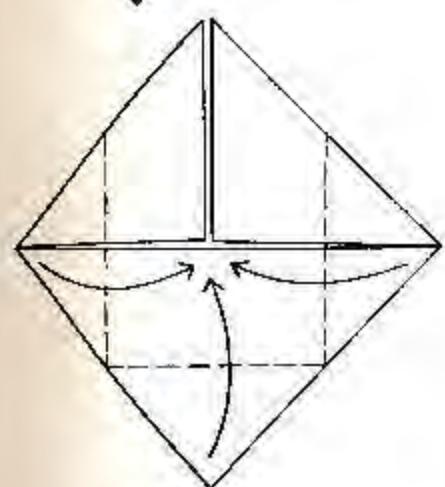
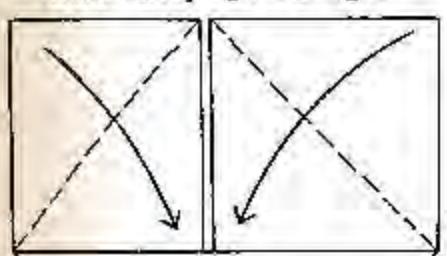


Materials

- #7: 9 3" x 6" rectangles of origami paper (dark green)
- 1 3" x 6" rectangle of origami paper (brown)
- #8: 5 3" x 6" rectangles of origami paper (green)
- 1 3" x 6" rectangle of origami paper (brown)
- 11 sequins and beads

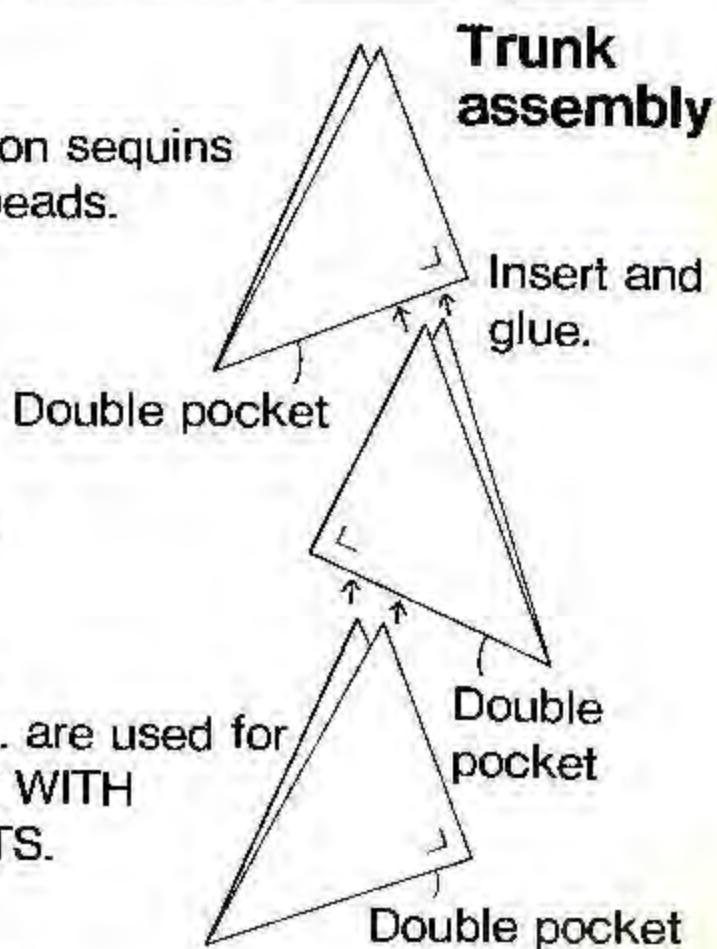
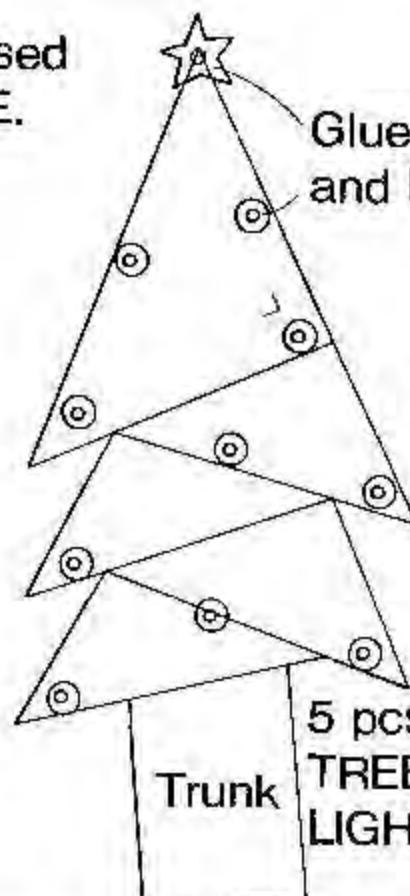
Make trunk

See left, ① to ⑥.



FIR TREE

TREE WITH LIGHTS



#16-#19 GOLDFISH (P.10)

Completed size #16 & #17: 2" wide, 5" long #18 & #19: 1½" wide, 3¾" long

Materials #16: 16 3"×6" rectangles of origami paper (gradated color)

12 3"×6" rectangles of origami paper (solid)

#17: 28 3"×6" rectangles of origami paper (assorted colors)

#18 & #19: 28 1¾"×3¾" rectangles of glossy paper (from magazine)

2 ¼" diam. plastic eyes each

* See opposite page for diagram.



Hold the first piece double pocket facing the left, and insert its points into the adjoining pockets of two pcs. to form Row 2.

Insert into 3 pcs. to make Row 3.

Join 4 pcs. as Row 4, then 5 pcs. as Row 5.



Join 4 pcs. as Row 6. Open side triangles of Row 5 to form fins.



Join 3 pcs. as Row 7. Insert side flaps of Row 6 into the outer pockets.



Insert the center 4 points into 1 pc. form Row 8.



Insert all points into 1 pc. Repeat Row 10 so the tail tapers.



Make tail fin: Join 2 pcs. to make Row 11, and 1 pc. for Row 12.



Glue on eyes to finish.

#28-#30 TOOTHPICK HOLDER (P.15)

Completed size #28 & #30: 2" high, 1¾" wide #29: 2½" high, 2" wide

Materials #28: 64 1½"×3" rectangles of patterned washi paper

5 1½"×3" rectangles of solid washi paper

#29: 69 1¾"×3¾" rectangles of glossy paper (from magazine)

#30: 69 1½"×3" rectangles of patterned washi paper

Note The completed project may look different depending on the thickness of the paper used.



#16-#19 GOLDFISH & FISH	Tail	{	▽ Row 12 (1 pc.)
			▽▽ Row 11 (2 pcs.)
			▽ Row 10 (1 pc.)
			▽ Row 9 (1 pc.)
			▽ Row 8 (1 pc.)
			▽▽▽▽ Row 7 (3 pcs.)
	Fin		▽▽▽▽ Row 6 (4 pcs.)
			▽▽▽▽ Row 5 (5 pcs.)
			▽▽▽▽ Row 4 (4 pcs.)
			—▽▽▽— Row 3 (3 pcs.)
			▽▽ Row 2 (2 pcs.)
			▽ Row 1 (1 pc.)

#28 - #30 TOOTHPICK HOLDER

Handle
(5 pcs.)

▽▽▽▽▽▽▽▽▽▽▽▽▽▽▽ Row 5
▽▽▽▽▽▽▽▽▽▽▽▽▽▽▽ Row 4
▽▽▽▽▽▽▽▽▽▽▽▽▽▽▽ Row 3
▽▽▽▽▽▽▽▽▽▽▽▽▽▽▽ Row 2
△△△△△△△△△△△△△ Row 1

Join ends to form
a ring of 13 pcs.

1



2



3



Hold a pair of pieces, double pockets down and the right angles away from you. Join them with a piece, the right angle facing you. Repeat to make 6 3-pc sets.

Join all sets by inserting adjoining points into a new piece.

Join into a ring.
13 pcs. are used for Row 1.

4



Rows 3-5: Join in the same direction.
The center of bottom is somewhat twisted.

5



Insert any 2 adjoining points into a piece of handle.

6



Secure handle with glue.

#20 SOARING CRANE (P.10)

Completed s



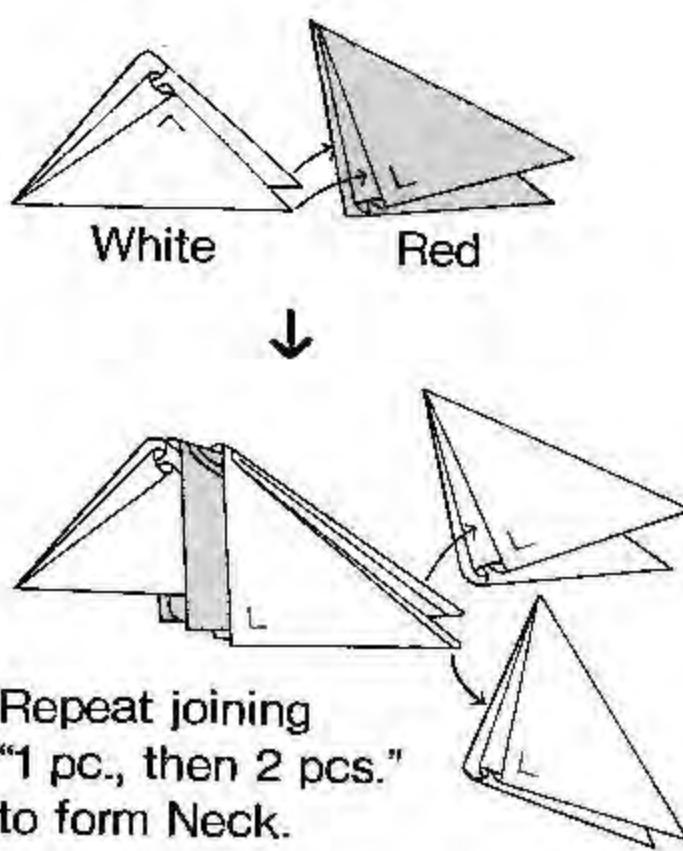
Materials

53 3" x 6" rectangles of origami paper (white)
 15 3" x 6" rectangles of origami paper (black)
 16 2" x 3½" rectangles of origami paper (white)
 1 2" x 3½" rectangle of origami paper (red)
 2 ¼" diam. plastic eyes

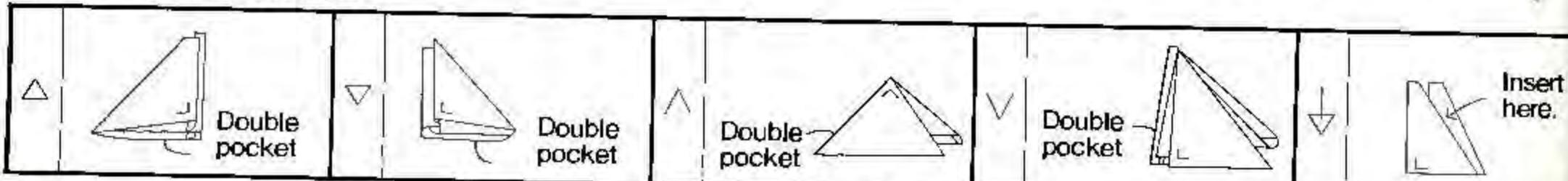
Note

Note: The completed project may look different depending on the thickness of the paper used.

Head/Neck



Signs for piece direction



6

#23 SWALLOW (P.11)

Completed size
6" wide, 6" long

	Row
▼▽ Black	▼▼ 20
▽ Gray	▼▼ 19
	▼▼ 18
	▼▼ 17
Tail	Join 1 pc. each for separate Tail.
	▼▼ 16
	▼▼ 15
	▼▼ 14
	▼ 13
	▼ 12
	▼ 11
	▽▽ 10
	▽▽▽ 9
	▽▽▽▽ 8
	▼▽▽▽▽ 7
	▽▽▽▽▽ Row 6
	▽▽▽▽▽▽ Row 5
	▽ ▽ ▽▽▽▽▽ Row 4
	VV ▽▽▽▽ Row 3
First piece of Wing	▽▽ Row 2
	▲▲ Row 1

Eye attaching position

Materials

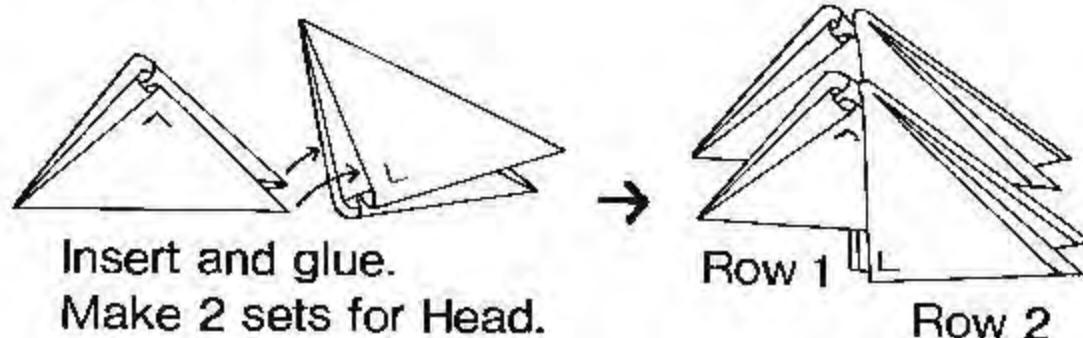
61 3" x 6" rectangles of origami paper (black)
24 3" x 6" rectangles of origami paper (gradated gray)
2 1/4" diam. plastic eyes

Note

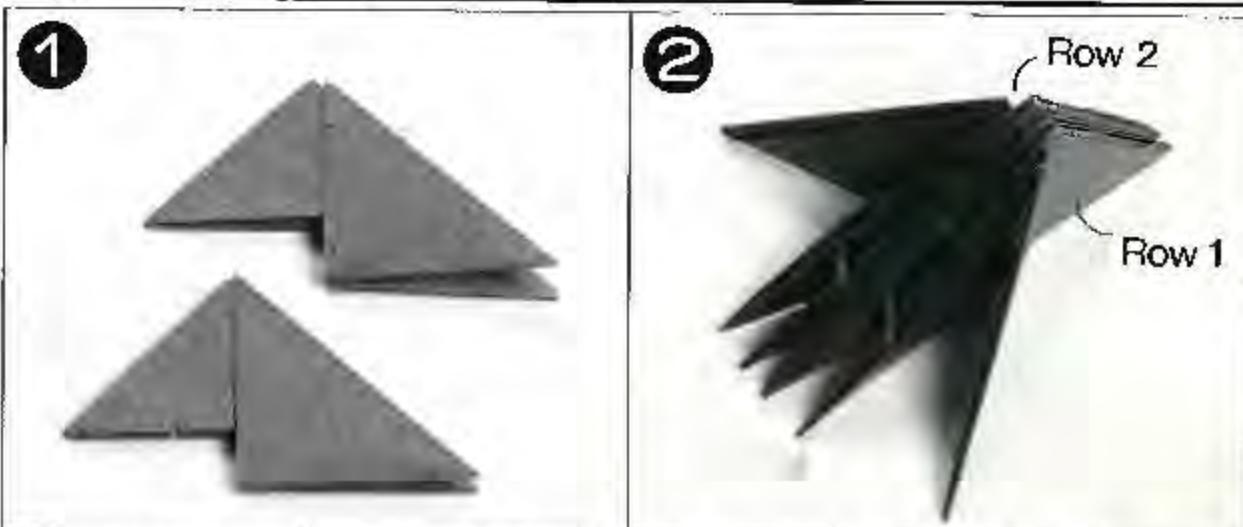
The completed project may look different depending on the thickness of the paper used.



Head



Insert and glue.
Make 2 sets for Head.



Make head referring to figure 1. Join 3 pcs. to form Row 3. above. Make 2 sets.

③

Rows 4-7:
Work as
directed
above.
Row 8:
Join by
covering side
flaps of
previous row.

④

Row 10 is done.

⑤

Make tail
base by
joining 1 pc. in
the next 3 rows.

⑥



⑦



⑧



⑨



Split the tail and join 1 pc. each in Row 7.

Make wing. Insert 1 basic piece into 2 pcs. Join 1 pc. only to one side for Row 4, inserting the point into outer pocket. Join 1 pc. covering previous row in Row 8.

Make 2 wings. Join by inserting side flap of Row 5 into the wing.

Attach eyes to finish.



#26 & #27 BASKET (P.14)

Completed size:
6 $\frac{1}{4}$ " wide, 8" h

Materials (for each item)

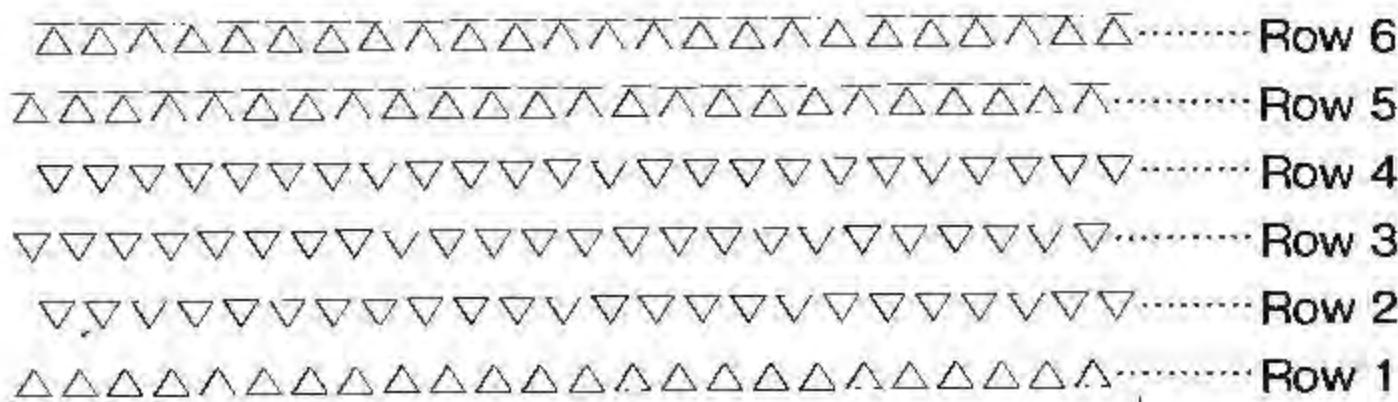
Materials (for each set):
163 $2\frac{3}{4}'' \times 6''$ rectangles of patterned paper

Note

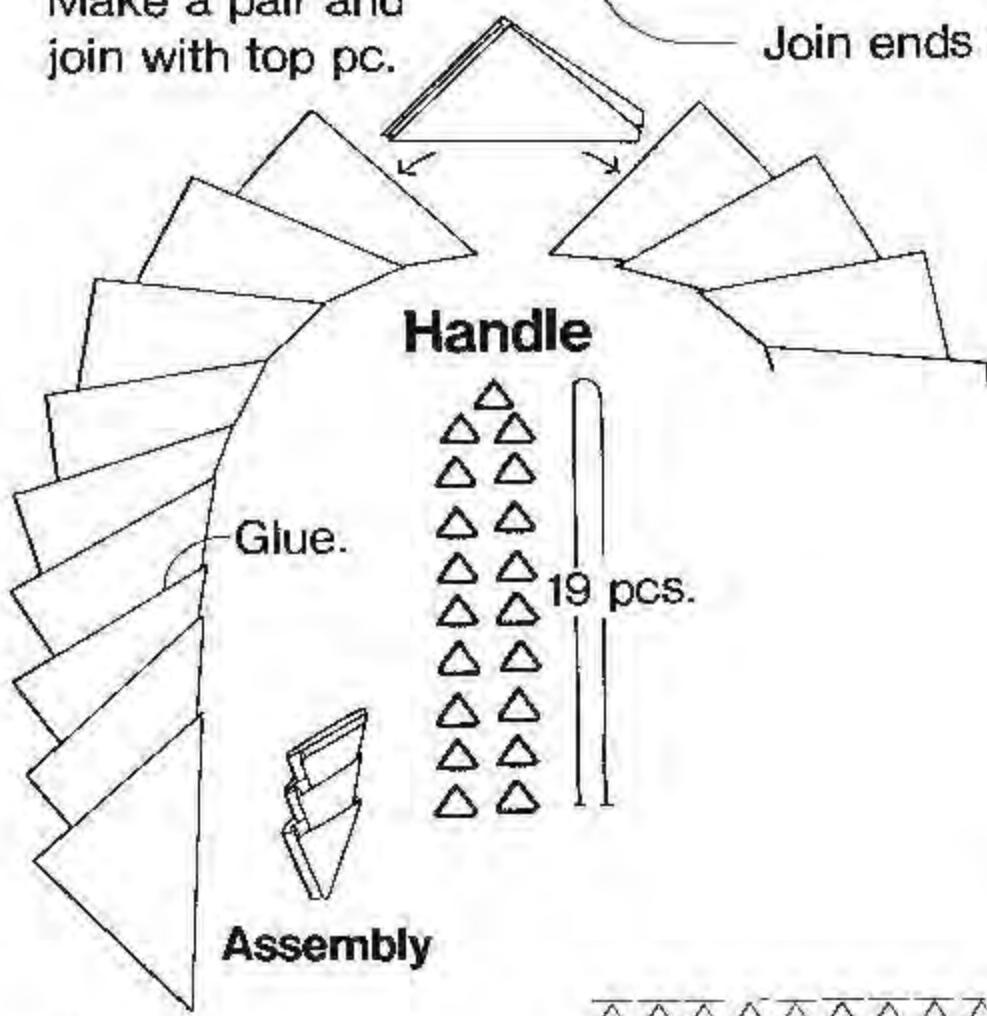
Note The completed project may look different depending on the thickness of the paper used.

* Basket and hat are made in a similar way. The procedure is the same until Step 5, on the opposite

BASKET



Make a pair and
join with top pc.



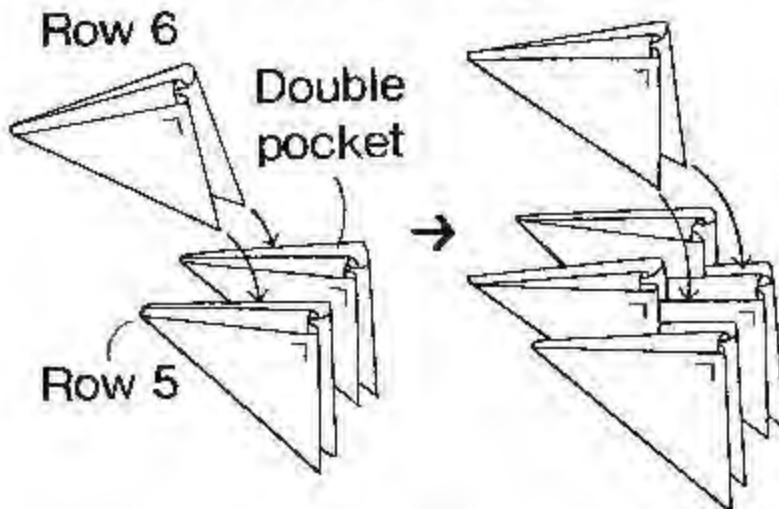
Join 9 pcs.

Handle

A triangular arrangement of 15 triangles, forming a pattern where each row has one more triangle than the row above it, starting from a single triangle at the top.

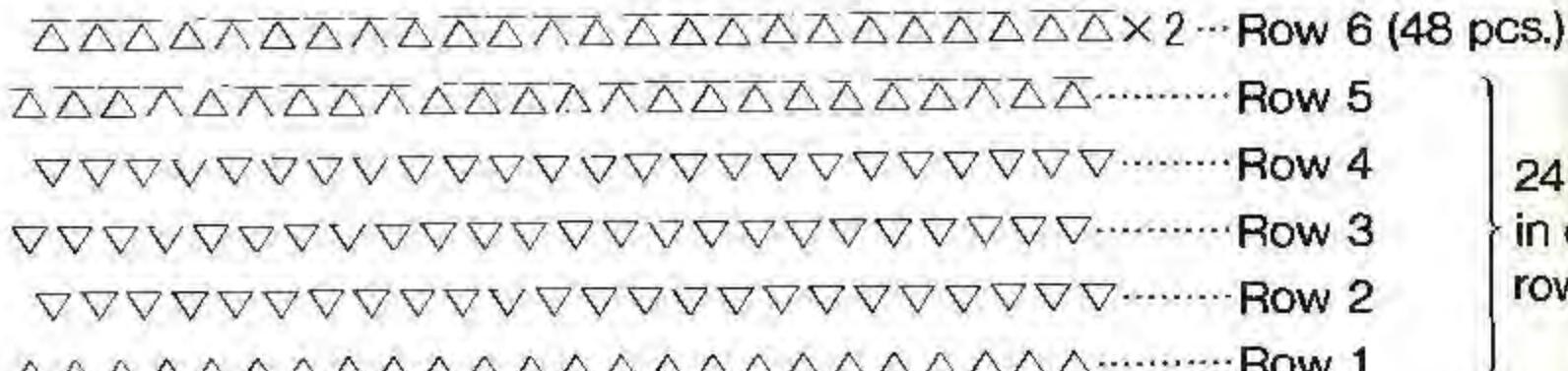
19 pcs.

△assembly



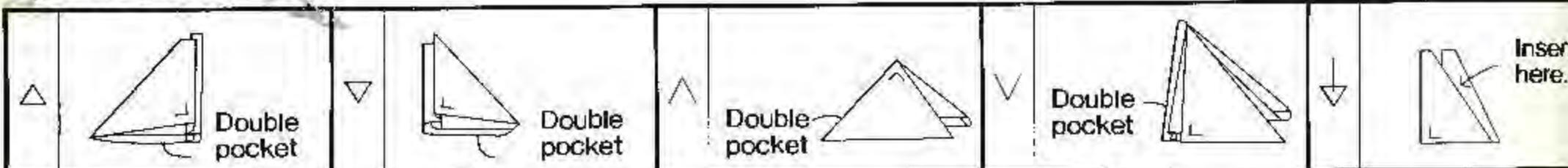
Insert between 2 pcs. to increase to 48 pcs.

HAT



Join ends to form a ring of 24 pcs.

Signs for piece direction



#31-#33 HAT (p.15)

Completed size

#31 & #32: 6 $\frac{1}{4}$ " wide, 3 $\frac{1}{8}$ " high
#33: 3 $\frac{1}{2}$ " wide, 2" high



Materials

#31: 168 3" x 6" rectangles of origami paper (blue)

#32: 168 3" x 6" rectangles of origami paper (black)

#33: 168 1 $\frac{3}{4}$ " x 3 $\frac{3}{4}$ " rectangles of glossy paper (from magazine)

Note

The completed project may look different depending on the thickness of the paper used.

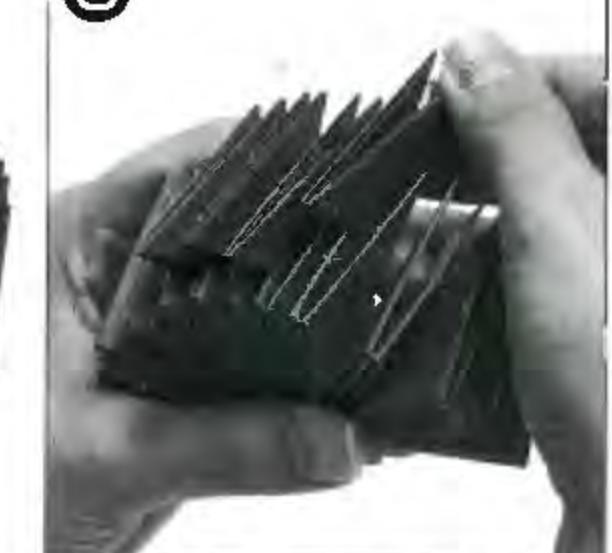
1



2



3



Apply glue onto tips and join 6 pcs. Make 4 sets.

Join into a ring by gluing points.

Insert each 24 pcs. for Rows 2-4.

4



5



6



7



Join Row 5 by holding a piece double pocket facing up and the right angle facing in.

Work Row 6 in the same manner. (Proceed to Step 8 for HAT.)

Make handle referring to the figure on the opposite page.

Insert ends of handle into BASKET and glue to secure.

B HAT ASSEMBLY



9



10



Fill between pieces by inserting 1 pc., all around.

Check the shape and glue several hidden points to secure.

Tie ribbon around to finish.



#34 & #35 PINEAPPLE (P.16)

Completed size
#34: 5" wide, 6 $\frac{3}{4}$ " high
#35: 4 $\frac{1}{2}$ " wide, 5 $\frac{1}{2}$ " high

Materials #34: 375 $2\frac{3}{4}'' \times 6\frac{3}{8}''$ rectangles of patterned paper (green)
#35: 375 $2\frac{3}{4}'' \times 6\frac{3}{8}''$ rectangles of patterned paper (orange)
1 $20'' \times 12''$ crepe paper (green)
7 $14''$ #28 wrapped wire (green)
4" $1\frac{1}{2}''$ thick craft wire
60" $1\frac{1}{2}''$ floral tape

* Materials except rectangular paper are for each item

Turn
upside
down
here.

Row 1

Row 2

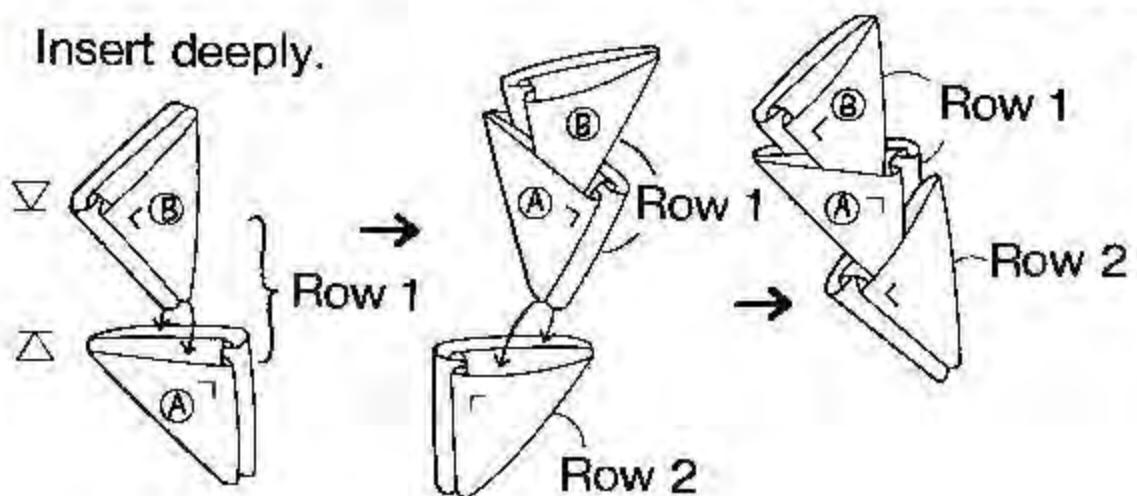
Row 3

Row 4

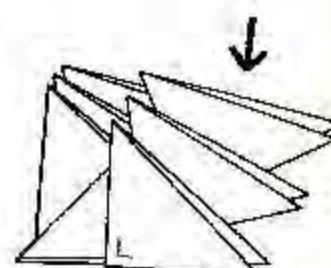
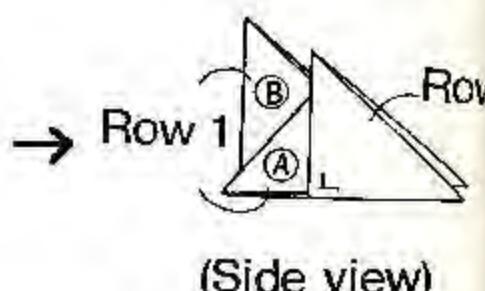
Join ends to form a ring of 18 pcs.

Row 1 to Row 2 assembly

Insert deeply.



**Make 18 sets.
Be sure to interlock
securely.**



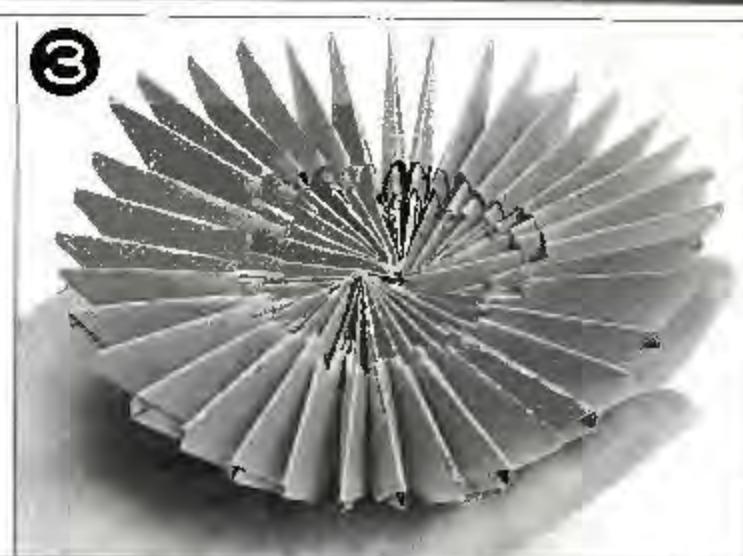
Join 18 sets to form a ring.
(See Step 2, opposite page.)



Referring to the figures on the opposite page, join 3 pcs. and glue to secure. Make 18 sets.



Join 2 sets by inserting their adjoining points into a new piece. Continue to form a ring.



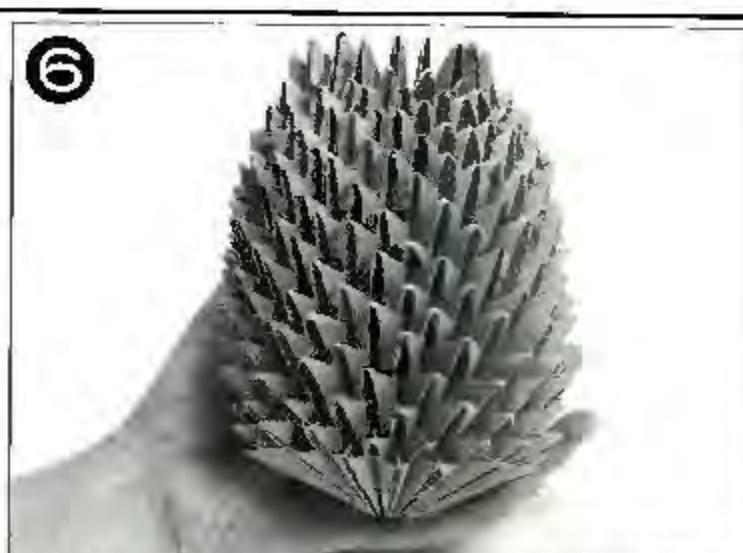
Turn over and hold in your hand.



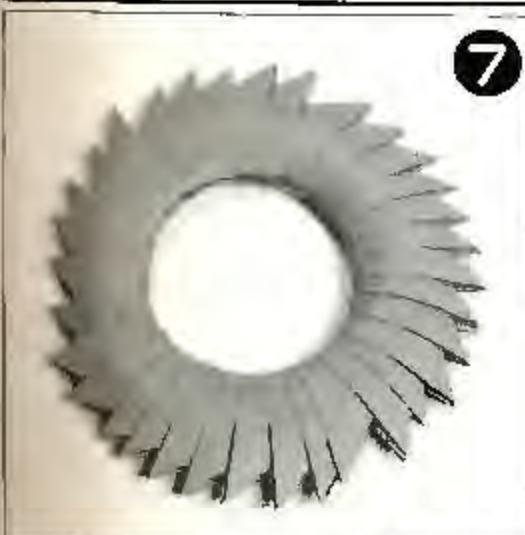
For Row 4 to Row 18, join the pieces at an angle to form a pineapple shape.



Row 18 is completed.



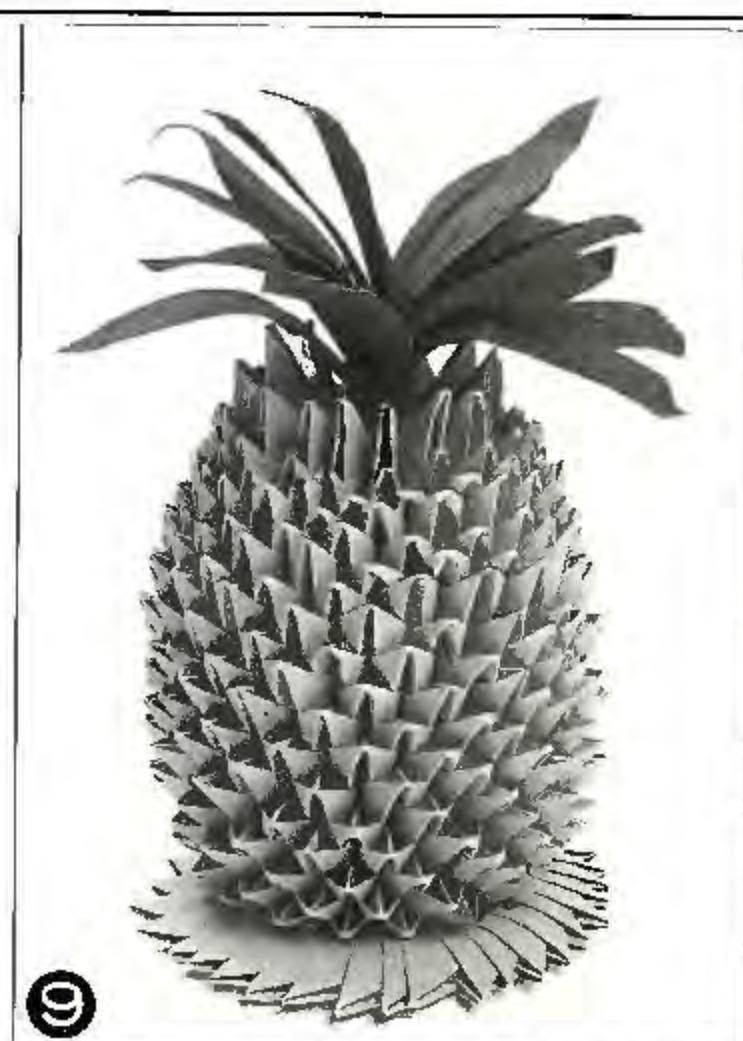
Turn upside down so the 1st row comes on top.



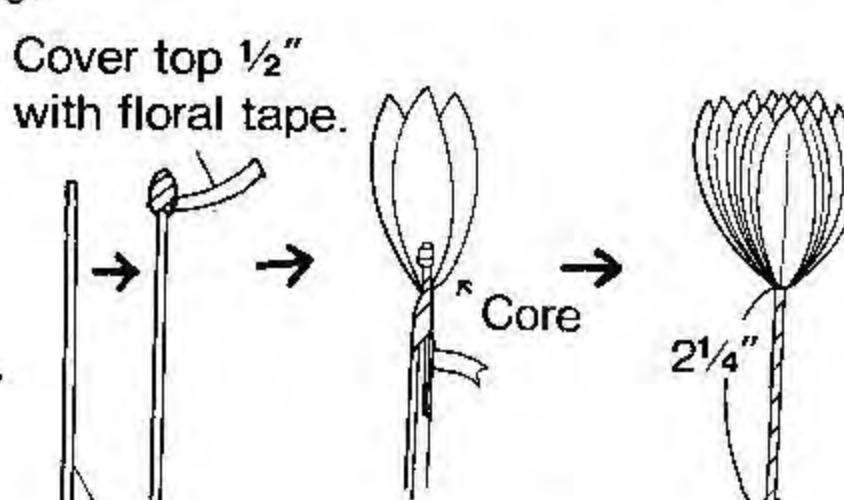
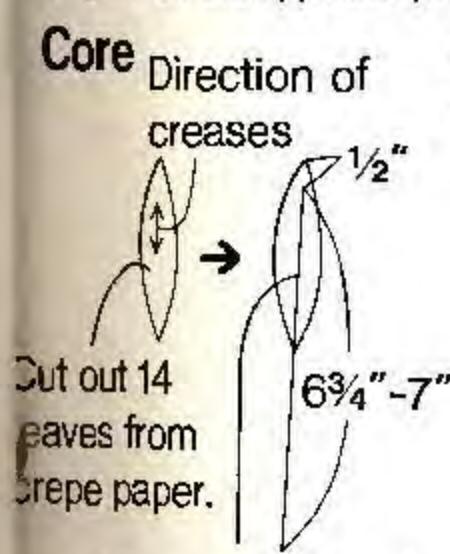
Make pedestal referring to the diagram on the opposite page.



Form leaves as illustrated below.



Insert stem into the top and place on the pedestal.



Glue wrapped wire onto back side.

Craft wire (2 3/4"-3")

Using floral tape, attach leaves around wire, 2-3 pcs. at a time.

Add 2-3 leaves binding with floral tape. Repeat until all leaves are attached. Bind down the tape and make a lump at the end. Insert into the top of the fruit.



#36 & #37 MINI PINEAPPLE (P.16)

Completed size
#36: 2" wide, $2\frac{3}{8}$ "
#37: $2\frac{1}{4}$ " wide, $2\frac{3}{8}$ "

Materials

- #36: 118 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (yellow)
- 26 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (green)
- 12 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (brown)
- #37: 123 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (yellow, 4 colors)
- 28 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (green)
- 21 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (brown)
- 10 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (pale green)

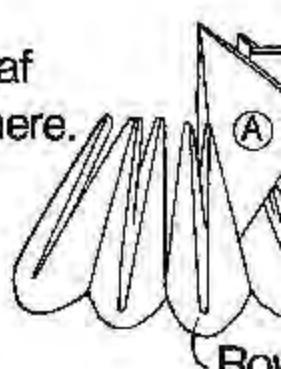
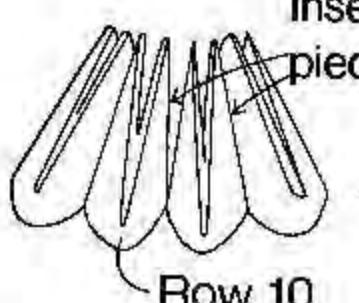
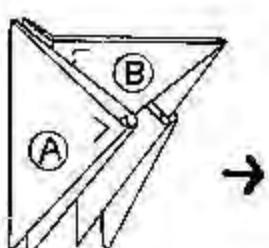
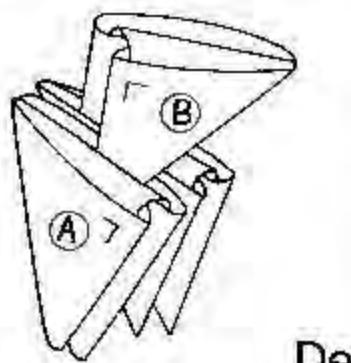
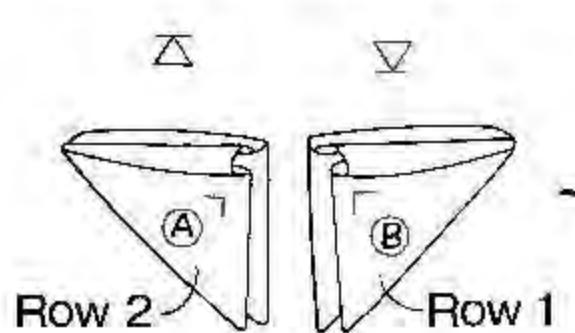
- Yellow
- Brown
- Pale green

Diagram illustrating the arrangement of 11 rows of leaf shapes (triangles and inverted triangles) used to form a ring. The rows are labeled from Row 1 to Row 11. Row 1 contains 14 upward-pointing triangles. Rows 2 through 11 each contain 14 downward-pointing triangles. A vertical line on the right side of the diagram is labeled "14 pcs. in each row." A bracket at the bottom of the diagram is labeled "Join ends to form a ring of 14 pcs."

The diagram illustrates the pattern and assembly of 13 leaf-shaped pieces. The pattern consists of two rows of 13 pieces each. Row 1 (bottom) contains 13 upward-pointing triangles. Row 2 (top) contains 13 downward-pointing triangles. The pattern repeats every 13 rows. A bracket on the right side groups the first two rows and is labeled "Leaves (2 rows)". An arrow at the bottom points to the text "Join ends to form a ring of 13 pcs.".

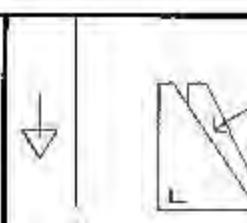
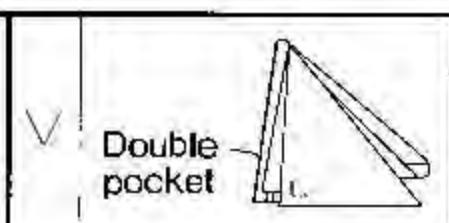
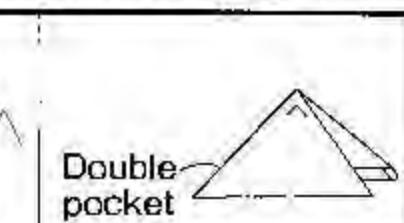
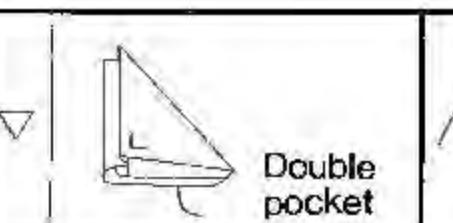
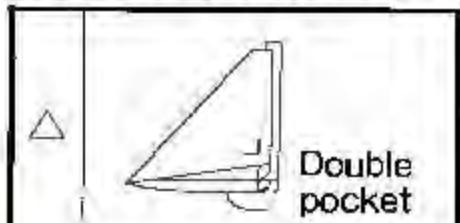
Signs of direction

Leaf assembly



**Detail of Step 9,
opposite page.**

Signs for piece direction



#37 MINI PINEAPPLE (P.16)



Hold a pair of pieces, double pockets down and the right angles away from you. Join them with a piece, right angle facing you.



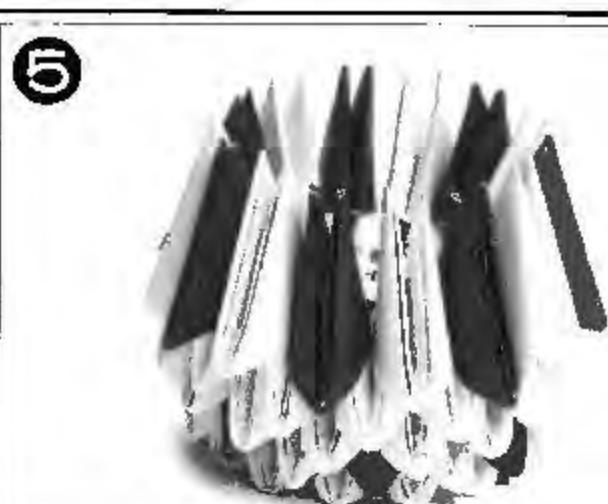
Make another set, and join them with 1 piece.



Repeat and join into a ring. The center of bottom can look somewhat twisted.



Row 3: Insert yellow and brown pieces alternately, all around.



Rows 4-5: Join yellow pcs. all around.
Row 6: Work the same as Row 3.



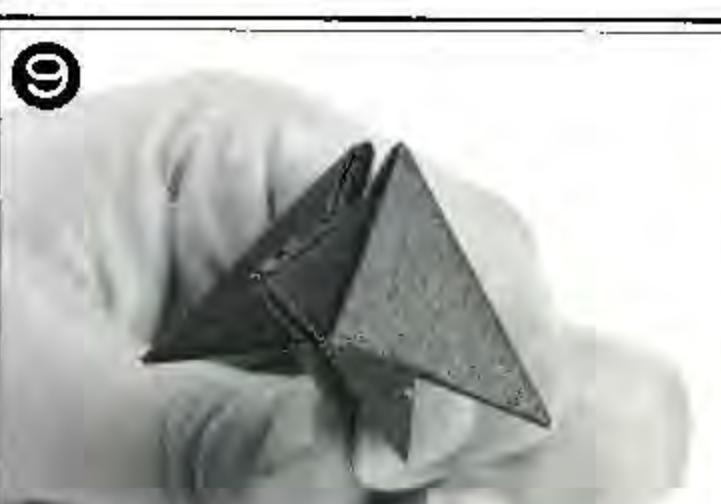
Row 7: Join yellow pcs. all around.
Row 8: Join yellow pcs., plus one pale green.



Row 9: Work the same as Row 2.



Rows 10-11: Work as directed in the diagram shown on the opposite page.



Make top: Interlock 3 green pcs. as shown on the opposite page. Make 7 sets.



Insert each set of leaves into the fruit as shown on the opposite page.



Join 2 adjacent sets by inserting a new piece all around.



Check the shape of leaves and glue to secure.

#38 WATERMELON (P.17)

Completed size:
4" wide, 4 $\frac{3}{4}$ " tall

Materials

- 114 1 $\frac{1}{2}$ " x 3" rectangles of origami paper (red)
- 66 1 $\frac{1}{2}$ " x 3" rectangles of origami paper (green)
- 17 1 $\frac{1}{2}$ " x 3" rectangles of origami paper (white)
- 16 1 $\frac{1}{2}$ " x 3" rectangles of origami paper (black)

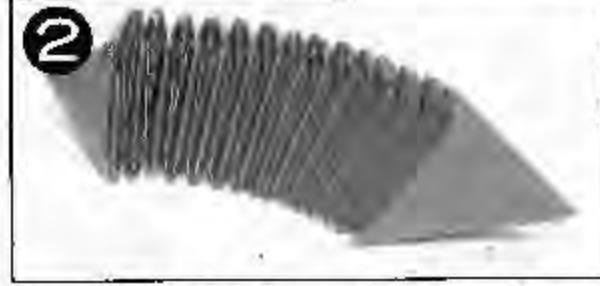
Note The completed project may look different depending on the thickness of the paper.

1



Hold 1 pc. so double pocket faces right. Apply some glue onto points of another piece and insert into the pockets.

2



Repeat until Row 1 and 2 are constructed.

3



Row 3: Join 15 pcs., tucking in side flaps of the bottom row.

4



Join Rows 2 and 3 as directed.
(Turn upside down)

5



Work Row 5 by changing colors as directed in the diagram, and add 1 green pc. to each side.

▼ Red

▼ Row 21 (1 pc.)

▼ Black

▼ ▽ Row 20 (2 pcs.)

▼ White

▼ ▽ ▽ Row 19 (3 pcs.)

▼ Green

▼ ▽ ▽ ▽ Row 18 (4 pcs.)

▼ ▽ ▽ ▽ ▽ Row 17 (5 pcs.)

▼ ▽ ▽ ▽ ▽ ▽ Row 16 (6 pcs.)

▼ ▽ ▽ ▽ ▽ ▽ Row 15 (7 pcs.)

▼ ▽ ▽ ▽ ▽ ▽ Row 14 (8 pcs.)

▼ ▽ ▽ ▽ ▽ ▽ ▽ Row 13 (9 pcs.)

▼ ▽ ▽ ▽ ▽ ▽ ▽ Row 12 (10 pcs.)

▼ ▽ ▽ ▽ ▽ ▽ Row 11 (11 pcs.)

▼ ▽ ▽ ▽ ▽ Row 10 (12 pcs.)

▼ ▽ ▽ ▽ Row 9 (13 pcs.)

▼ ▽ ▽ Row 8 (14 pcs.)

▼ ▽ ▽ Row 7 (15 pcs.)

▼ ▽ ▽ Row 6 (16 pcs.)

Green — ▼ ▽ ▽ ▽ Row 5 (15 + 2 pcs.)

▼ ▽ ▽ Row 4 (16 pcs.)

▼ ▽ ▽ Row 3 (15 pcs.)

▼ ▽ ▽ Row 2 (14 pcs.)

△ △ △ Row 1 (15 pcs.)

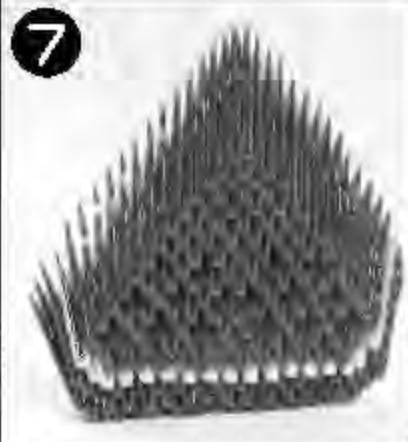
Join ends to form
a ring of 15 pcs.

6



Row 6: Work as directed.
Row 7: Work with white and red.
Row 8: Work with red and black.

7



Rows 9-21: Work as directed in the diagram. Glue green pieces to each other to finish.

#40 STRAWBERRY (P.17)

Completed size
1 $\frac{3}{4}$ " wide, 2" long

- ▽ Red Row 10 (1 pc.)
- ▼ Green Row 9 (2 pcs.)
- Bead attaching position Row 8 (3 pcs.)
- ● Row 7 (4 pcs.)
- ▽ ▽ ▽ ▽ Row 6 (5 pcs.)
- ● Row 5 (6 pcs.)
- ▽ ▽ ▽ ▽ Row 4 (5 pcs.)
- Row 3 (4 pcs.)
- Green Row 2 Green
- ▼ Row 1

Materials (for 3 strawberries)

90 1 $\frac{1}{2}$ " x 3" rectangles of origami paper (red)
18 1 $\frac{1}{2}$ " x 3" rectangles of origami paper (green)
18 black beads

Note

The completed project may look different depending on the thickness of the paper used.



Holding 2 green pcs., double folds down, and insert one into the other.

Insert points of green into double pockets of 2 red pcs. Place 1 pc. on each side.



Join them with 5 pcs. to complete Row 5.

Join 6 pcs. to complete Row 6.

Row 7: Join 5 pcs.
Row 7: Join 4 pcs.

Row 8: Join 3 pcs.

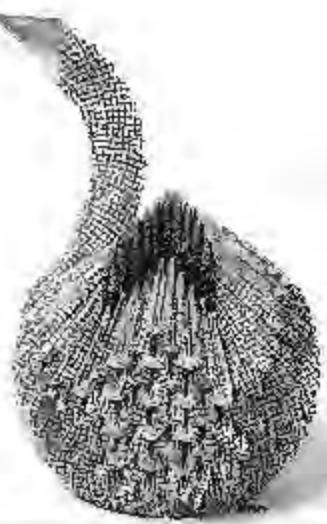


Row 9: Join 2 pcs. Row 10: Join 1 pc.

Make top: Insert a point of green piece into Row 3. Add 3 more green pcs.

Glue on black beads to finish.

#41–#43 ELEGANT CRANE (P.18)



Materials

- #41: 388 1" x 2" rectangles of origami paper (gold washi)
 4 1" x 2" rectangles of origami paper (silver washi)
 #42: 329 1½" x 3" rectangles of origami paper (gradated red washi)
 62 1½" x 3" rectangles of origami paper (gold washi)
 1 1½" x 3" rectangle of origami paper (silver washi)

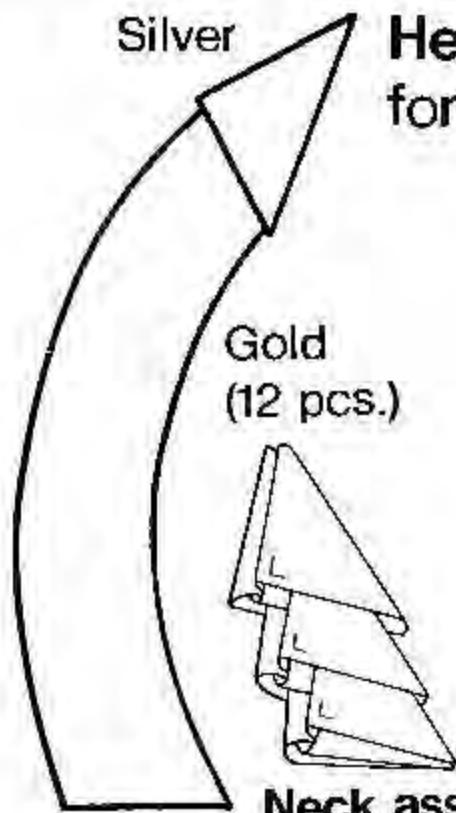
Silver

Head/Neck for #41

▼ Red for #42

▼ Gold for #42

Use gold for the Body of #41.



(Actual size)

#41 & #42

Head attaching position

Chest ▼

Wing

Tail

Use 3
silver pcs.
for #41.

Wing



Row 19 (1 p



Row 18 (2 p



Row 17 (4 p



Row 16 (7 p



Row 15 (11 p



Row 14 (15 p



Row 13 (19 p



Row 12 (23 p



Row 11



Row 10



Row 9



Row 8



Row 7

27 p
in ea
row



Row 6



Row 5



Row 4



Row 3



Row 2



Row 1

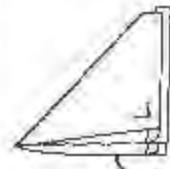
Join ends to form a ring of 27 pcs.

In Row 11, divide pieces into four groups:

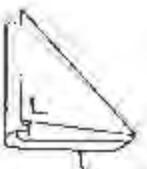
6 pcs. for Chest, 5 for Left wing, 7 for Tail, and 9 for Right wing.

→ See P.50 for step-by-step instructions

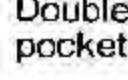
Signs for piece direction



Double
pocket

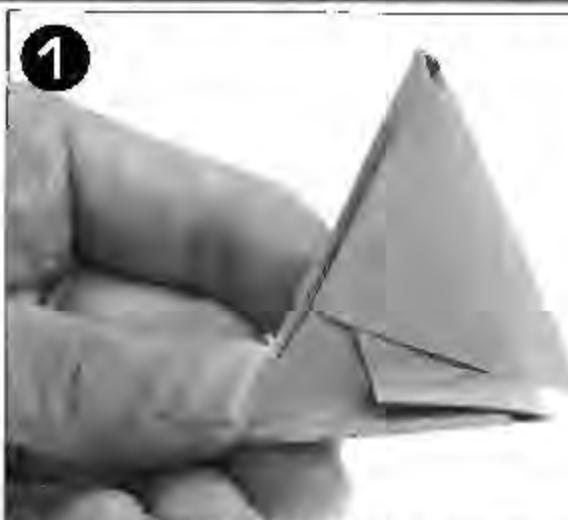


Double
pocket



Insert
here.

#41-#43 ELEGANT CRANE (P.18)



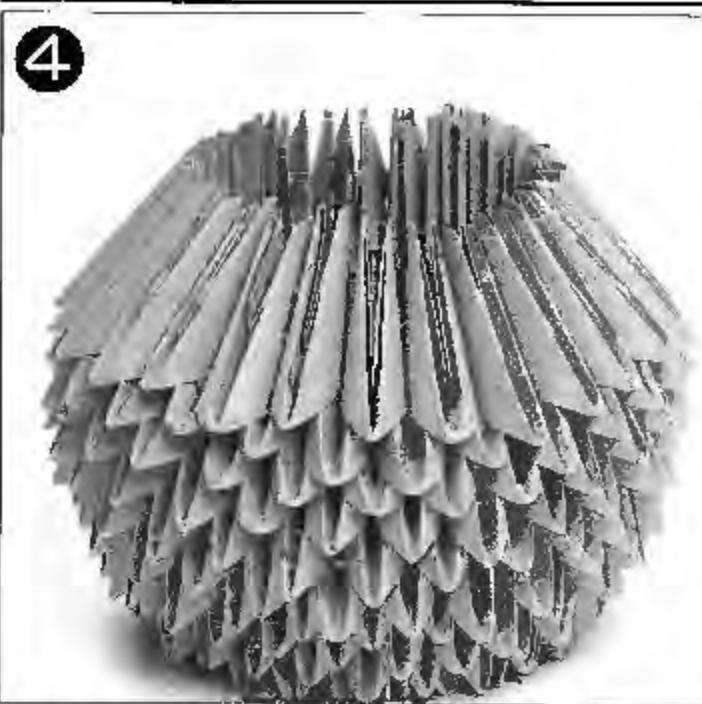
Holding pieces double pockets down, interlock vertically, alternating the direction of the right angle, until 27 pcs. are joined.



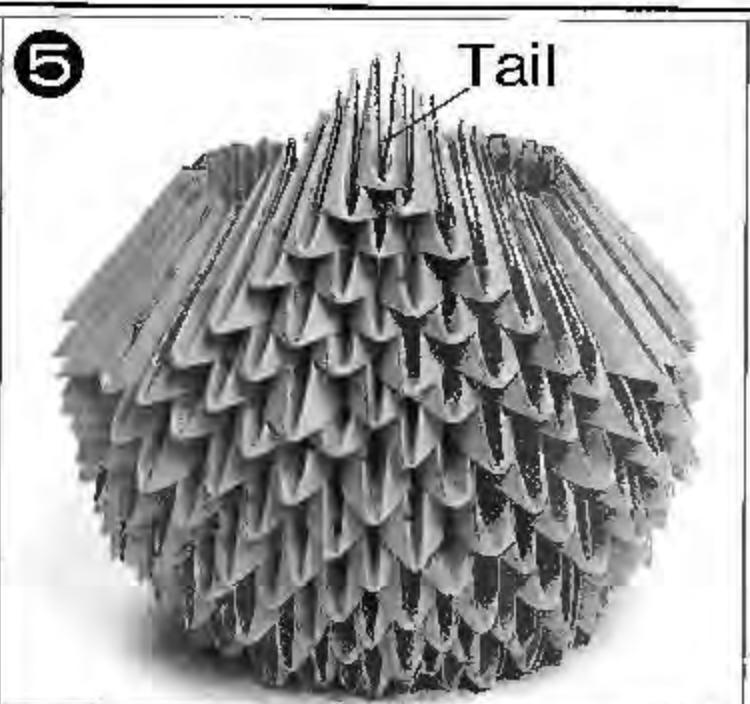
Row 3: Cover adjoining points of Row 2 with 1 pc.



Continue all around to make a circle 27 pcs. (See diagram on the previous page for color layout.)



Work as directed in the diagram until 11 rows are done.



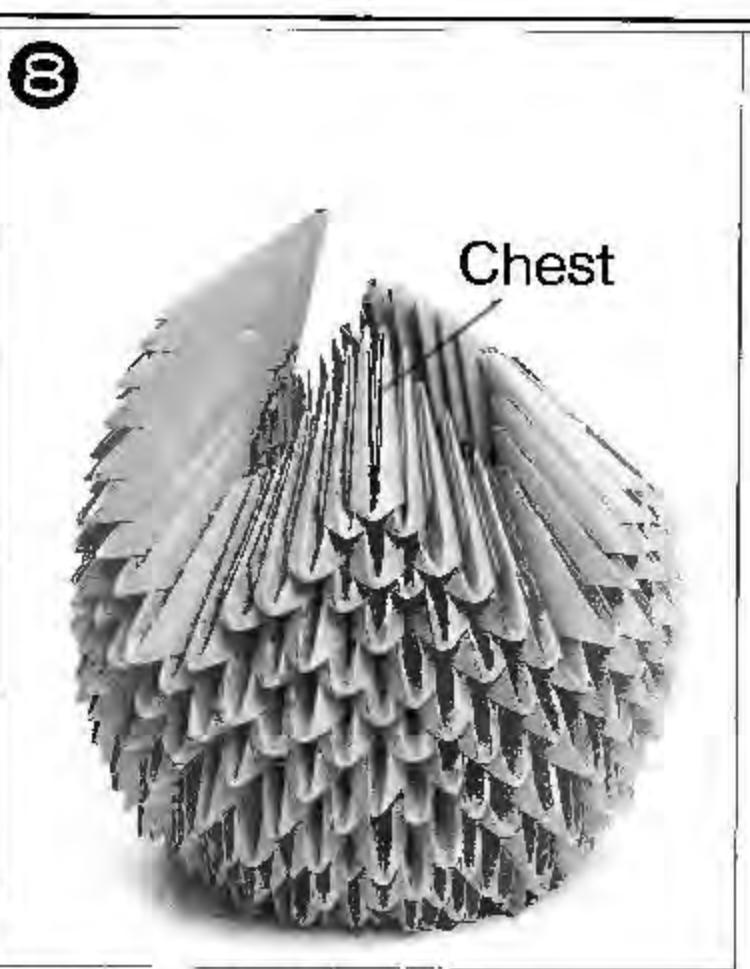
Divide pieces into chest(6), left wing(5), tail(7) and right wing(9). Work on tail part as directed.



Then work on the left wing.



Work on the right wing.



Work on the chest.



Make neck referring to the figure on the previous page, and insert into top of chest.

#9–#15 TORTOISE (P.8-9)

#9

Insert 1 pc. in the middle.



Row 8 (2+1 pcs.)



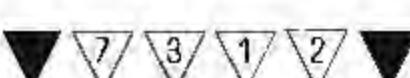
Row 7 (3 pcs.)



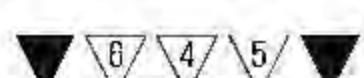
(Insert after Body is completed) Row 6 (4+2 pcs.)



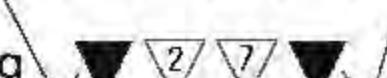
Row 5 (5 pcs.)



Row 4 (6 pcs.)



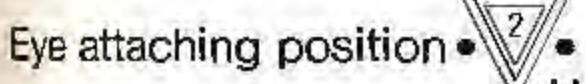
Row 3 (5 pcs.)



Fore leg Row 2 (4+2 pcs.)



Row 1 (3 pcs.)



Eye attaching position Head (Insert after Body is completed)

Eyes: Cardboard (black, cut into $\frac{1}{8}$ " diam. circles)

#10

Insert 1 pc. in the middle.



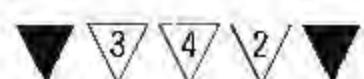
Row 8 (2+1 pcs.)



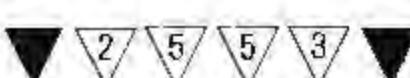
Hind leg Row 7 (3 pcs.)



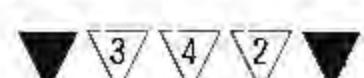
(Insert after Body is completed) Row 6 (4+2 pcs.)



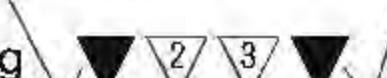
Row 5 (5 pcs.)



Row 4 (6 pcs.)



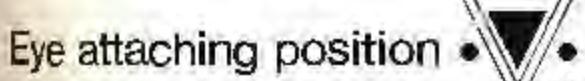
Row 3 (5 pcs.)



Fore leg Row 2 (4+2 pcs.)



Row 1 (3 pcs.)



Eye attaching position Head (Insert after Body is completed)



#9

Completed size

$2\frac{3}{4}$ " wide, $2\frac{3}{8}$ " long

Materials

24 $1\frac{1}{2}$ " \times 3" rectangles of origami paper (silver)
4 $1\frac{1}{2}$ " \times 3" rectangles of origami paper (brown)
2 $1\frac{1}{2}$ " \times 3" rectangles of origami paper
(green, blue, black, purple, orange, gold)
2 $\frac{1}{8}$ " diam. eyes (black cardboard)

#10

Completed size

$2\frac{3}{4}$ " wide, $2\frac{3}{8}$ " long

Materials

25 $1\frac{3}{4}$ " \times $3\frac{1}{2}$ " rectangles of paper (green)
5 $1\frac{3}{4}$ " \times $3\frac{1}{2}$ " rectangles of paper (orange)
5 $1\frac{3}{4}$ " \times $3\frac{1}{2}$ " rectangles of paper (red)
2 $1\frac{3}{4}$ " \times $3\frac{1}{2}$ " rectangles of paper (blue)
2 $1\frac{3}{4}$ " \times $3\frac{1}{2}$ " rectangles of paper (purple)
1 $1\frac{3}{4}$ " \times $3\frac{1}{2}$ " rectangle of paper (gold)
2 $\frac{1}{8}$ " diam. eyes (black cardboard)
*Patterned washi paper is used here.

#11–#15

Completed size

$2\frac{3}{8}$ " wide, $2\frac{3}{8}$ " long

Materials

40 $1\frac{1}{2}$ " \times 3" rectangles of origami paper
(blue for #11, red for #12, orange for #13,
brown for #14, pale green for #15)
2 $\frac{1}{8}$ " diam. plastic eyes each
*Graduated origami paper is used here.

See P.8–9 for step-by-step instructions.

#52 & #53 RED CROWNED CRANE (P.21)

Completed size

#52: 6" wide, 19"

#53: 5" wide, 10"

Materials

- #52: 365 $3\frac{1}{4}'' \times 4\frac{1}{2}''$ rectangles of 1-ply board (white)
- 3 $3\frac{1}{4}'' \times 4\frac{1}{2}''$ rectangles of textured paper (black)
- 31 $2\frac{3}{4}'' \times 4\frac{1}{2}''$ rectangles of 1-ply board (white)
- 1 $2\frac{3}{4}'' \times 4\frac{1}{2}''$ rectangle of textured paper (black)
- 1 $2\frac{3}{4}'' \times 4\frac{1}{2}''$ rectangle of textured paper (red)
- 2 $\frac{1}{8}$ " diam. plastic eyes

- #53: 309 $2\frac{3}{8}'' \times 4\frac{1}{4}''$ rectangles of 1-ply board
- 56 $2\frac{3}{8}'' \times 4\frac{1}{4}''$ rectangles of 1-ply board
- 3 $2\frac{3}{8}'' \times 4\frac{1}{4}''$ rectangles of textured paper
- 31 $2'' \times 3\frac{1}{2}''$ rectangles of 1-ply board
- 1 $2'' \times 3\frac{1}{2}''$ rectangle of textured paper
- 1 $2'' \times 3\frac{1}{2}''$ rectangle of textured paper
- 2 $\frac{1}{8}$ " diam. plastic eyes



Head/Neck for #53
(Actual size)

Eye attaching position

Red

Black

White (33 pcs.)

▼ Black

▽ Blue

△ White

For #53, use white pieces for W

Wing

Tail

Chest

Wing

Row 18 (1 p)

Row 17 (2 p)

Row 16 (5 p)

Row 15 (8 p)

Row 14 (12 p)

Row 13 (16 p)

Row 12 (20 p)

Row 11 (24 p)

Row 10

Row 9

Row 8

Row 7

Row 6 28 p

in ea
row

Row 5

Row 4

Row 3

Row 2

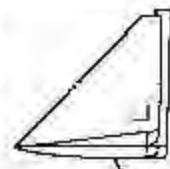
Row 1

Join ends to form a ring of 28 pcs.

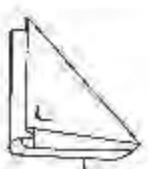
In Row 10, divide pieces into four groups:

5 pcs. for Chest, 7 for Left wing, 9 for Tail, and 7 for Right wing.

Signs for piece direction



Double
pocket



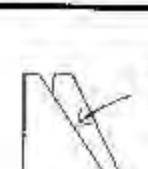
Double
pocket



Double
pocket



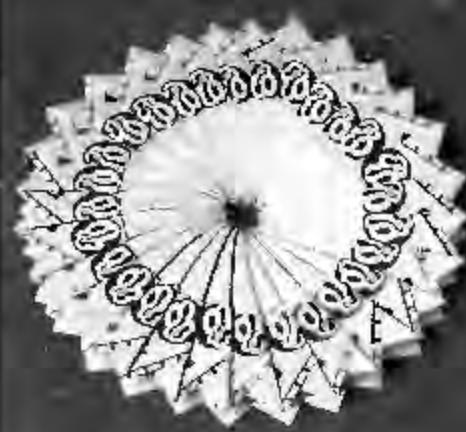
Double
pocket



Insert
here

#54 PEDESTAL (P.21)

Completed size
7" diameter



Materials

For #52: 32 $3\frac{1}{2}'' \times 5''$ rectangles of 1-ply board

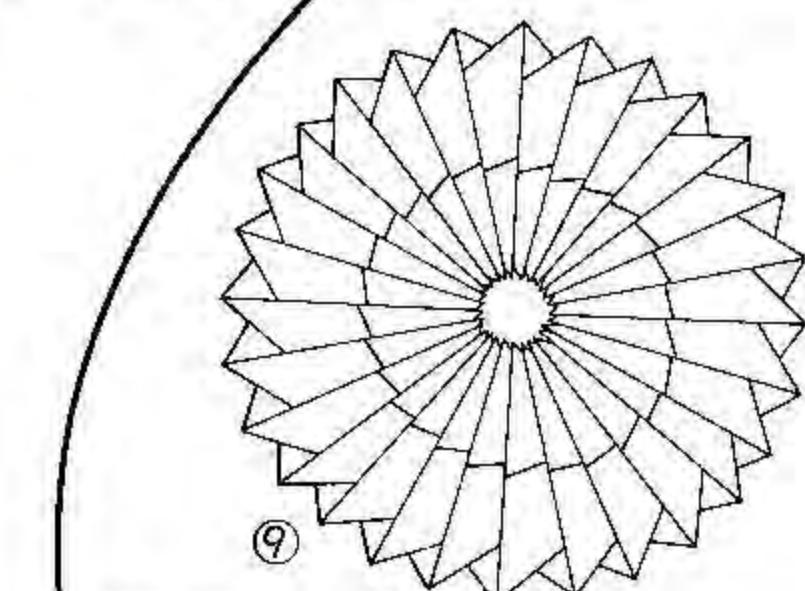
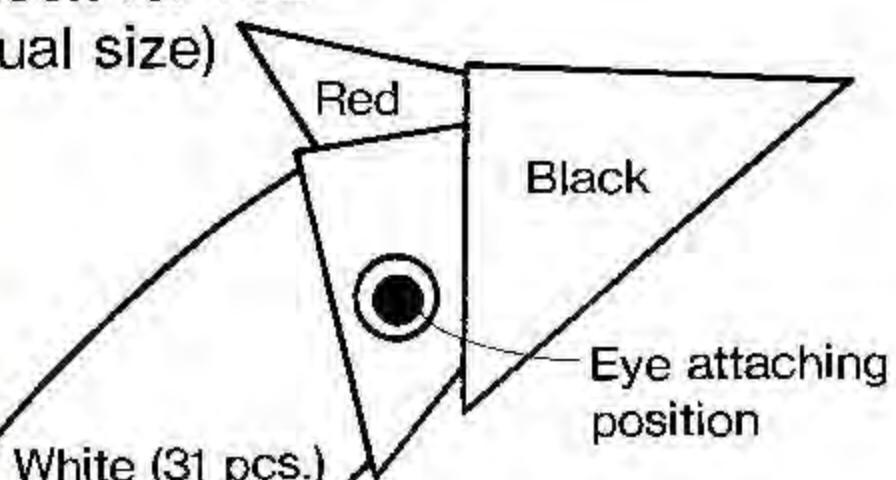
For #53: 28 $3\frac{1}{2}'' \times 5''$ rectangles of 1-ply board

Note

The completed project may look different depending on the thickness of the paper used.

Head/Neck for #52

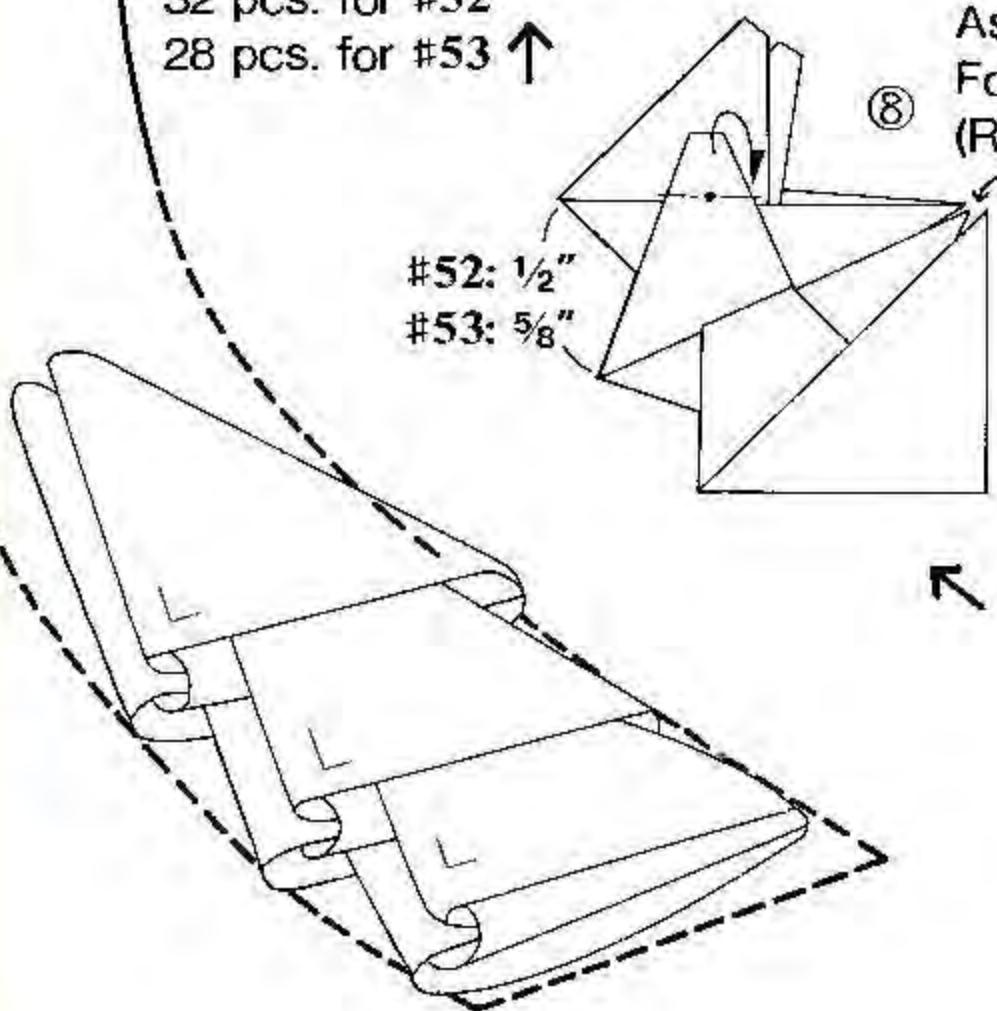
(Actual size)



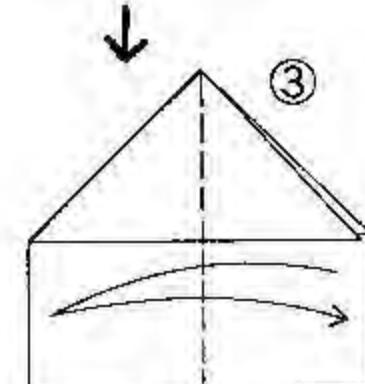
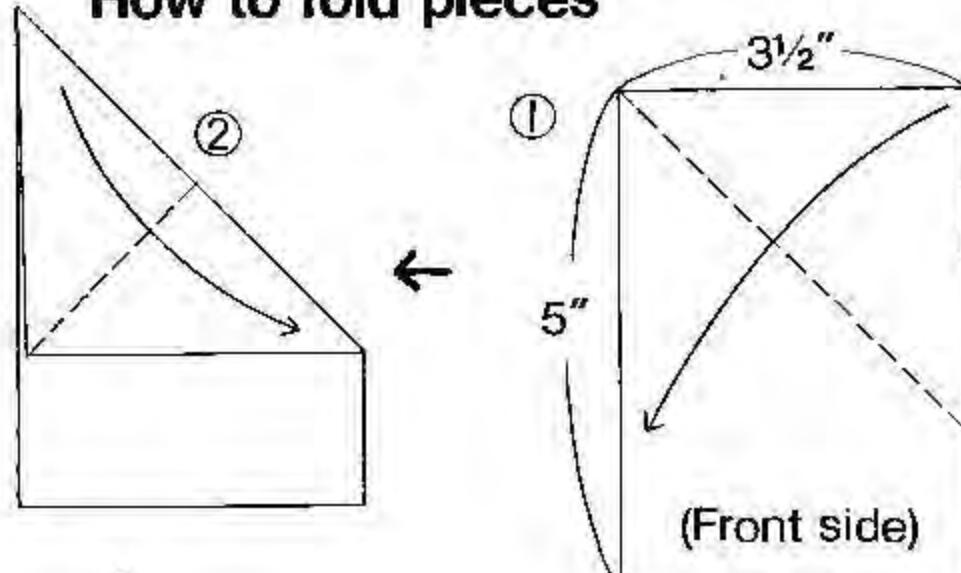
32 pcs. for #52

28 pcs. for #53 ↑

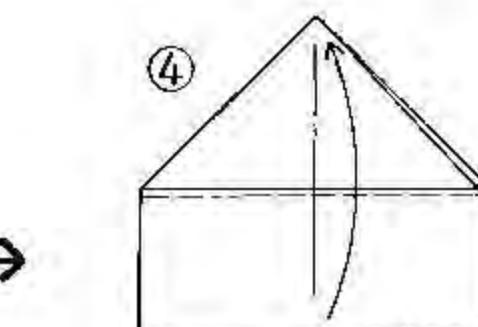
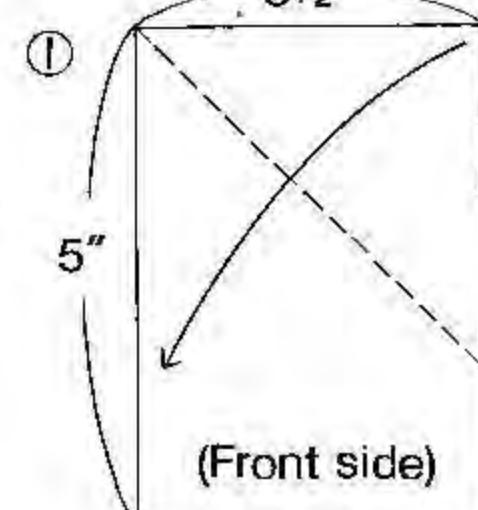
#52: $\frac{1}{2}''$
#53: $\frac{5}{8}''$



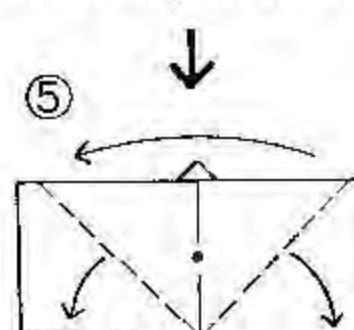
How to fold pieces



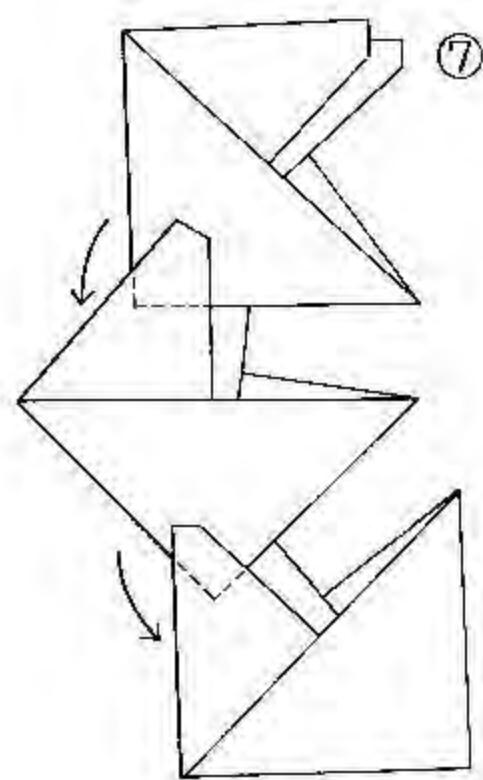
Make a crease.



Fold up in half.



Fold in half pulling center and folding the rest diagonally.



Align the center with the bottom.

Assemble points.
Fold the edges under
(Repeat on the back side).





#44 & #45 BABY SWAN (P.19)

Comple
4 $\frac{1}{4}$ " wi

Materials

- #44: 285 $1\frac{1}{2}'' \times 3''$ rectangles of craft paper (black)
52 $1\frac{1}{2}'' \times 3''$ rectangles of craft paper (white)
1 $1\frac{1}{2}'' \times 3''$ rectangle of craft paper (red)
#45: 286 $1\frac{1}{2}'' \times 3''$ rectangles of craft paper (red)
52 $1\frac{1}{2}'' \times 3''$ rectangles of craft paper (white)

16" 1/4" ribbon

1 1/2" diam. sequins

1 pearl-headed marking pin

* Materials except rectangular paper
each item.

Note

The completed project may look different depending on the thickness of the paper.

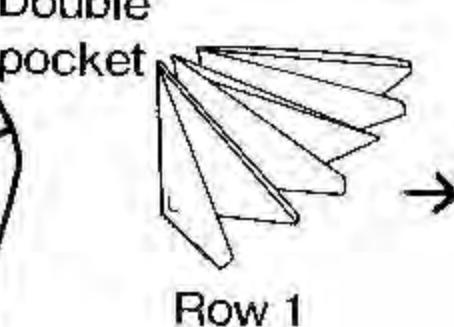
26 pcs. △
for Neck △

Head/Neck (Actual size)

Black for #44/Red for #45

▲ White

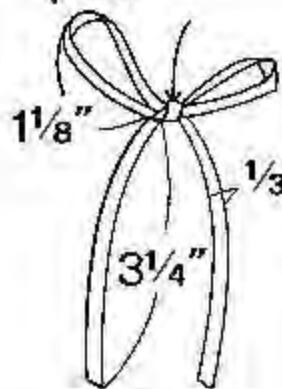
△ Bed



Row 1

Apply glu
Row 2 an
forming a

Tie ribbon around
Neck into a bow,
and secure the
knot with marking
pin.



Turn over
here.

Body

Pedestal

Figure 1. A sequence of 200 triangles, each with a horizontal arrow pointing right.

- Using 30 pcs., make 2 rings of $1\frac{3}{4}$ " inner diameter. Glue each other

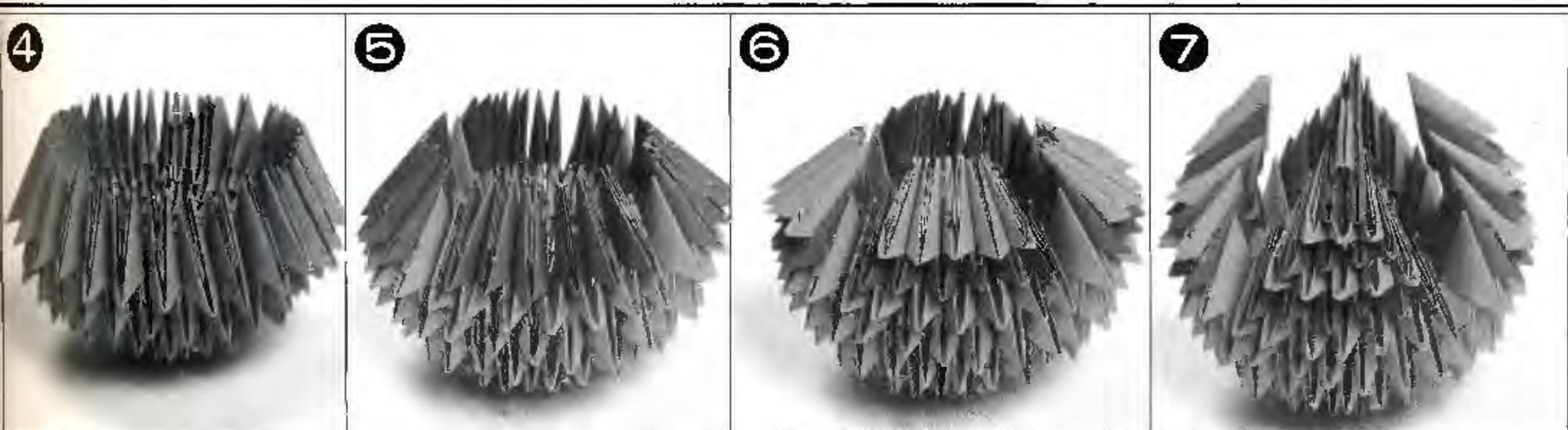
54



Row 1: Put a pair, double pockets down. Apply glue onto center 2 points and insert them into a piece held in the same direction. Make 14 of this 3-pc set. Row 2: Join 2 sets with 1 piece held in the same direction. Continue to join all sets.

Turn over and join into a ring with a piece.

Turn over and work Row 3 as directed in the diagram on opposite page, interlocking at an angle so as to form a ball shape.

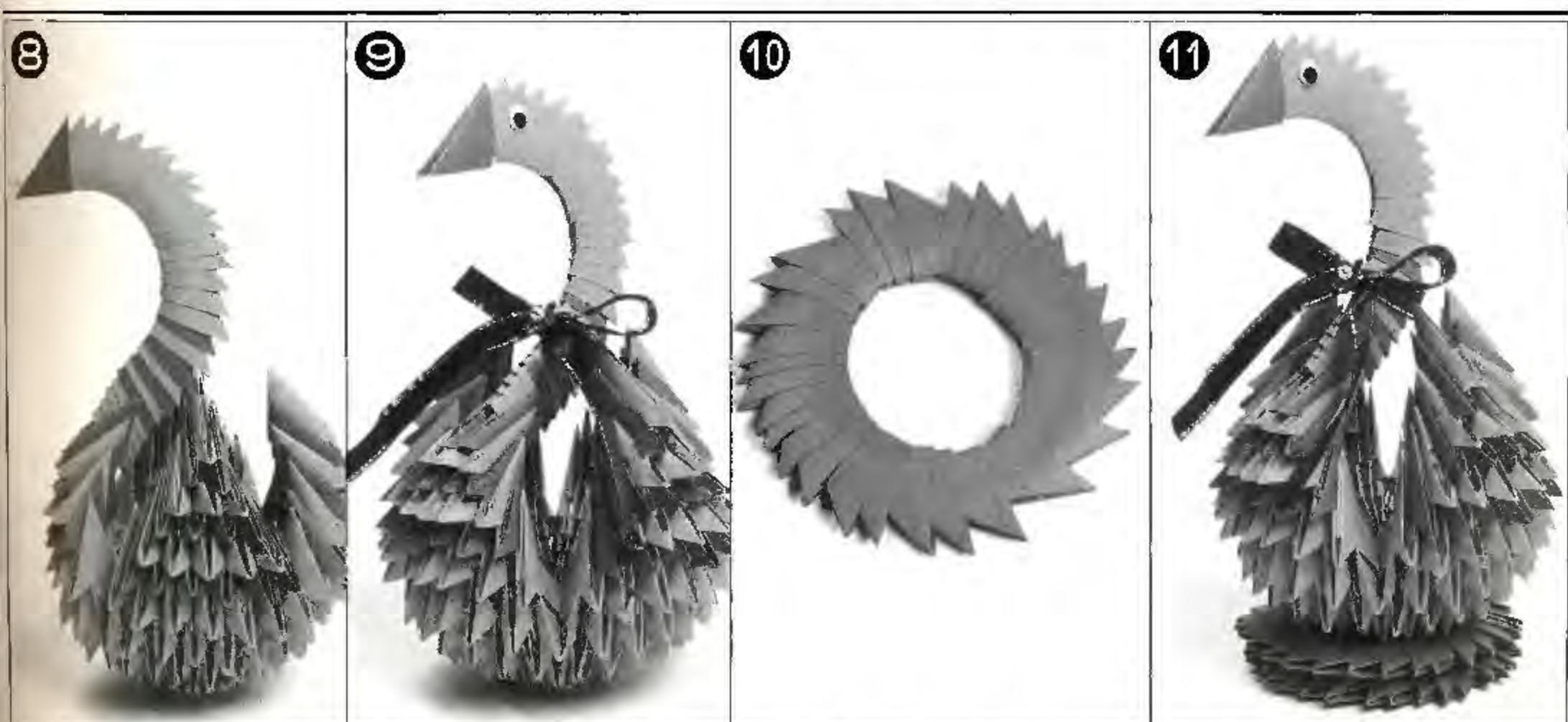


Work Rows 4-6 in the same manner. All pieces are glued together.

Divide into quarters, and join 6 pcs. to each, in a contrasting color.

Rows 8-12: Decrease the number of pieces as directed, changing color as well.

Onto 1 point, add 1 piece in opposite direction to make base of neck.



Form neck interlocking 25 pcs. as directed.

Tie ribbon around neck and make a bow. Attach a sequin by pushing marking pin into the knot.

Make a pair of pedestals and glue them together.

Place SWAN on the pedestal and glue to secure.



#46-#48 SWAN (P.19)

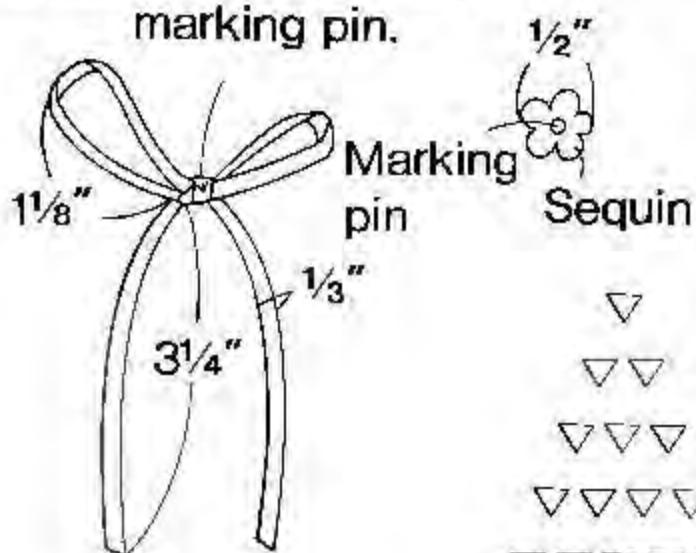
Complete
6" wide

Materials

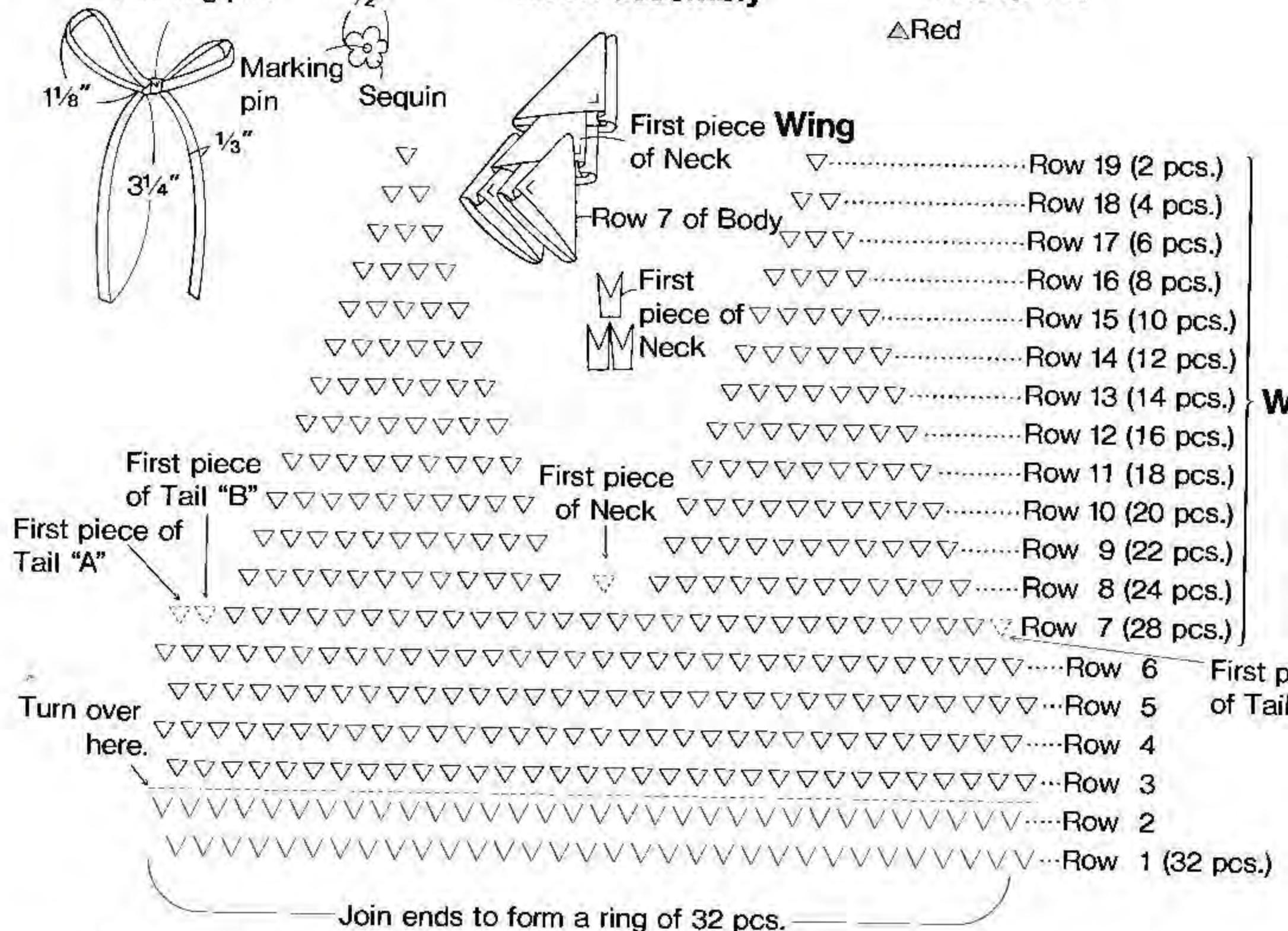
- 519 $1\frac{1}{2} \times 3$ " rectangles of craft paper
(patterned gold-red for #46, pink for #47, white for #48)
- 1 $1\frac{1}{2} \times 3$ " rectangle of craft paper (red)
- 16" $\frac{1}{4}$ " ribbon
- 1 $1\frac{1}{2}$ " diam. sequin
- 1 pearl-headed marking pin
- * Materials except rectangular paper count for each item.

Bow

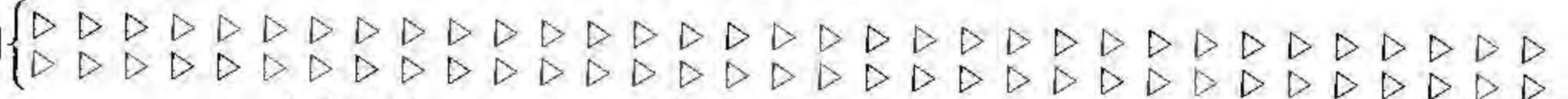
Tie ribbon around Neck into a bow,
and secure the knot with
marking pin.



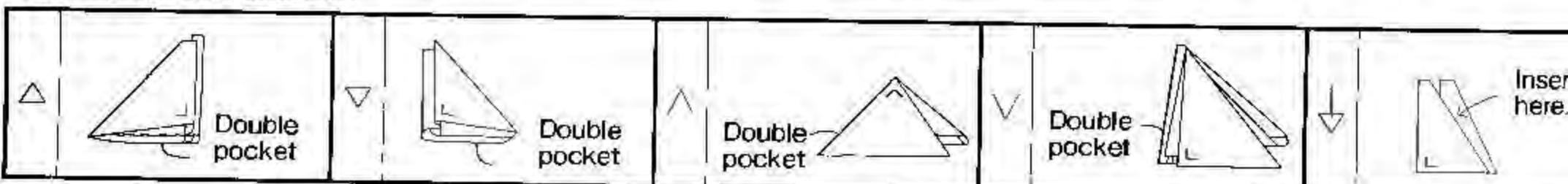
Neck assembly



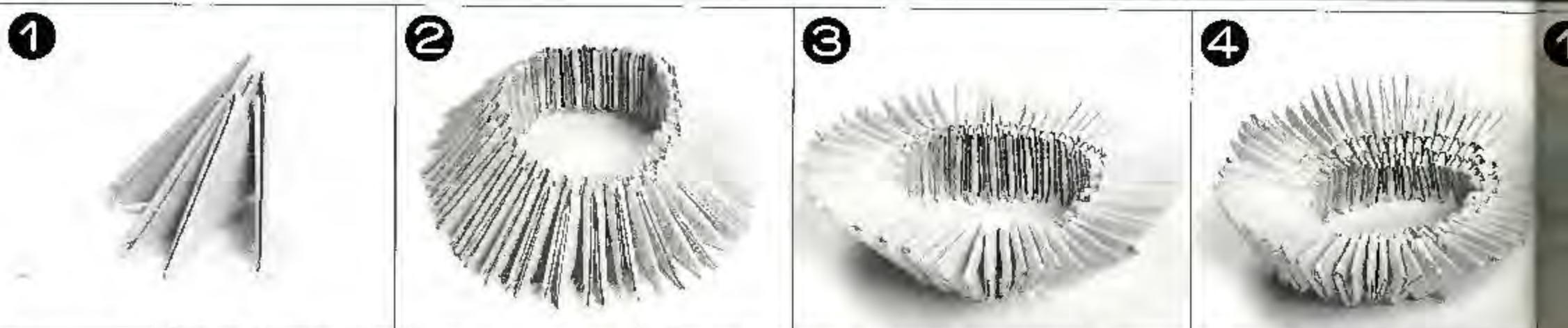
Pedestal



Signs for piece direction



#46-#48 SWAN (P.19)



Put 2 pcs. double folds down. Join them by inserting the adjoining points into 1 pc. held in the same direction.



Make 16 sets. Join them in the same manner as Step 1, and form into a ring with 32 pcs.



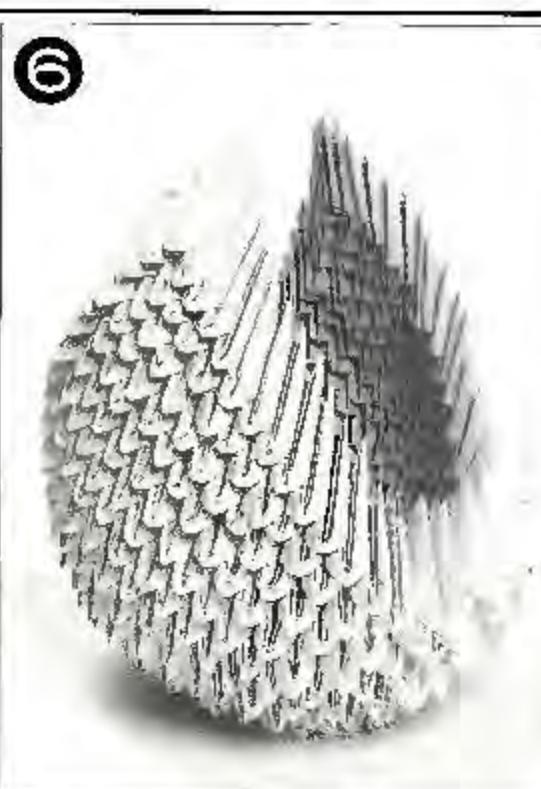
Turn over so Row 1 faces up.



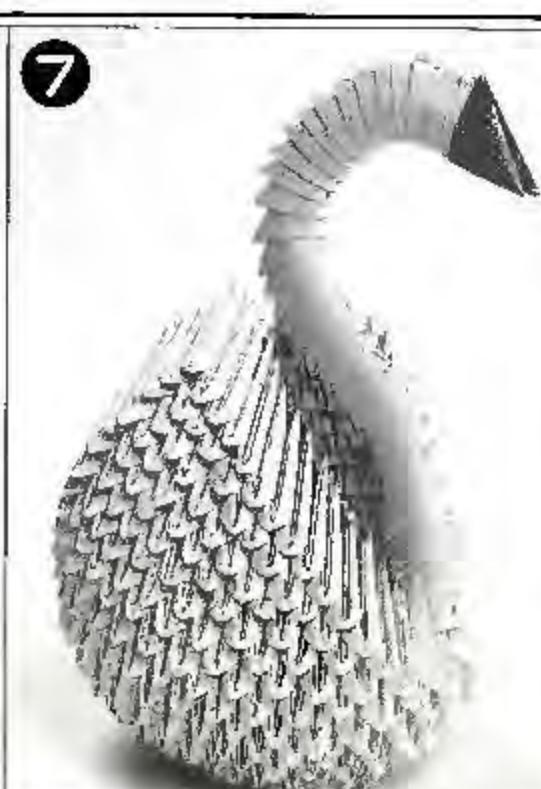
Work on Row 3 as directed in the diagram on previous page.



When Row 6 is done, divide pieces into three: Right wing (14), neck(1), left wing(14) and tail(3).



Form wings as directed in the diagram, forming a curvy outline.



Make neck and head as directed and interlock with body.



Make three tails as directed according to the actual size pattern.



Attach tails as shown.



Tie ribbon around neck. Attach a sequin by pushing a marking pin into the knot. Attach eyes.

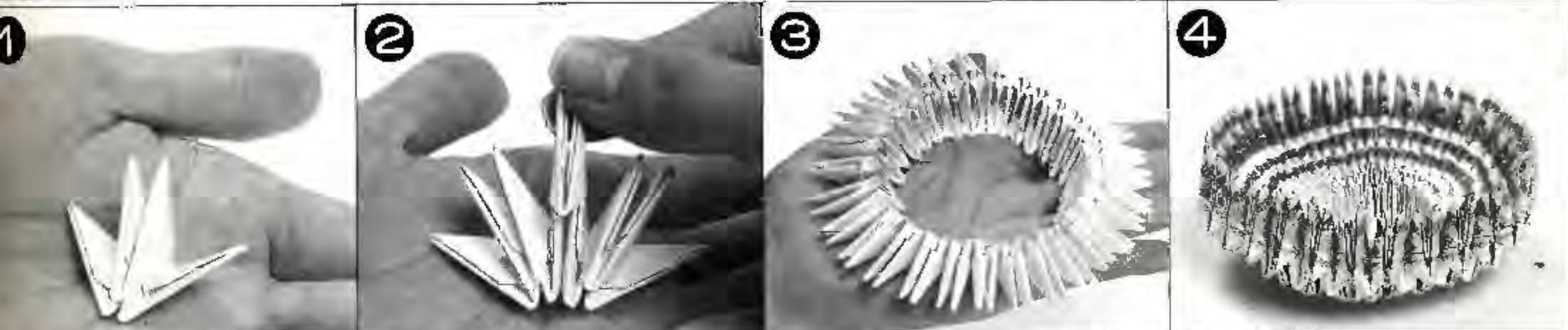


Make two pedestals and glue together.



Place SWAN on the pedestal and glue to secure.

49 & #50 PEACOCK (P.20)

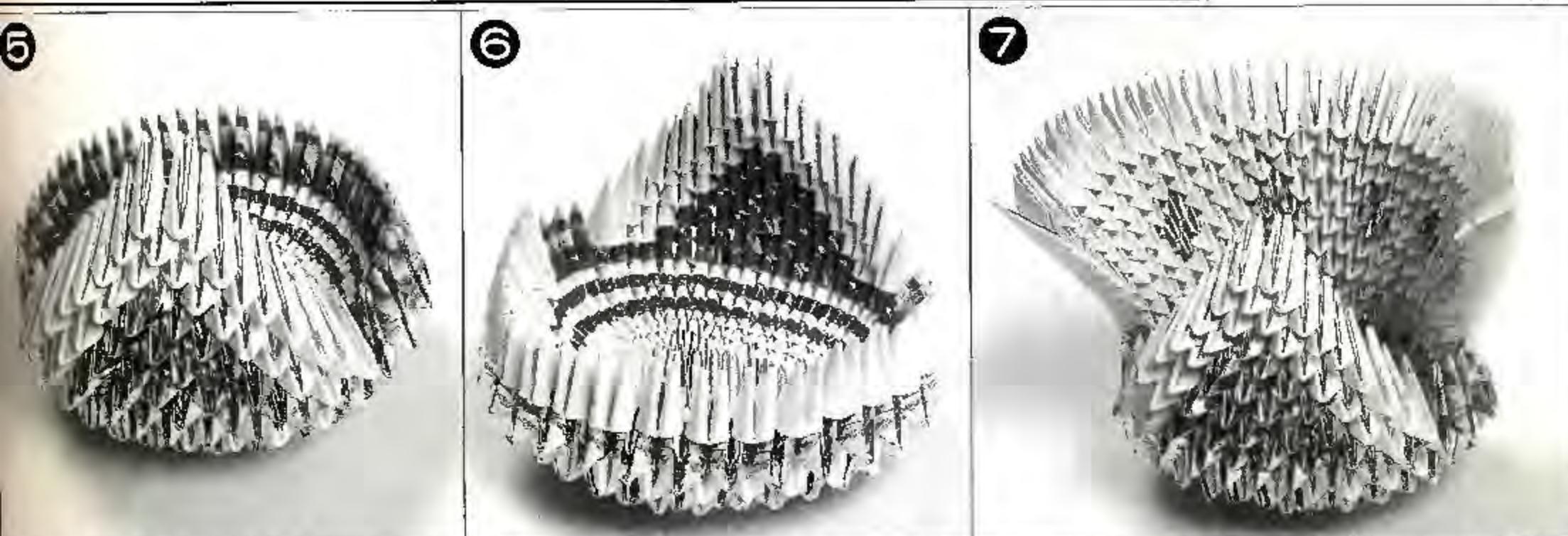


Place a pair of pieces double pockets down.

Join them with a piece held in the same direction. Make another 3-pc set and join with a piece as shown.

Make 15 sets in all and form a ring. Turn over.

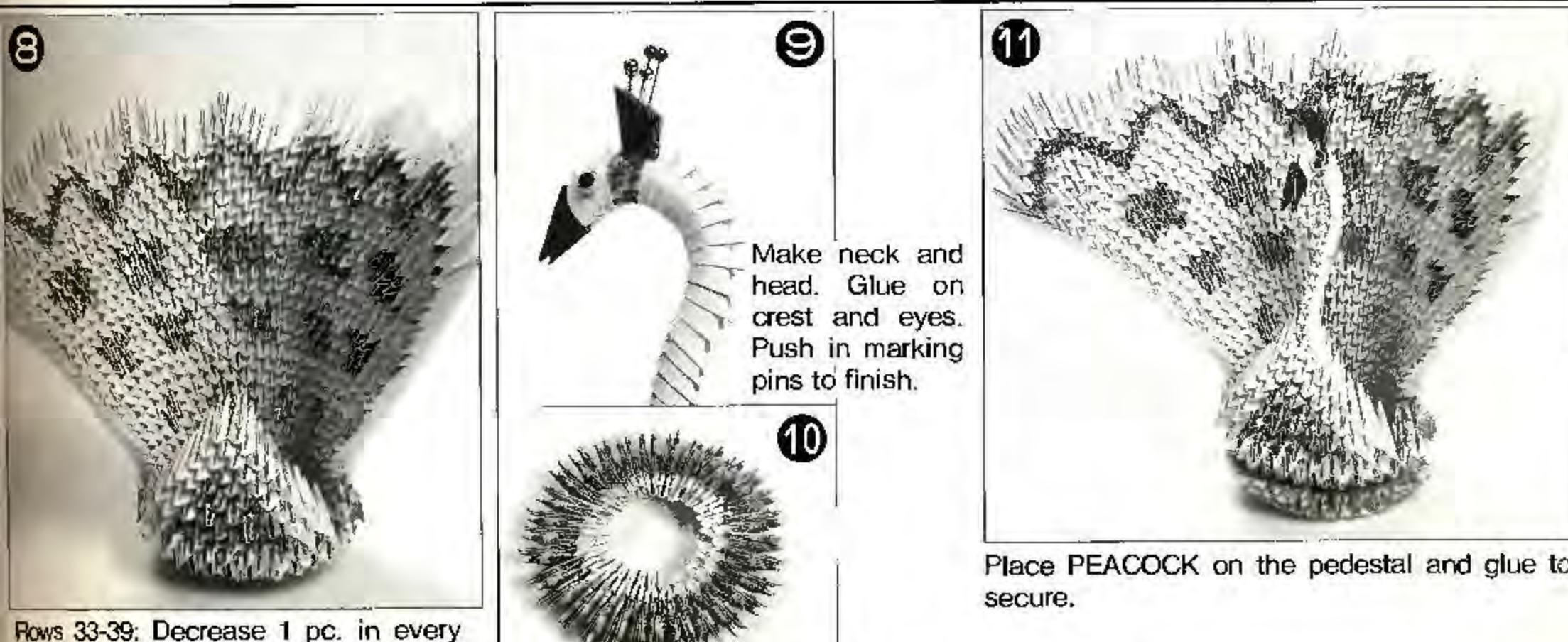
Applying glue, work Row 3 to Row 8 as directed in the diagram overleaf, changing colors as well.



Row 9: Make chest. Join 6 patterned pcs. and add 2 solid (white) pcs. onto each side. Work as directed.

Row 9: Make tail feathers. Join 16 pcs., leaving 2 pcs. of previous row unworked, on each side.

Rows 10-32: Construct fanned feathers by increasing 1 pc. on every row, altering colors as directed.



Rows 33-39: Decrease 1 pc. in every row as directed. Tail feather is completed.

Make neck and head. Glue on crest and eyes. Push in marking pins to finish.

Place PEACOCK on the pedestal and glue to secure.

Make pedestal in the same manner as Rows 1 to 3.

Completed
#49: 8" wide
#50: 10" wide

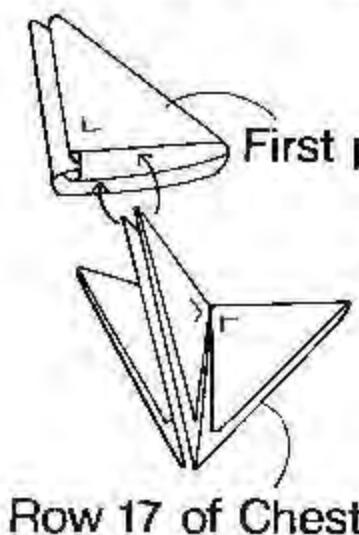
#49 & #50 PEACOCK (P.20)

Materials

- #49: 954 $\frac{3}{4}'' \times 1\frac{3}{4}''$ rectangles of craft paper (white)
- 313 $\frac{3}{4}'' \times 1\frac{3}{4}''$ rectangles of craft paper (patterned red)
- 3 $\frac{3}{4}'' \times 1\frac{3}{4}''$ rectangles of craft paper (red for beak and crest)
- 2 $1\frac{1}{8}''$ diam. plastic eyes
- 5 pearl-headed marking pins (assorted colors)
- #50: 954 $1\frac{1}{4}'' \times 2\frac{3}{8}''$ rectangles of craft paper (cream)
- 317 $1\frac{1}{4}'' \times 2\frac{3}{8}''$ rectangles of craft paper (patterned red)
- 3 $1\frac{1}{4}'' \times 2\frac{3}{8}''$ rectangles of craft paper (red for beak and crest)

2 $1\frac{1}{4}''$ diam. plastic eyes
6 pearl-headed marking pins (assorted colors)

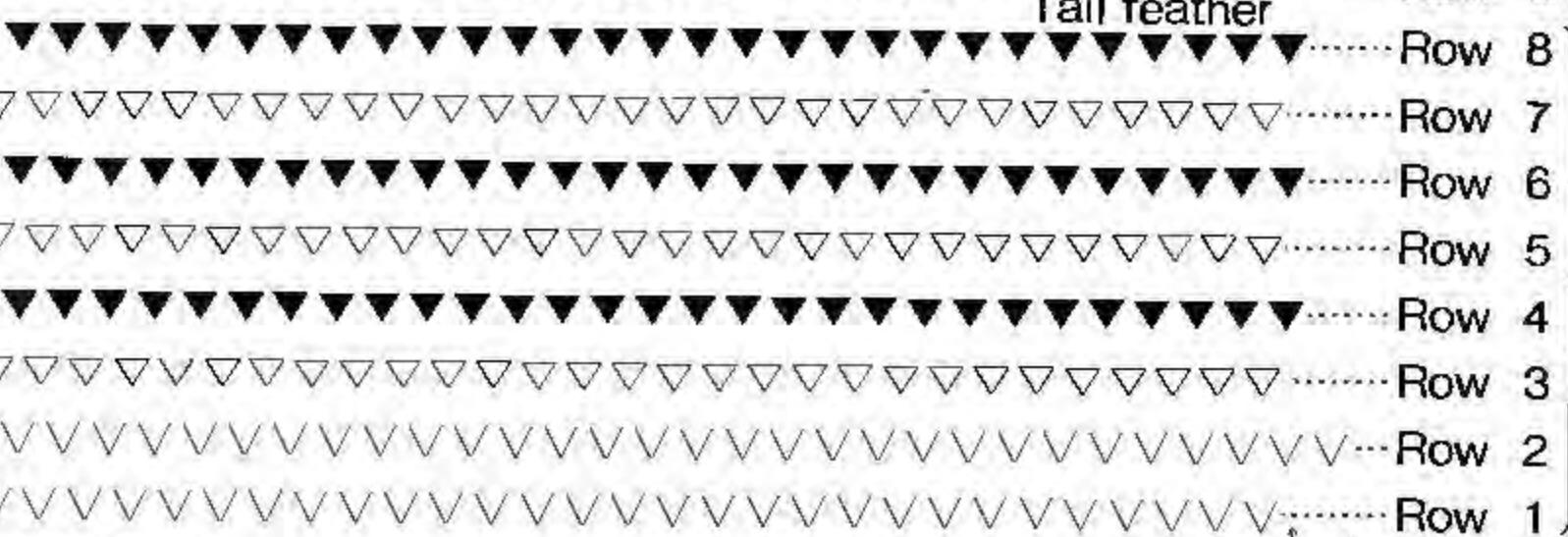
Neck assembly



Row 17 of Chest

For #50 only

First piece of Tail feather



Center back

Join ends to form a ring of 30 pcs.

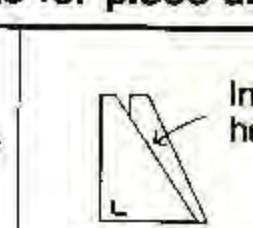
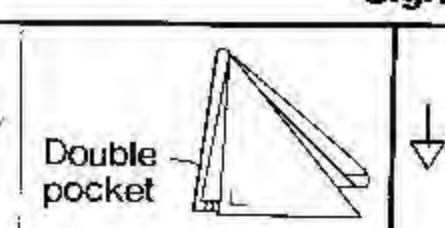
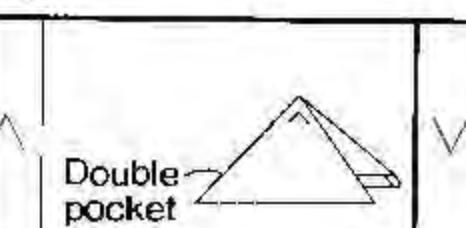
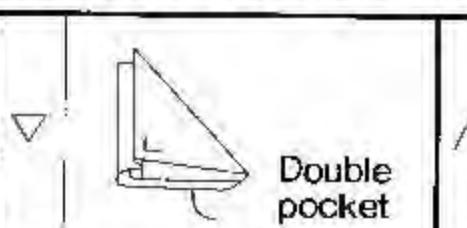
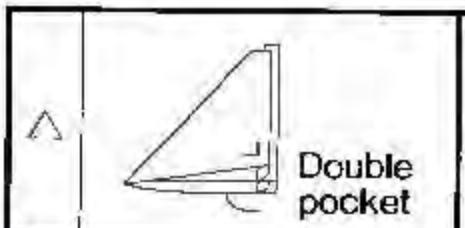
Center back

(31 pcs.)



Join ends to form a ring of 31 pcs.,
about 2" inner diameter.

Signs for piece di



Head/Neck

26 pcs.

(For shaping,
see P.54.)

Crest attaching

Row 17 (2 pcs.) position

Row 16 (3 pcs.)

Row 15 (4 pcs.)

Row 14 (5 pcs.)

Row 13 (6 pcs.)

Row 12 (7 pcs.)

Row 11 (8 pcs.)

Row 10 (9 pcs.)

Row 9 (10 pcs.)

Row 8

Row 7

Row 6

Row 5

30 pcs.
in each
row

Row 4

Row 3

Row 2

Row 1

Pedestal

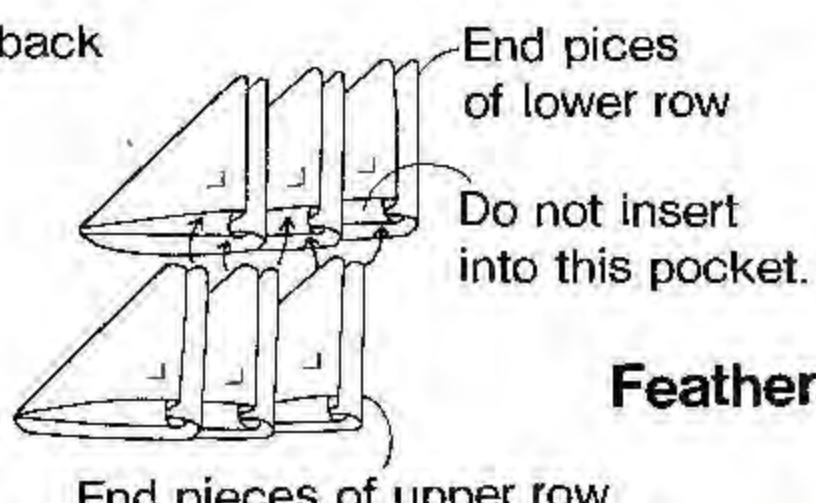
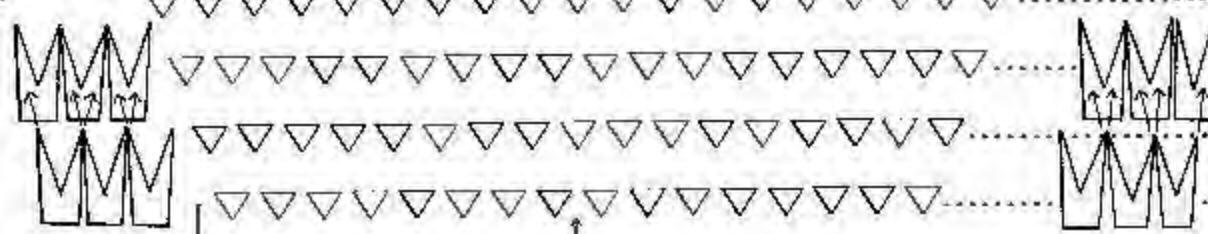
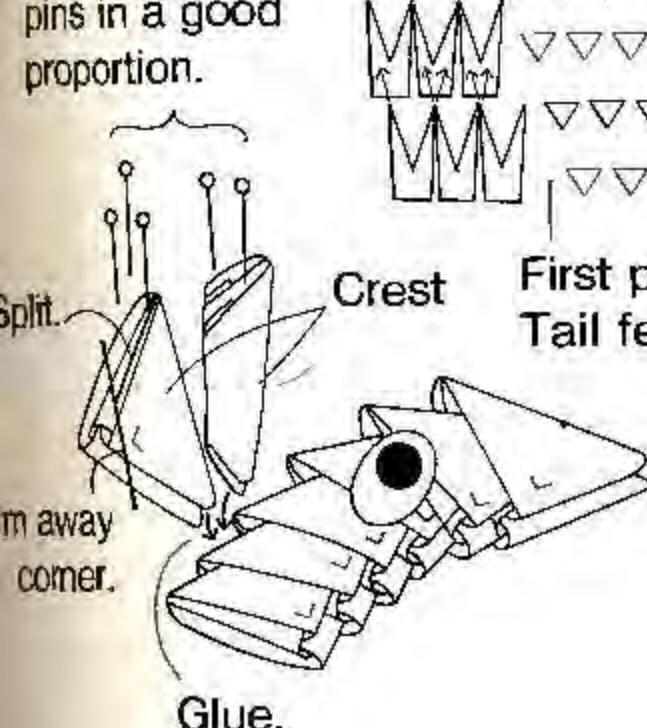
First
of

h

Tail feathers

▽▽	Row 39 (4 pcs.)
▽▽▽▽▽	Row 38 (17 pcs.)
▽▽▽▽▽	Row 37 (24 pcs.)
▽▽▽▽▽	Row 36 (32 pcs.)
▽▽▽▽▽	Row 35 (38 pcs.)
▽▽▽▽▽	Row 34 (39 pcs.)
▽▽▽▽▽	Row 33 (40 pcs.)
▽▽▽▽▽	Row 32 (39 pcs.)
▽▽▽▽▽	Row 31 (38 pcs.)
▽▽▽▽▽	Row 30 (37 pcs.)
▽▽▽▽▽	Row 29 (36 pcs.)
▽▽▽▽▽	Row 28 (35 pcs.)
▽▽▽▽▽	Row 27 (34 pcs.)
▽▽▽▽▽	Row 26 (33 pcs.)
▽▽▽▽▽	Row 25 (32 pcs.)
▽▽▽▽▽	Row 24 (31 pcs.)
▽▽▽▽▽	Row 23 (30 pcs.)
▽▽▽▽▽	Row 22 (29 pcs.)
▽▽▽▽▽	Row 21 (28 pcs.)
▽▽▽▽▽	Row 20 (27 pcs.)
▽▽▽▽▽	Row 19 (26 pcs.)
▽▽▽▽▽	Row 18 (25 pcs.)
▽▽▽▽▽	Row 17 (24 pcs.)
▽▽▽▽▽	Row 16 (23 pcs.)
▽▽▽▽▽	Row 15 (22 pcs.)
▽▽▽▽▽	Row 14 (21 pcs.)
▽▽▽▽▽	Row 13 (20 pcs.)
▽▽▽▽▽	Row 12 (19 pcs.)
▽▽▽▽▽	Row 11 (18 pcs.)
▽▽▽▽▽	Row 10 (17 pcs.)
▽▽▽▽▽	Row 9 (16 pcs.)

Push in 5 marking pins in a good proportion.



Directions are reversed so you can work with the Front facing you

Feather assembly

See P.59 for step-by-step instructions.



#51 DANCING CRANE (P.20)

Completed size
5½" wide, 13" h

Materials

288 1½" × 2¾" rectangles of craft paper (white)
35 1¼" × 2¼" rectangles of craft paper (black)
32 1¼" × 2¼" rectangles of craft paper (white)
7 2¼" × 4" rectangles of craft paper (black)
1 1½" × 1½" rectangle of craft paper (yellow)
1 1¼" × 2¼" rectangle of craft paper (red)

2 ½" diam. plastic eyes
20 ½" diam. cord
4 ft. ¼" diam. wire
26 ½" diam. wire
7 ft. ½" floral tape
2 B3 boards
Tissue paper

△ Beak
△ Crest

3 white
pcs.
(small)

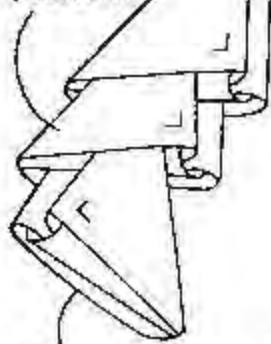
Eye

35 black
pcs.
(small)

△ Head/Neck
△ Interlock 53 pcs.
△ shaping outline
△ according to the
△ pattern.

Neck assembly

First piece
of Neck



First piece of Neck

Row 21 of Body

3 white
pcs.
(small)

Crest
Insert
and glue.

Beak

Leg attaching
position

Wing
attaching
position

Beak

Outer
fold

(Actual size)

Make 2.

△▽ White

▲▼ Black

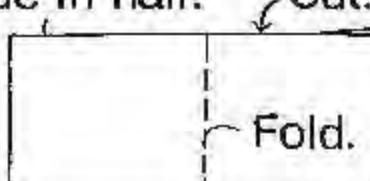
△ Red

Join ends to form a ring of 14 pcs.

Fold a sheet of tissue in half.

For Rows
see Step
on P.66.

Cut.



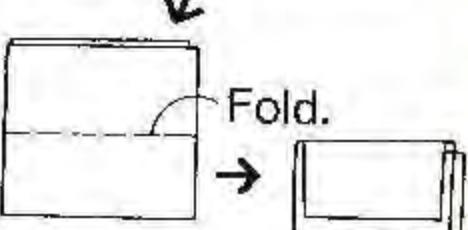
Fold.

Fold.

→

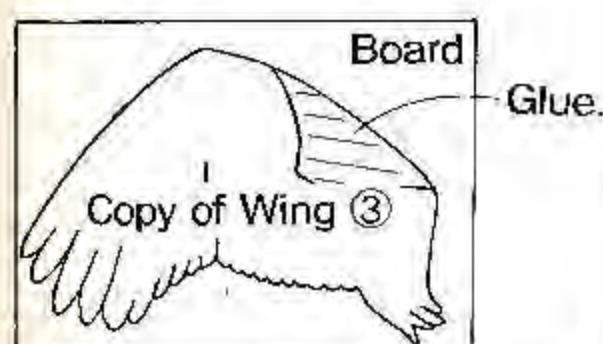
Leg

8 ¼" × 6" wire
2 sheets facial tissue
Floral tape (brown)

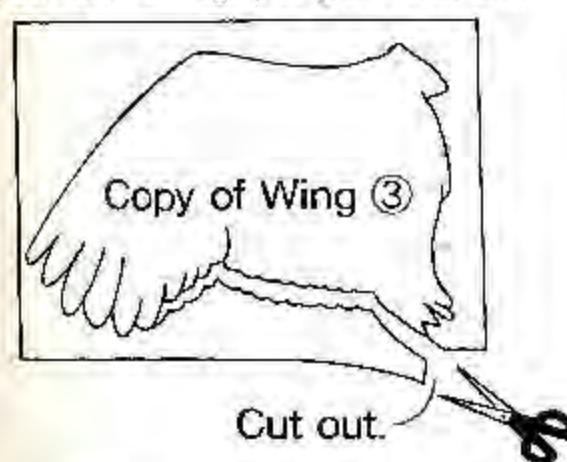


Slide 1 sheet to form
a smooth edge

1 Make 2 copies of Wing ③
(Overleaf).



2 Cut out Wings, 2 pairs in all.

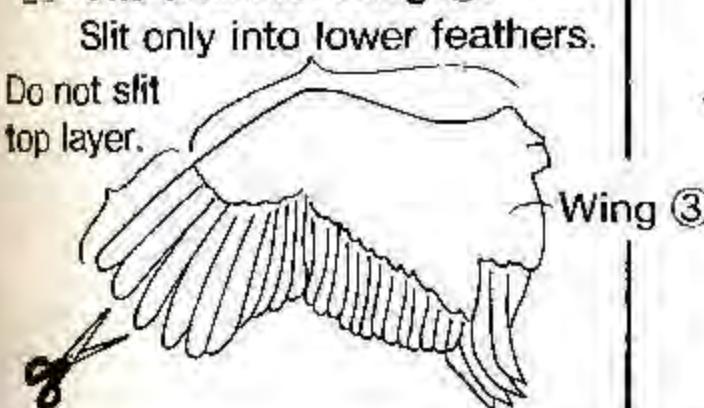


3 Layer front and back side of Wing, and glue.

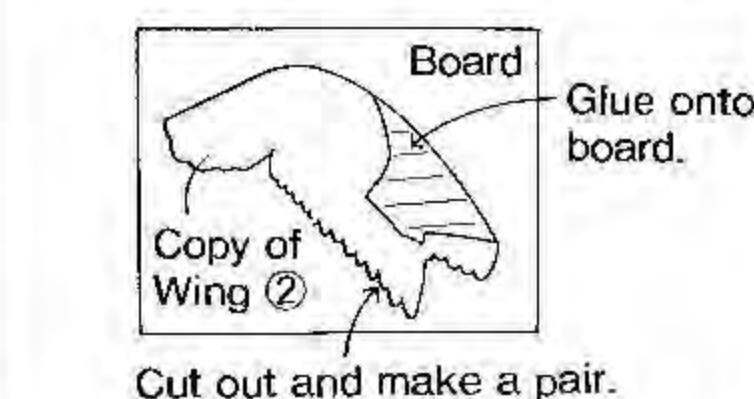


4 Make slits into Wing ③.

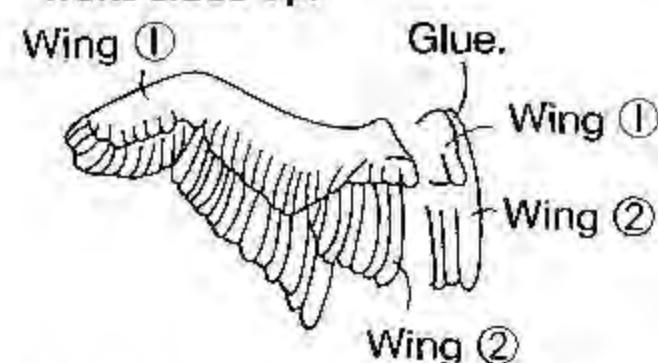
Slit only into lower feathers.
Do not slit top layer.



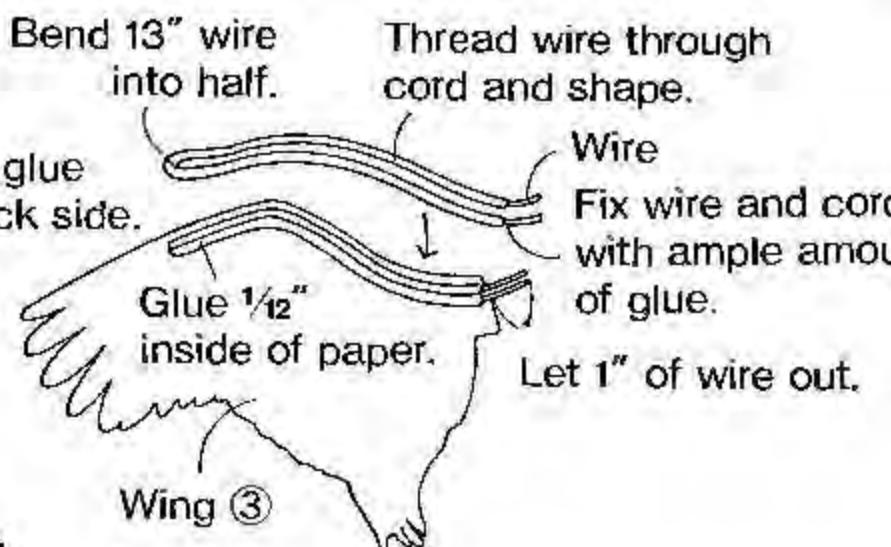
5 Make 2 copies of Wing ① and ②.



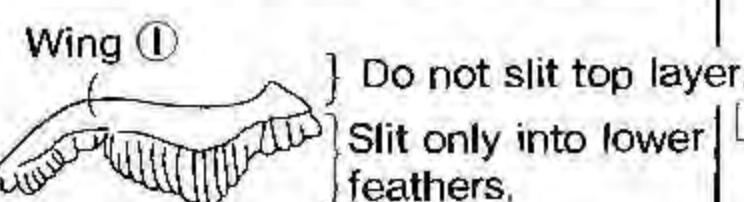
7 Glue Wing ① and Wing ②, front sides up.



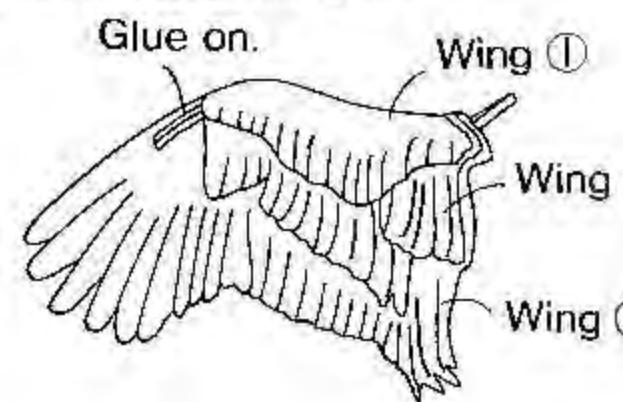
8 Shape wire to align with upper curve of Wing ③.



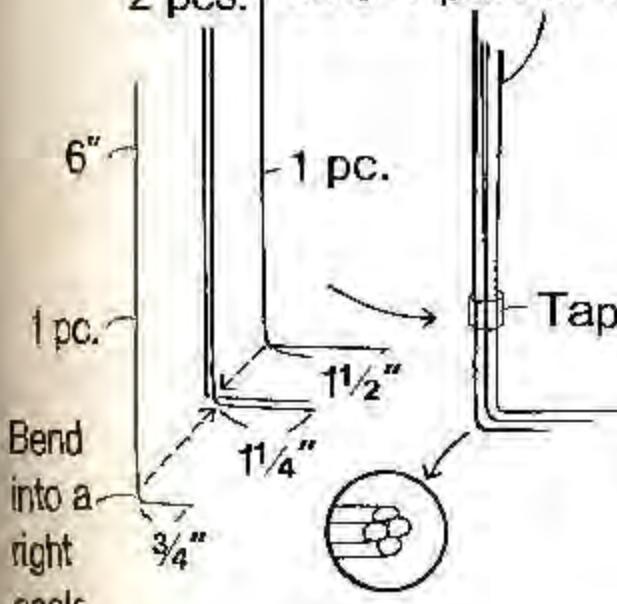
6 Make slits into Wings ① and ②.



9 Glue Wings made in Step 7 (above) onto Wing ③.



2 pcs. Bind 4 pcs. of wire.



Secure with adhesive tape.

Wrap with floral tape:
Tape around the bend
2-3 times tightly, then
wrap up for 3 1/2".

→

→

→

→

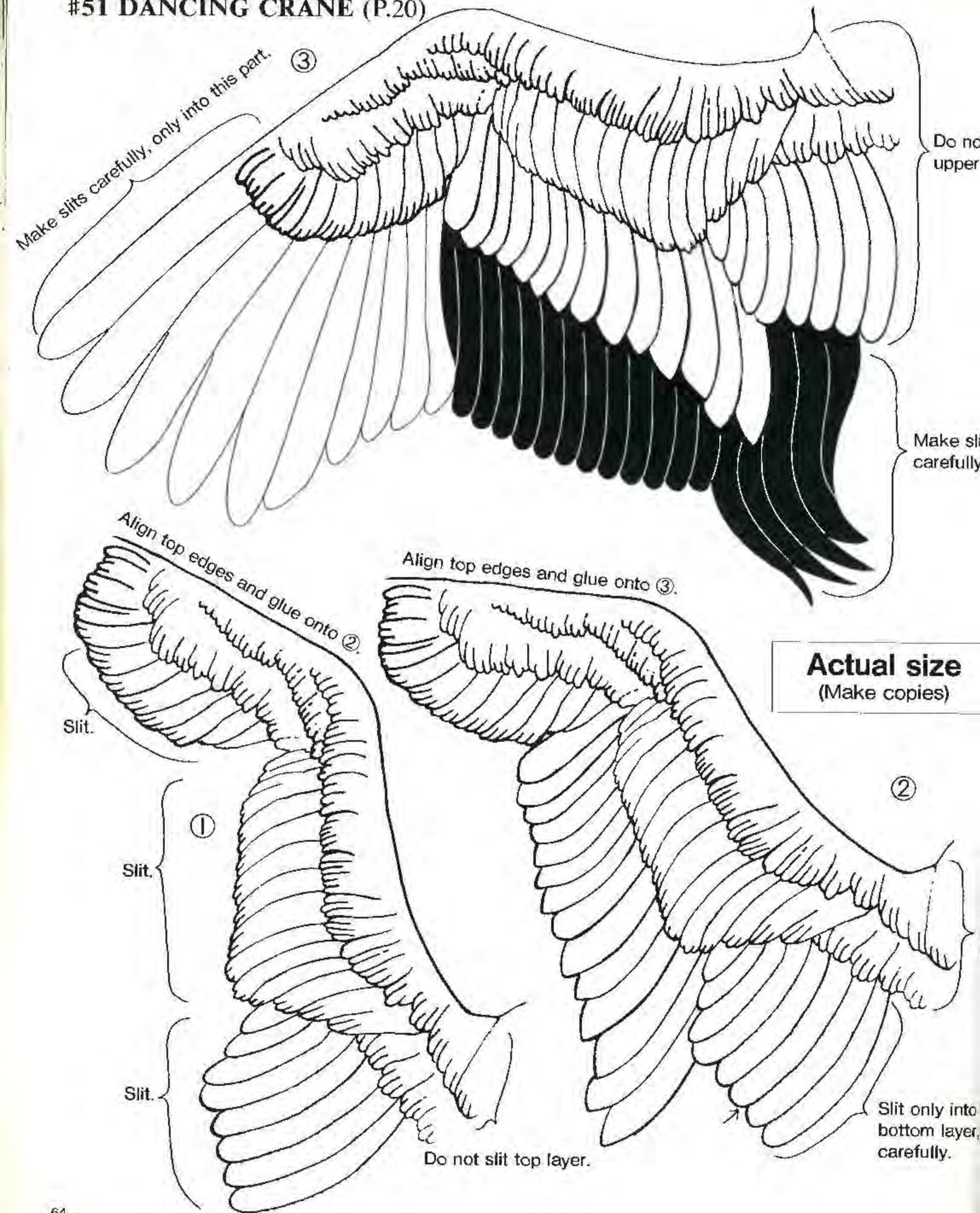
Pull tape as you work.

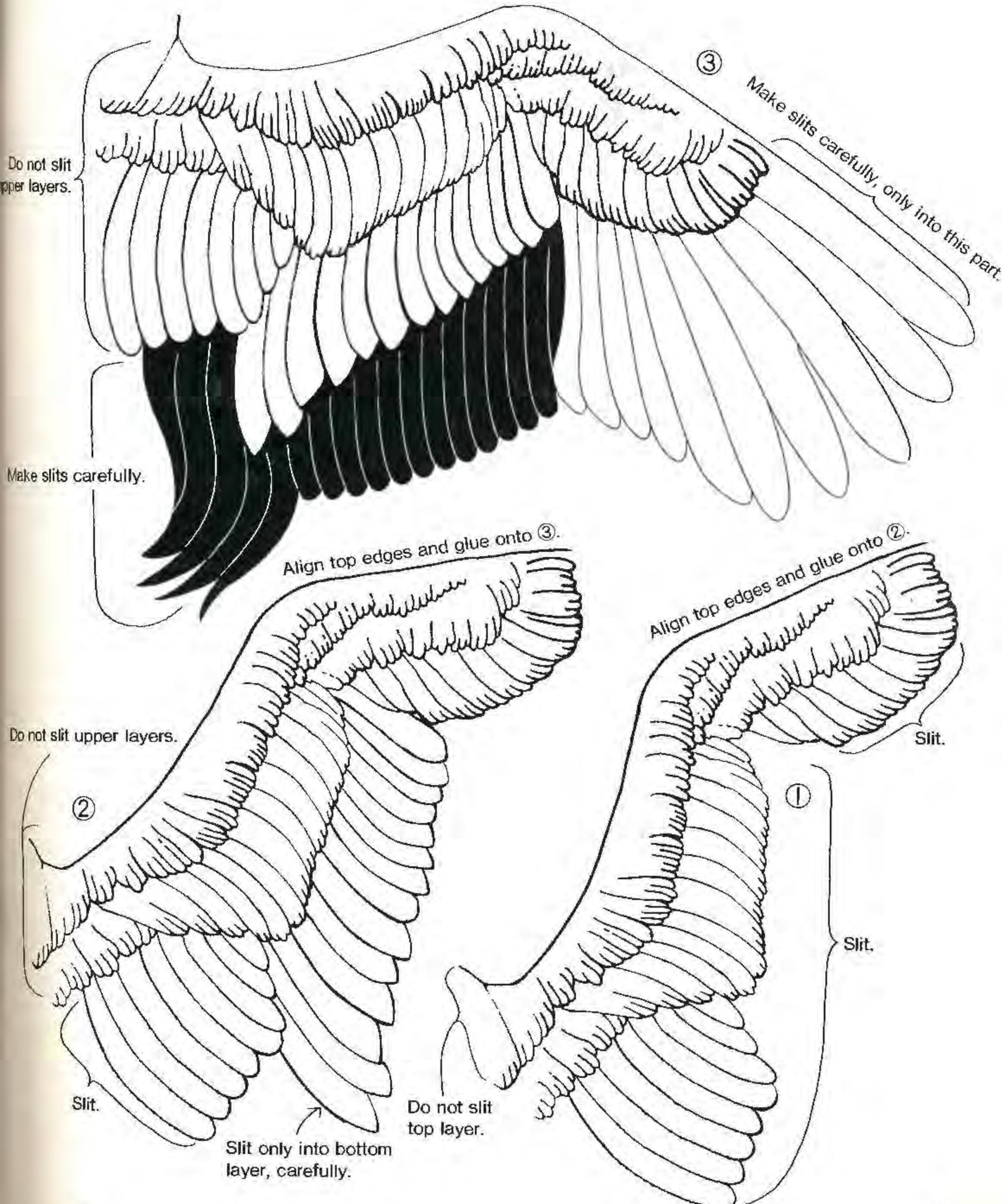
1" Tape to cover tissue.

Make 2 legs.

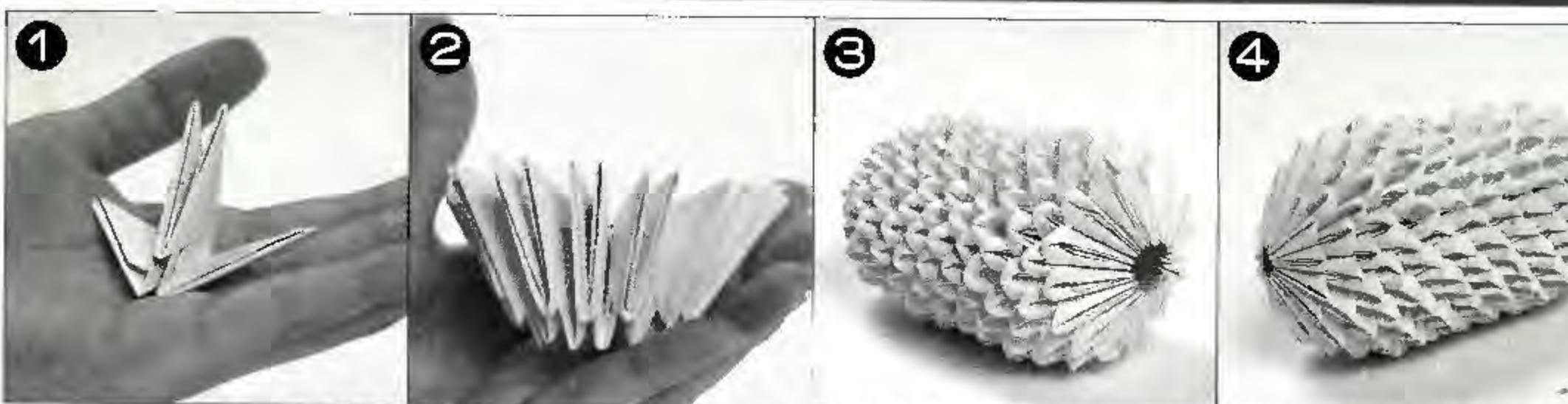
Leave 1/2"-1/8" wire unwrapped.

#51 DANCING CRANE (P.20)





#51 DANCING CRANE (P.20)

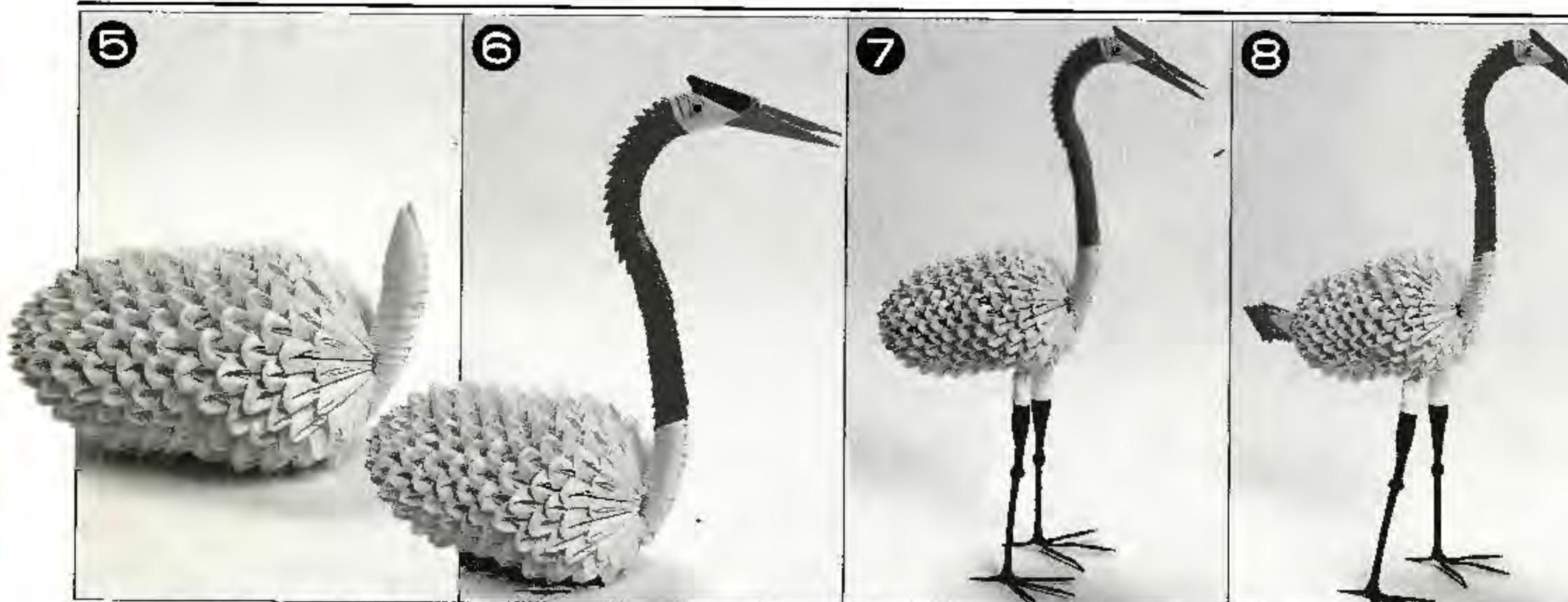


Put a pair of pieces double pockets down. Join them with a piece held in the same direction. Make 7 sets. (14 pcs. on Rows 1 and 2)

Join into a ring, by covering end pieces with a new piece.

Rows 3-20: Applying glue each time, interlock 14 pcs. in each row, shaping the body.

Row 21: Join 14 small without glue.

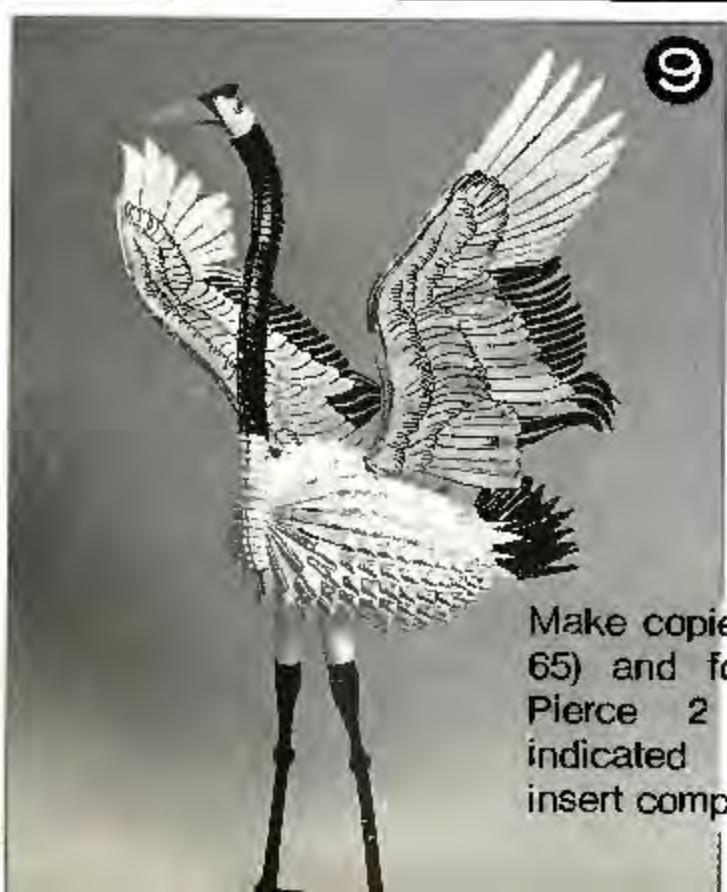


Make neck by interlocking 15 pcs. with glue. Attach to body so as to conceal the hole.

Form upper neck and head referring to diagram on P.62. Attach crest, eyes and beak.

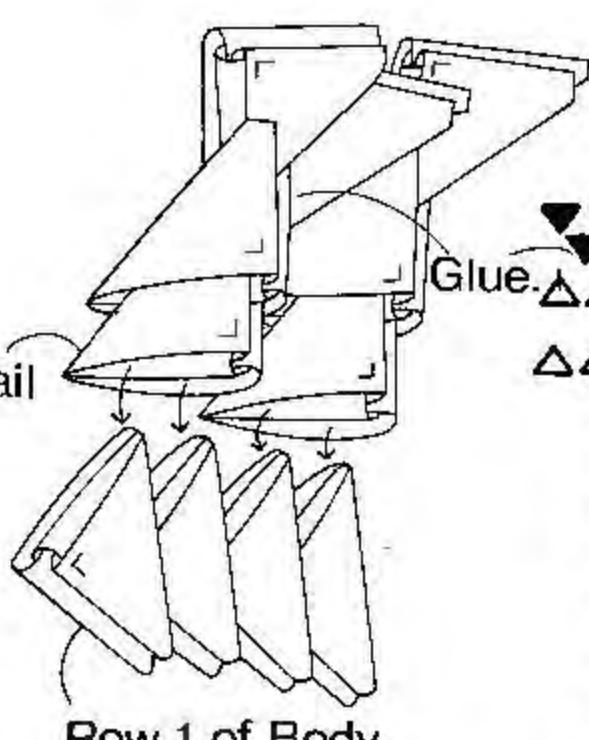
Make legs as directed on P.63, and insert into the indicated positions with glue.

Make tail and glue onto at indicated position.



Make copies of wings (P.64-65) and form as directed. Pierce 2 holds at the indicated positions and insert completed wings.

Row 1 of Tail



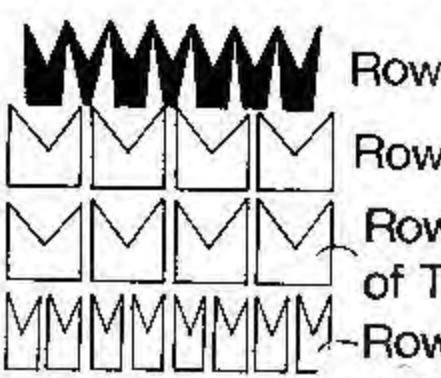
Tail assembly

Apply glue between pieces.

Row 3 (7 pcs.)

Row 2 (4 pcs.)

Row 1 (4 pcs.)



#39 LEMON (P.17)

Completed size
 $2\frac{1}{4}$ " wide, $1\frac{3}{4}$ " high



Materials

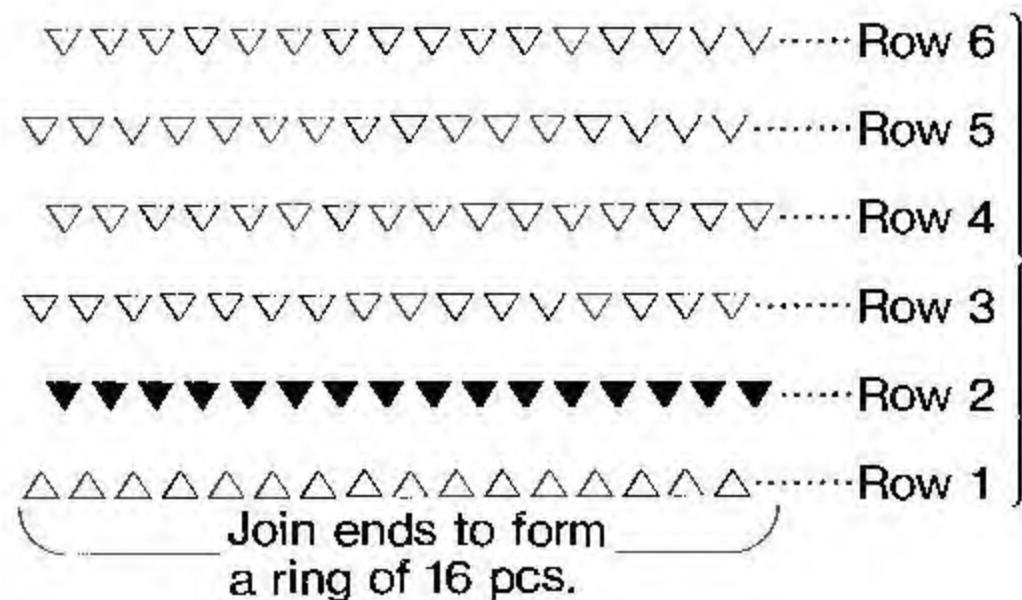
80 1½" × 3" rectangles of origami paper (yellow)

16 1½" x 3" rectangles of origami paper (white)

Note

The completed project may look different depending on the thickness of the paper used.

▽ Yellow ▼ White



→ 16 pcs. in each row.

* Pieces used in the actual project are smaller.



Apply a dab of glue on single points of 3-4 yellow pcs., and paste them together.

Continue until 16 pcs. are pasted. Join into a circle and put on double pockets.

Row 2: Insert adjoining points into double pocket of a white piece.
Continue.



Row 3: Repeat with yellow pieces.

Rows 4-6: Continue joining the same number of pieces, interlocking at an angle to shape. Glue top to secure.

Turn over for completed LEMON-

#57-#58 TEMARI BALL (P.16)

Completed size
#22: 2" wide, 2"
#23: 6" wide, 6"

#23



#22



Materials

- #22: 52 each $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (4 colors)
26 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (1 color)
13 $1\frac{1}{2}'' \times 3''$ rectangles of origami paper (1 color)
8" $\frac{1}{2}$ " ribbon
#23: 60 each $2'' \times 3''$ rectangles of origami paper (10 colors)
12" 1" ribbon
1 miniature bell

Note

The completed project may look different depending on the thickness of the paper used.

1



2



3



Apply a dab of glue on single points of 4-5 pcs., and paste them together. Make several sets.

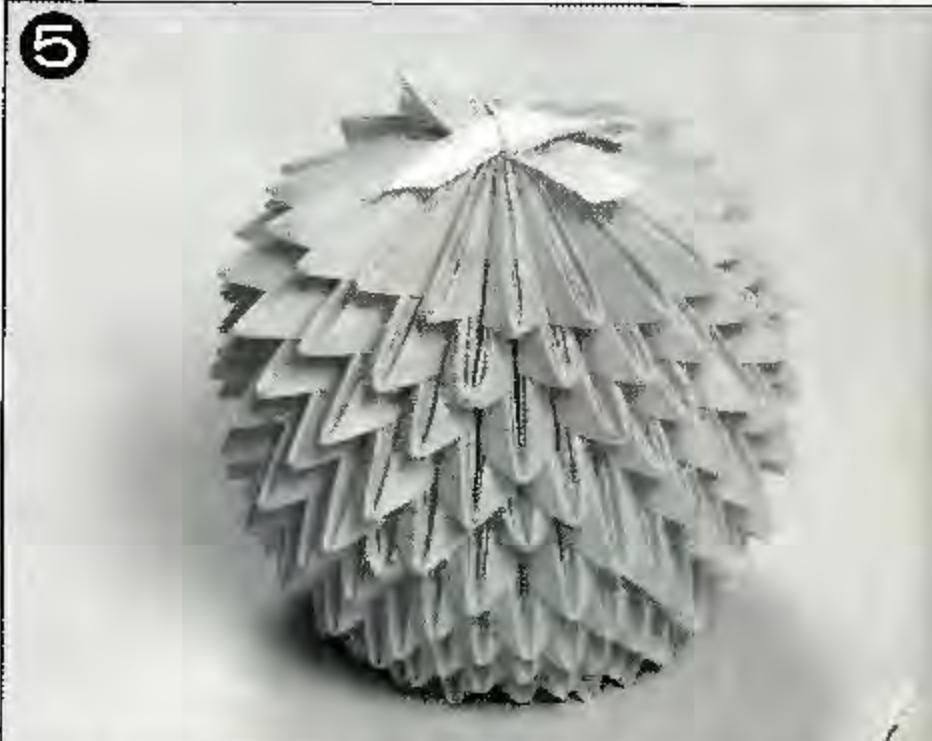
When 19(30) pcs. are used, paste each other and join into a circle.

Row 2: Insert adjoining points of Row 1 into the double pocket of a piece. Continue all around.

4



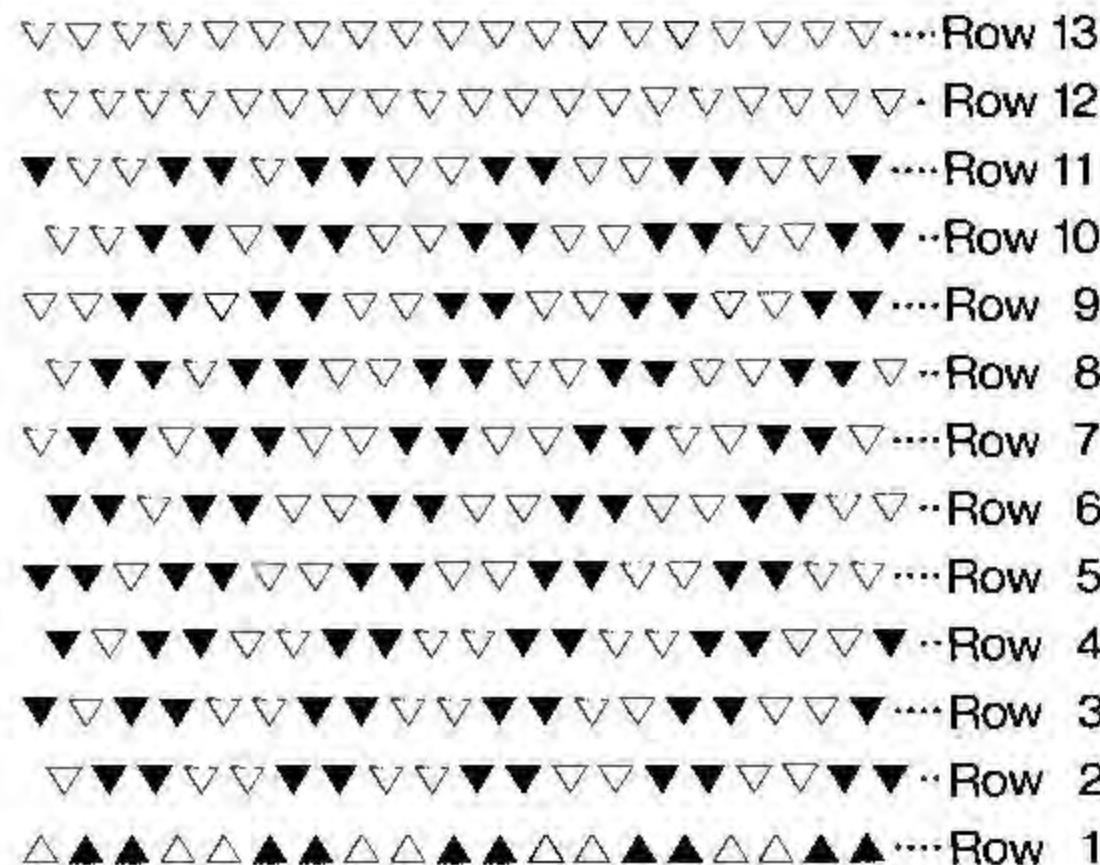
5



Row 3-18: Continue, altering colors as directed on the left page, and shaping into a ball with as small opening as possible.

Cover the top with a bow. (Sew a miniature bell onto wrong side of the bow before attaching.)

#22



19 pcs. in each row.

Color is alternated every 2 pcs.

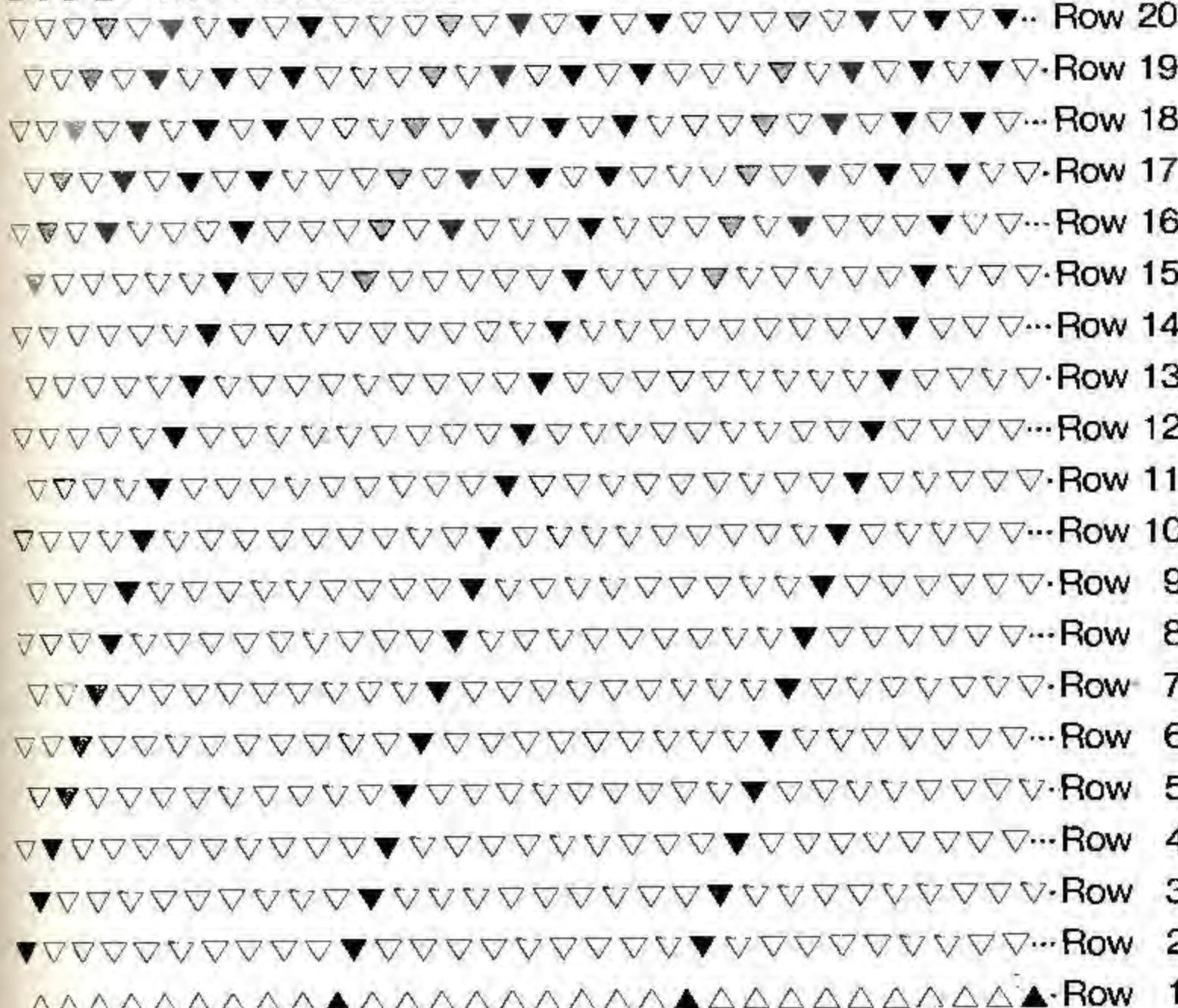
—Join ends to form a ring of 19 pcs.—

A repeated pattern consists of 10 colors.

Make your favorite stripes
by arranging the color chart.

#23

BCDEFGHIJA BCDEFGHIJA BCDEFGHIJA



30 pcs. in each row.

—Join ends to form a ring of 30 pcs.—



#59-#61 GOOD-LUCK HYOTAN (GOURD) (

Completed size

#59: 5½" wide, 10" high #60: 5¼" wide, 9" high #61: 4¼" wide, 7" high

Materials

#59: 762 2 $\frac{3}{8}$ " x 4 $\frac{3}{4}$ " rectangles of washi paper (silver)
3 ft. cord with fringe

#60: 762 3" x 6" rectangles of origami paper (pale green)
½ ft. cord with fringe

#61: 762 1 1/4" x 3 3/4" glossy paper (from magazine)
1/2 ft. cord with fringe

Row 19 & 20: Work in opposite direction.

20 pcs. in
each row

How to make :



Cut rectangular paper

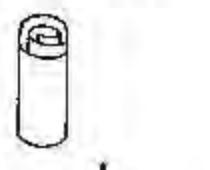


Layer 4 sheet

30 pcs. in
each row.

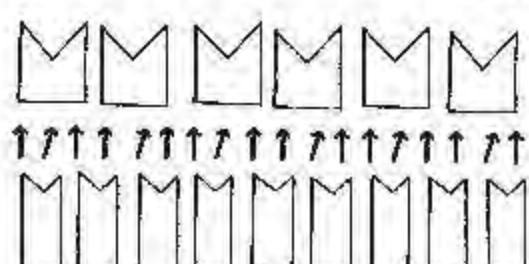
↓

Roll up and



- Join ends to form a ring of 30 pcs -

How to reduce in Row 21



Row 21

Row 20

Repeat this to decrease the number of pcs., from 30 to 20.



1
Apply a dab of glue on single points of 5-6 pcs., and paste them together. Repeat to make this set until 30 pcs. are used.

2
Paste each other and join into a circle of 30 pcs. (Row 1).

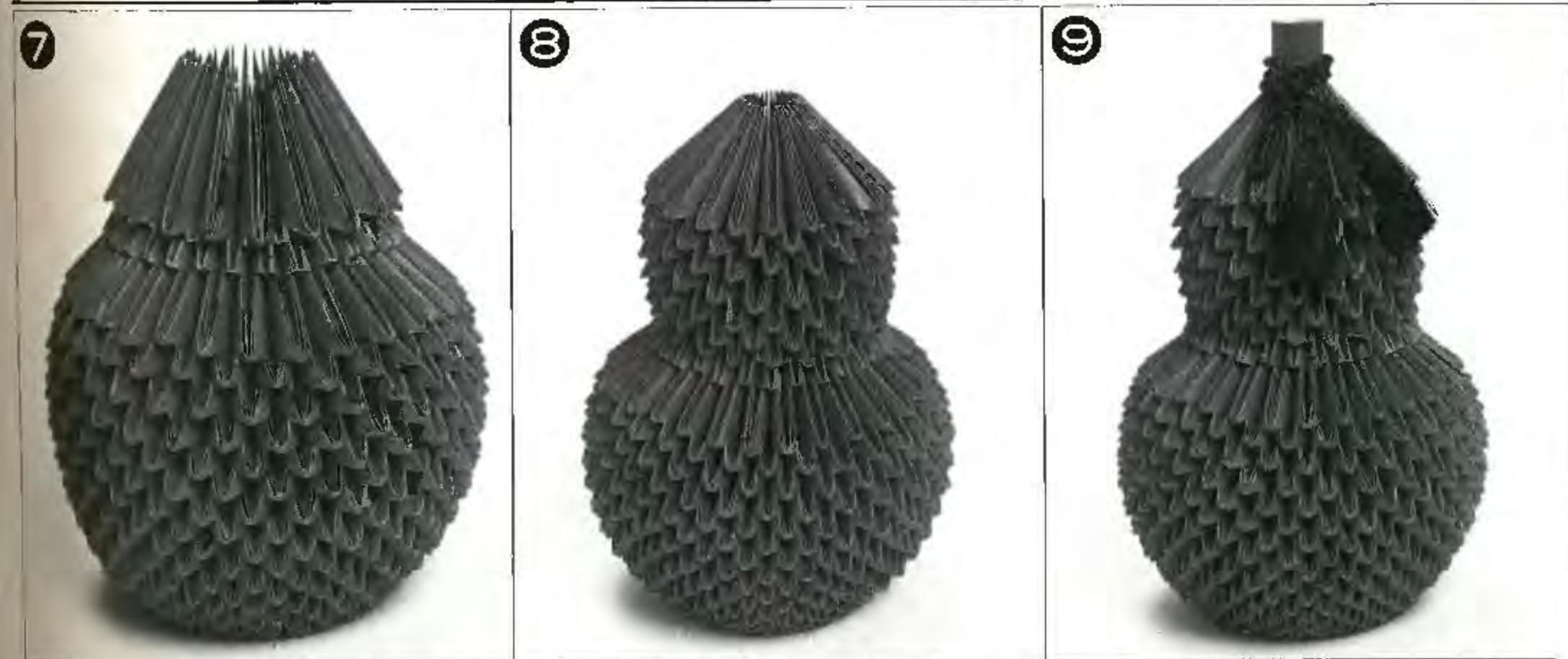
3
Row 2: Insert adjoining points of Row 1 into double pocket of a piece, double points facing up. Continue all around.



4
Rows 3-18: Work in the same manner interlocking at an angle so as to form a ball.

5
Row 19: Change the direction of pieces.

6
Row 20: Work as for Row 18. Row 20: Change the direction of pieces again.



7
Row 21: Decrease the number of pieces to 20. Insert 3 points into a double pocket so that 2 pcs. cover 3 pcs.

8
Rows 22-28: Work with 20 pcs. on every row.

9
Layer 4 rectangles and roll up to form stem. Glue onto top of gourd, and tie cord around the stem, into a bow.



#65-#67 WINGED OWL (P.24)

Completed size
7" wide, 6¾" hi

Materials

- 317 2¾" × 4¼" rectangles of craft paper (black) [brown] [moss green]
- 81 2¾" × 4¼" rectangles of craft paper (white) [white] [white]
- 2 2¾" × 4¼" rectangles of craft paper (dark brown) [dark brown] [dark brown]
- 1 2¾" × 4¼" rectangle of craft paper (pink) [pink] [pink]
- 1 pearl-headed marking pin
- ¾" wide ribbon
- 2 ½" diam. plastic eyes each
- 1 ½" diam. bead wheel each

<#65> [#66] [#67]

(blue) [white] (yellow)

(3" moss green) [8" green] [3" green]

Ear

- △△ Row 22 (4 pcs.)
- △ △ △ △ Row 21 (4 pcs.)
- △▲▲△ △▲▲△ Row 20 (8 pcs.)
- ▲▲▲ ▲▲▲ Eye attaching position for #66 Row 19 (6 pcs.)
- △△△△ △△△△ Row 18 (8 pcs.)

Bill attaching position

Body

Wing attaching position

Bow attaching position

Foot attaching position

Signs for piece direction

△ Black for #65

Brown for #66

Green for #67

▲ White

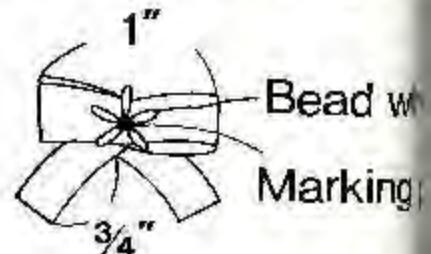
Wing (Make 2)

- △△△△ Row 6 (4 pcs.)
- △△△△△ Row 5 (5 pcs.)
- △△△△△ Row 4 (4 pcs.)
- △△△△ Row 3 (3 pcs.)
- △△△ Row 2 (2 pcs.)
- △ Row 1 (1 pc.)

20 pcs. in each row

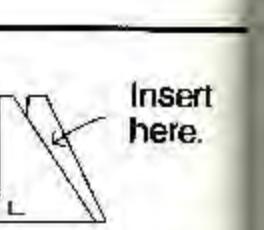
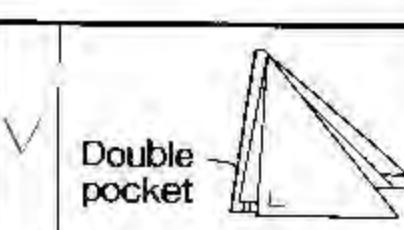
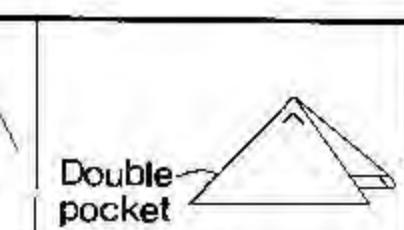
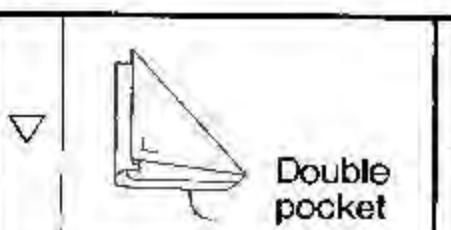
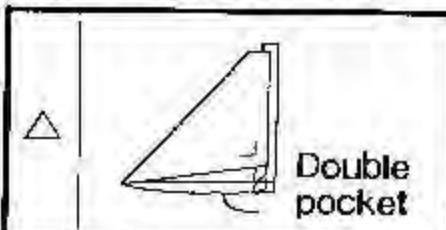
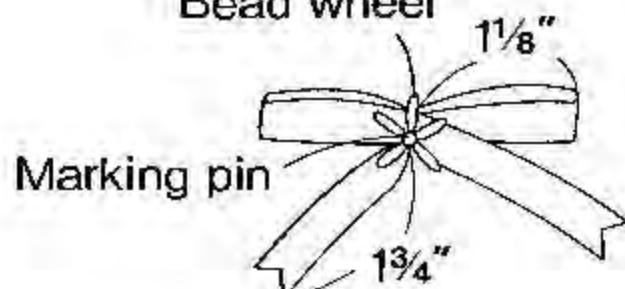
Bow

#65: Black #67: Moss green



#66

Bead wheel



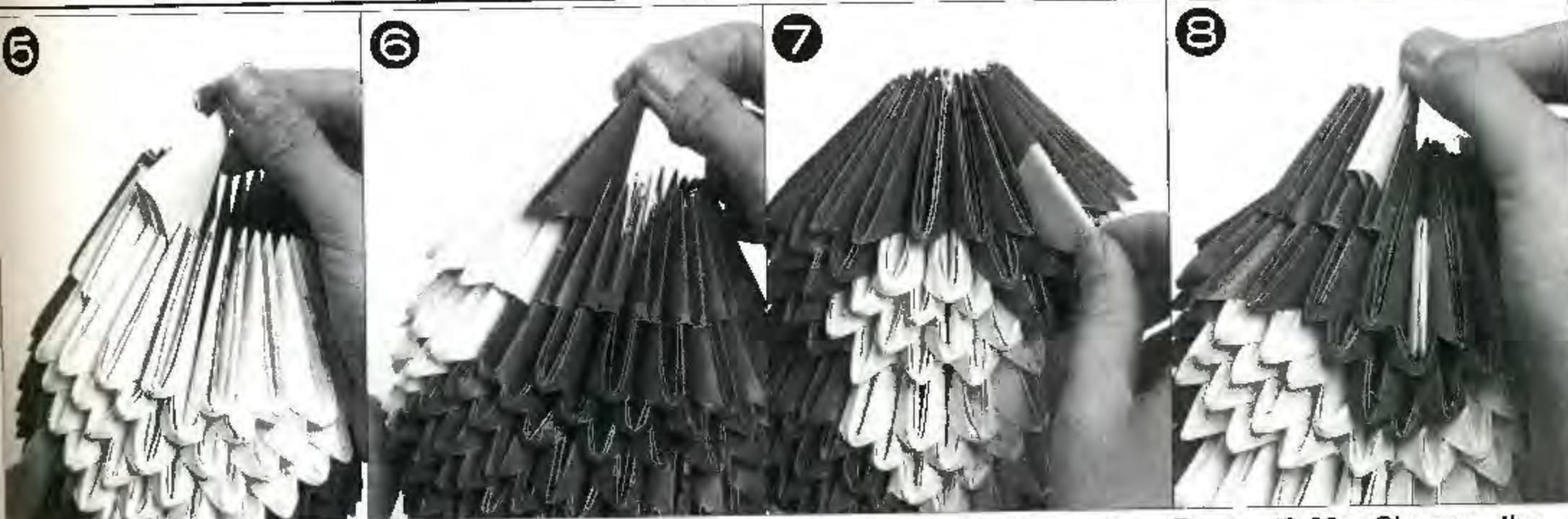


1
Apply a dab of glue on single points of 5-6 pcs., and paste them together. Repeat to make this set until 20 pcs. are used.

2
Paste each other and join into a circle of 20 pcs. (Row 1).

3
Row 2: Insert adjoining points of Row 1 into double pocket of a piece, double points facing up. Continue all around.

4
Rows 3-11: Continue joining the same number of pieces, altering color as directed on the opposite page.

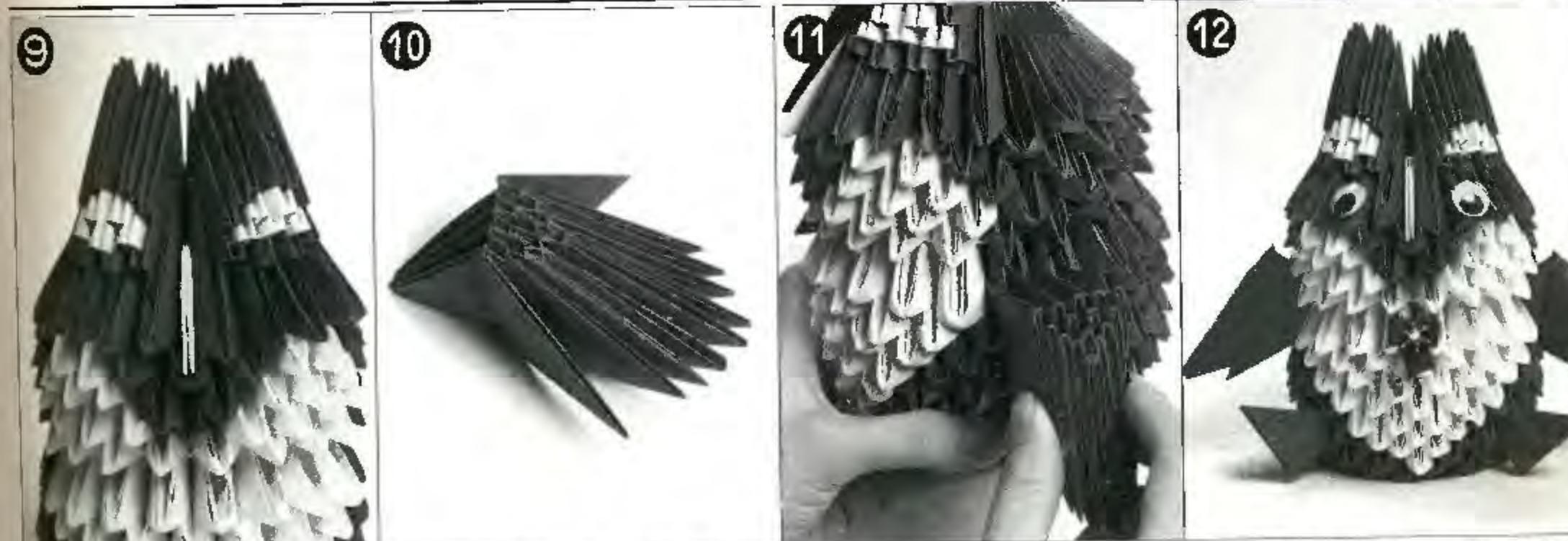


5
Row 12: Change the direction of pieces so the right angles face outward. See diagram for color layout.

6
Rows 13-16: Change the direction of pieces again so the right angles face inward. See diagram for color layout.

7
Row 17: Begin at center front; join 5 pcs. each rightward and leftward. Insert a pink piece into center front.

8
Rows 18-22: Change the direction of pieces again and form ears, one by one.



9
Both ears are completed.

10
Make a wing referring to the diagram. Make 2.

11
Insert wings into indicated positions.

12
Insert feet into indicated positions. Attach eyes and bow to finish.

#76 BRIDE (P.26)

Completed size
4½" wide, 6" high

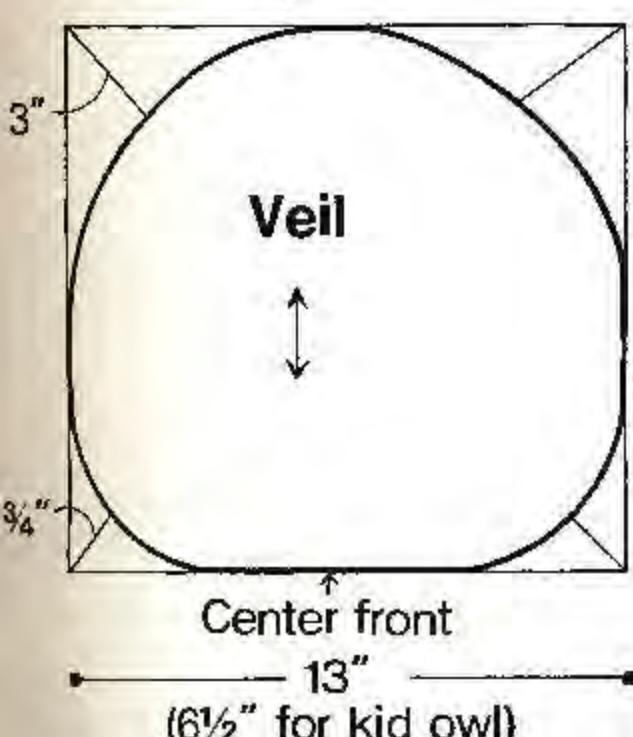
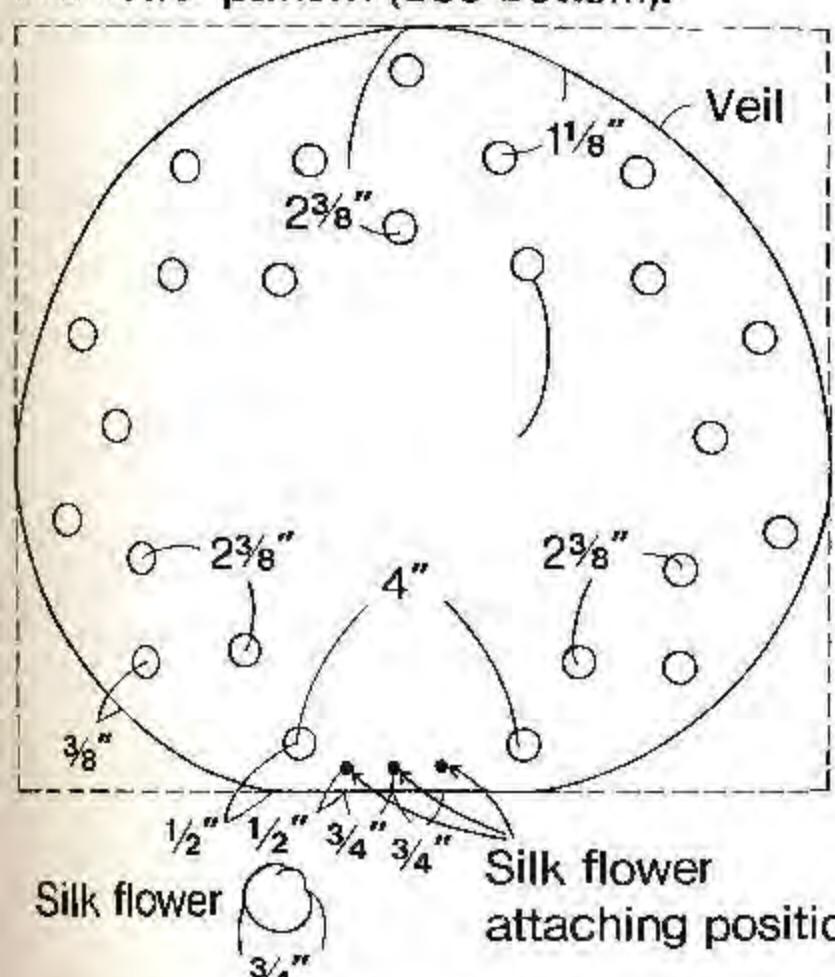


Materials

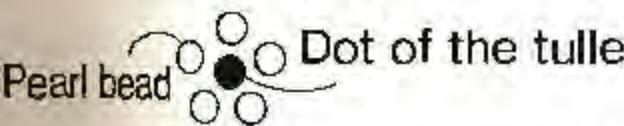
Materials
399 $2\frac{3}{8}'' \times 4\frac{3}{4}''$ rectangles of craft paper (white)
75 $2\frac{3}{8}'' \times 4\frac{3}{4}''$ rectangles of craft paper (pink)
1 $2\frac{3}{8}'' \times 4\frac{3}{4}''$ rectangle of craft paper (gold)
1 $2\frac{3}{8}'' \times 4\frac{3}{4}''$ rectangle of craft paper (red)
2 $\frac{1}{2}$ " diam. plastic eyes
1 pearl-headed marking pin (white)

16" 1/4" ribbon (silver)
115 1/8" diam. perl beads
1 1/2" diam. bead wheel
3 silk flowers (pink)
12" x 13" dotted tulle

Sew on beads omitting the center of veil,
in a flower pattern (See bottom).

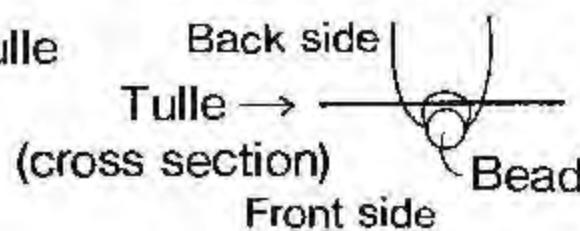


Bead embroidery pattern



How to secure beads

- ①Using a threaded needle, ②Apply a dab of glue
sew on bead twice. onto the first stitch.

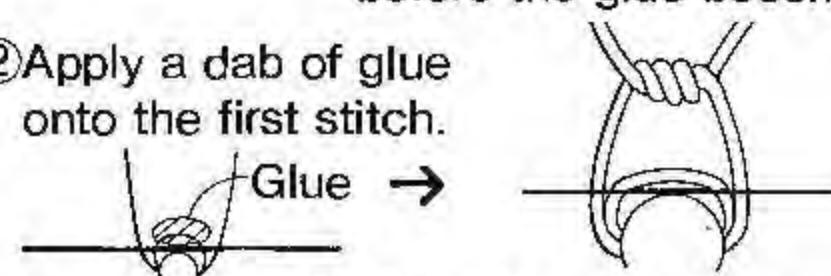


ilk flower attaching position

Join ends to form a ring of 22 pcs.

→ See P.77 for step-by-step instructions.

- ③ Tie into a knot winding twice, before the glue becomes dry.



- ④ When the glue is dry,
trim away excess thread.



Apply a dab of glue on single points of 5-6 pcs., and paste them together. Repeat to make this set until 22 pcs. are used.

Paste each other and join into a circle of 22 pcs. (Row 1).

Row 2: Insert adjoining points of Row 1 into double pocket of a piece, double points facing up. Continue all around.

Rows 3-12: Continue joining the same number of pieces, altering color as directed on the opposite page.

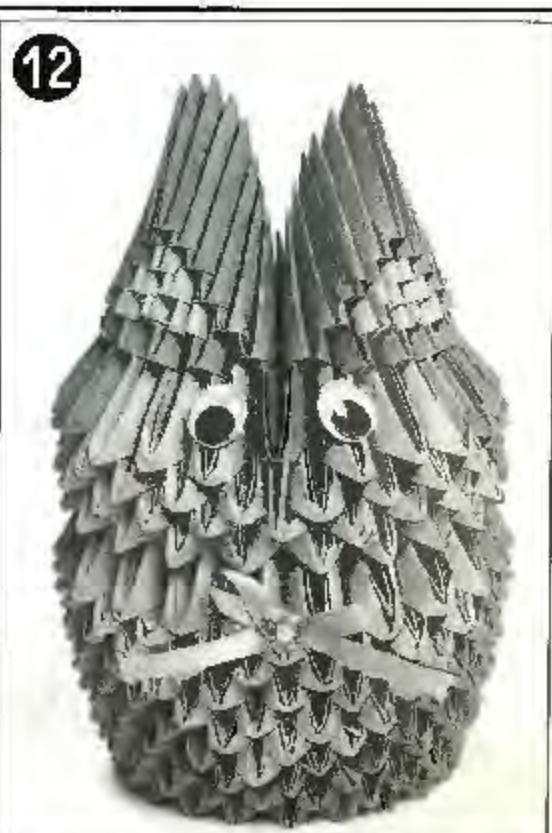


Row 13: Shape neck by changing direction of pieces, the right angles facing outward. See diagram for colors.

Rows 14-16: Change direction of pieces again, and work as directed on the color chart.

Insert bill (red) into Row 16.

Row 17: Work in the same manner as the previous row.



Row 18: Form ears; change direction of pieces and work only on ears.

Both ears are completed.

Glue on eyes.

Attach bow and bead wheel by pushing in marking pin.

#77-#79 FLOWER GIRL & RING BEARER (P.26)

Completed size
2 $\frac{3}{4}$ " wide, 3" high

Materials

	[#77]	[#78]	[#79]
274 1 $\frac{1}{8}$ " x 2 $\frac{1}{8}$ " rectangles of craft paper	<yellow> [blue]	[pink]	2 1 $\frac{1}{2}$ " diam. plastic eyes each
88 1 $\frac{1}{8}$ " x 2 $\frac{1}{8}$ " rectangles of craft paper	<white> [white]	[white]	5" x 8" tulle (for #79)
1 1 $\frac{1}{8}$ " x 2 $\frac{1}{8}$ " rectangle of craft paper	<red> [red]	[red]	2 silk flowers (for #79)
1 pearl-headed marking pin	<yellow> [blue]	[pink]	
3" 1 $\frac{1}{8}$ " ribbon	<silver> [silver]	[silver]	
1 1 $\frac{1}{2}$ " diam. bead wheel	<gold> [gold]	[gold]	
5 stemmed silk flowers plus 1 stemmed bud each			

Ear

Silk flower attaching position	△▲△	△△.....	Row 22 (2 pcs.)
	△▲▲	△△.....	Row 21 (4 pcs.)
	△▲▲△	△▲△.....	Row 20 (6 pcs.)
	△▲▲△△	△▲△△.....	Row 19 (8 pcs.)
	△▲▲△△△	△▲△△△.....	Row 18 (10 pcs.)
	△▲△△△△△	△△△△△△.....	Row 17 (12 pcs.)

Eye attaching position for #79

Bill (red)

Bow attaching position

Bouquet attaching position

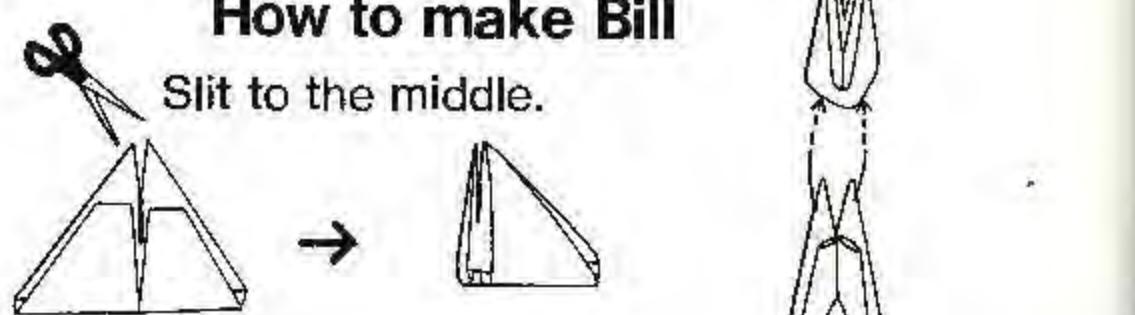
Body

Ear	△.....	Row 22 (2 pcs.)
Silk flower attaching position	△△.....	Row 21 (4 pcs.)
	△▲△.....	Row 20 (6 pcs.)
	△▲▲.....	Row 19 (8 pcs.)
	△▲▲△.....	Row 18 (10 pcs.)
	△▲△△△△△.....	Row 17 (12 pcs.)
Eye attaching position for #79	△△△△△△.....	Row 16
Bill (red)	△△△△△△.....	Row 15
	△△△△△△.....	Row 14
	△△△△△△.....	Row 13
	△△△△△△.....	Row 12
	△△△△△△.....	Row 11
	△△△△△△.....	Row 10
	△△△△△△.....	Row 9
	△△△△△△.....	Row 8
	△△△△△△.....	Row 7
	△△△△△△.....	Row 6
	△△△△△△.....	Row 5
	△△△△△△.....	Row 4
	△△△△△△.....	Row 3
	△△△△△△.....	Row 2
	△△△△△△.....	Row 1

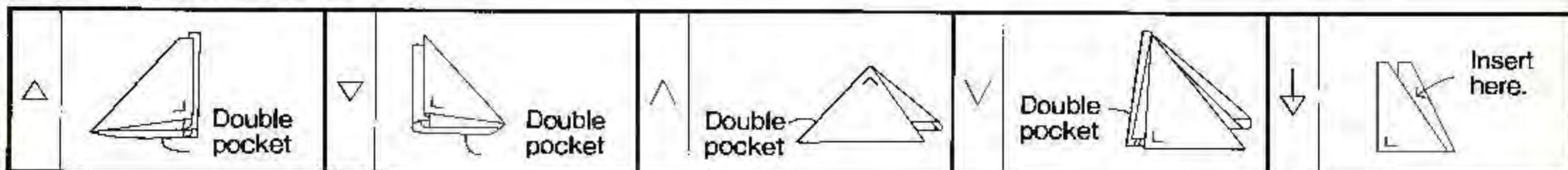
Center front

Join ends to form a ring of 20 pcs.

See P.77 for step-by-step instructions.



● For veil, see P.75
Signs for piece direction



#1 GRANNY OWL (P.3)

Completed size
2 $\frac{1}{4}$ " wide, 4" high

Materials

- 328 1 $\frac{1}{2}$ " x 2 $\frac{1}{4}$ " rectangles of glossy paper (black shades)
- 88 1 $\frac{1}{2}$ " x 2 $\frac{1}{4}$ " rectangles of glossy paper (white base)
- 1 1 $\frac{1}{2}$ " x 2 $\frac{1}{4}$ " rectangle of glossy paper (red shades)
- 2 $\frac{1}{2}$ " diam. plastic eyes
- 1 pearl-headed marking pin (white)
- 2" #28 wrapped wire (green)
- 1 pair doll's glasses



△ Magazine paper in black shades

▲ Magazine paper with white base

Ear

△

△

Row 23 (2 pcs.)

△△

△△

Row 22 (4 pcs.)

△▲△

▲△△

Row 21 (6 pcs.)

△▲▲△

△▲▲△

Row 20 (8 pcs.)

Glass attaching position

△▲▲▲△

△▲▲▲△

Row 19 (10 pcs.)

△△△△△△△△

△△△△△△△△

Row 18 (12 pcs.)

Eye attaching position

△△△△△△△△

△△△△△△△△

Row 17

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 16

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 15

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 14

△△△△△△△△

△△△△△△△△

Row 13

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 12

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 11

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 10

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 9

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 8

▽▽▽▽▽▽▽▽

▽▽▽▽▽▽▽▽

Row 7

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Row 6

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Row 5

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▽▽▽▽▽▽▽▽

Row 4

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▽▽▽▽▽▽▽▽

Row 3

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▽▽▽▽▽▽▽▽

Row 2

△△△△△△△△

△△△△△△△△

Row 1

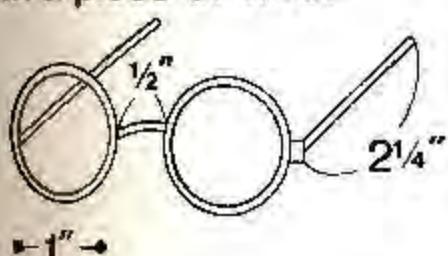
Center front

Join ends to form a ring of 22 pcs.

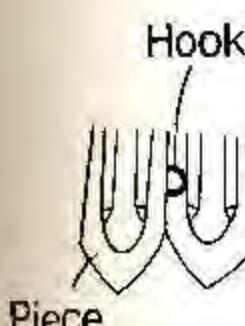
22 pcs.
in each
row

Reading glasses

Doll's glasses are used here,
but if not available, make a pair
with a piece of wire.



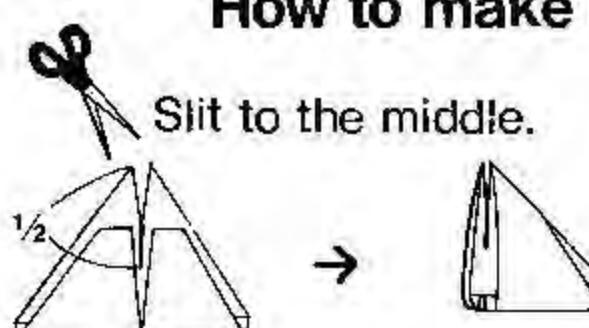
How to attach hook for glasses



Insert with glue.

Join pieces in the same manner as for #62-64 OWL on P.77.

How to make Bill



#68 KAPPA (P.25)

Completed size
3½" wide, 5" high

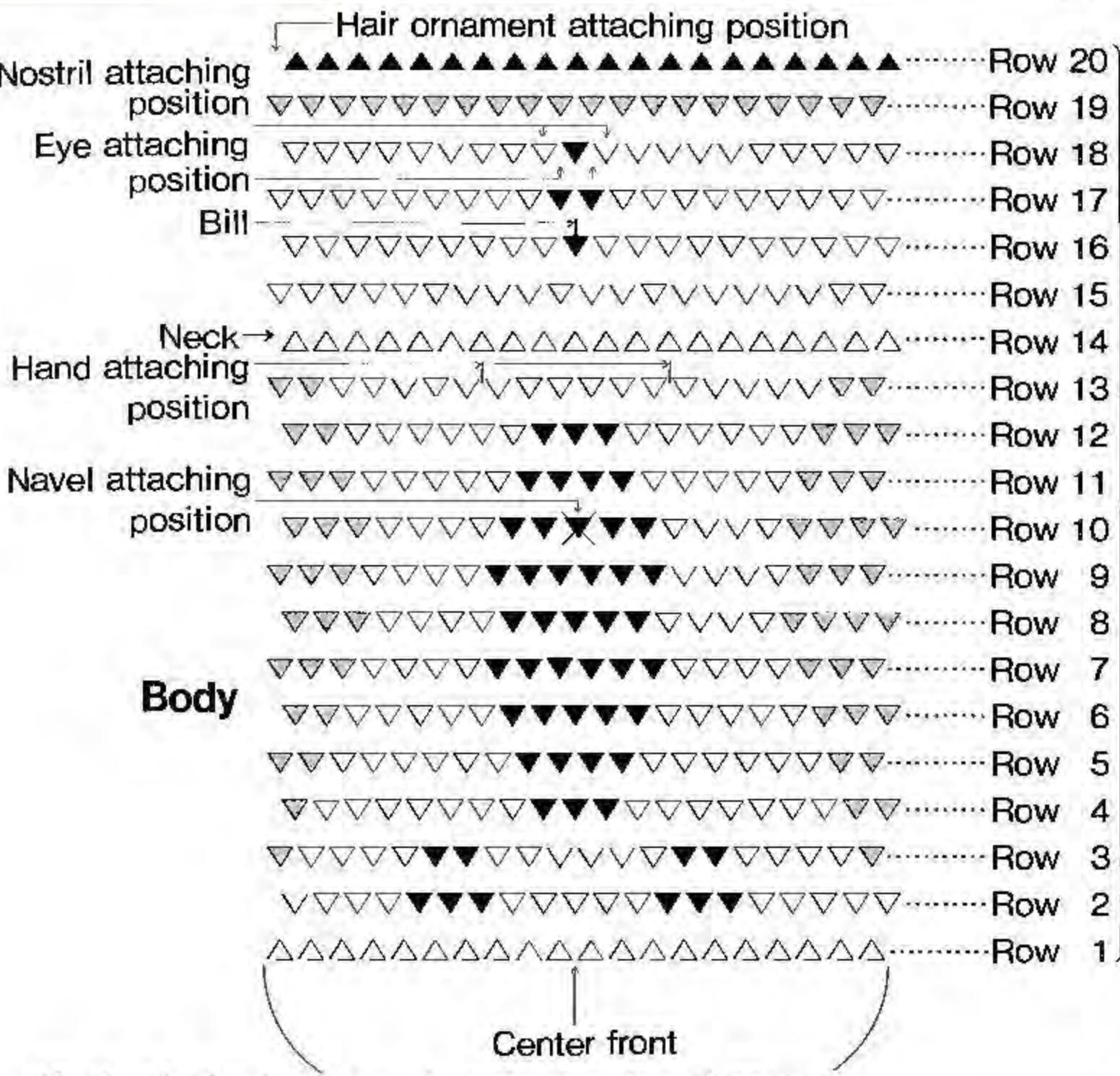


Materials

- 250 2¾" × 4¼" rectangles of craft paper (pale green)
- 75 2¾" × 4¼" rectangles of craft paper (black)
- 58 2¾" × 4¼" rectangles of craft paper (yellow) + 2 pcs. for hands
- 20 1⅛" × 4¼" rectangles of craft paper (yellow, for rain hat)
- 1 1½" × 4" rectangle of craft paper (black, for hair ornament)
- 55 4¼" × 1⅛" rectangles of tissue paper (black)
- 8" 1/16" cord (purple)
- Felt (black) for nostrils and navel
- 1 ft. 1/16" wire (bronze)

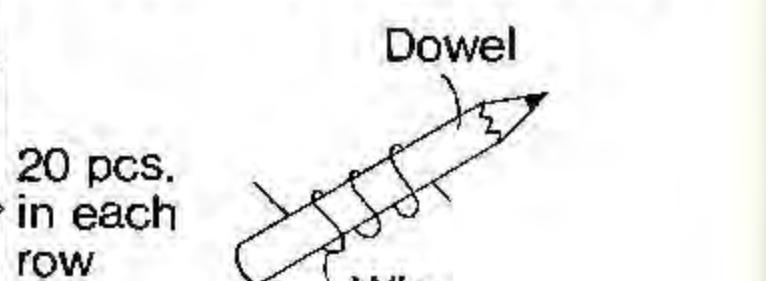
* 55 of 75 black pcs. are used to construct back of body. When folding these pieces, layer black tissue paper to give thickness.

* When folding pieces for rain hat as instructed on P.29, cut rectangles lengthwise in half, omit the first folding, and start from Step 2.

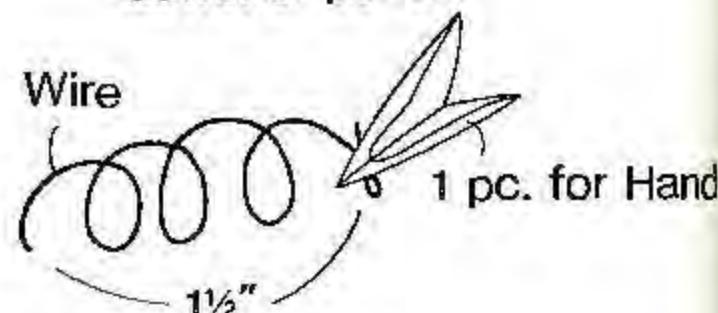


▼ Pale green
▼ Yellow
▼ Black

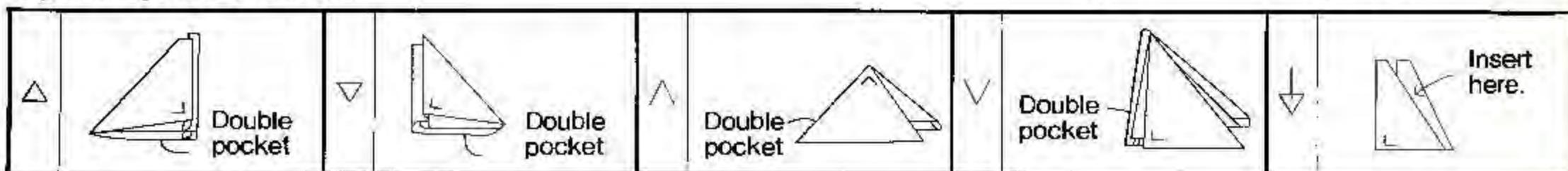
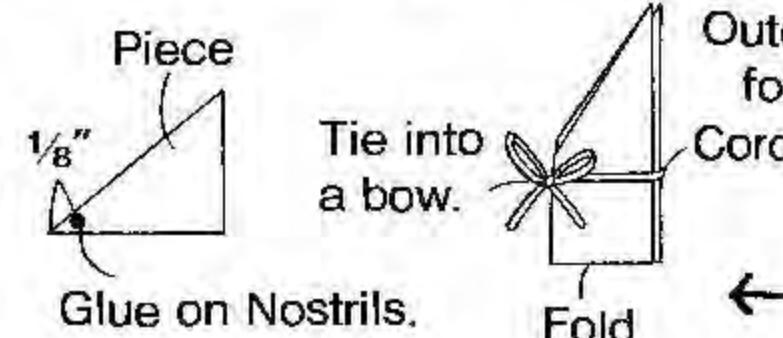
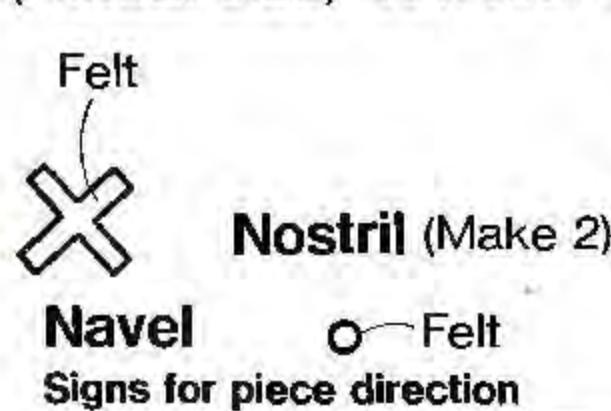
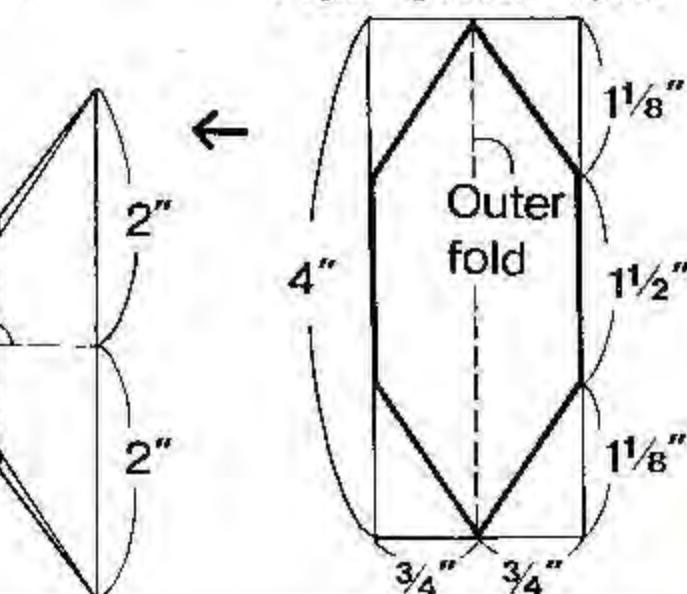
How to make Arms



Wind wire around dowel or pencil.



Hair ornament



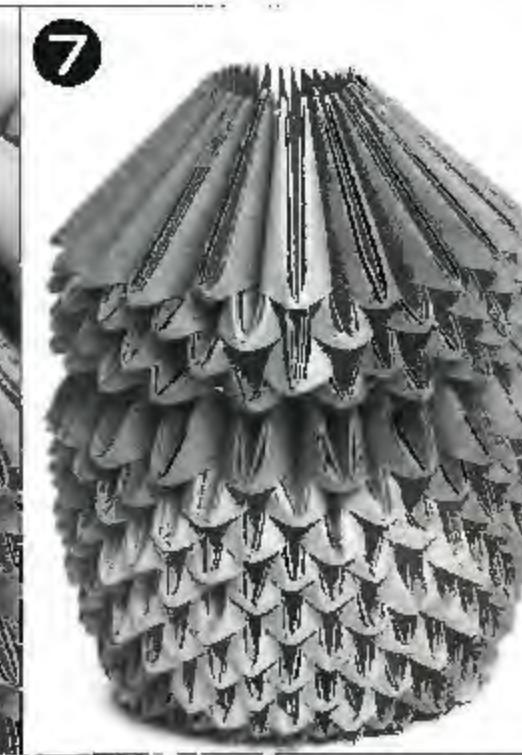


Apply a dab of glue on single points of 5-6 pcs., and paste them together. Repeat to make this set until 20 pcs. are used.

Paste each other and join into a circle of 20 pcs. (Row 1).

Row 2: Insert adjoining points of Row 1 into double pocket of a piece, double points facing up. Continue all around.

Rows 3-13: Continue joining the same number of pieces, altering color as directed on the opposite page.



Row 14: Shape neck by changing direction of pieces, the right angles facing outward.

Rows 15-17: Change direction of pieces again, and work as directed. Insert bill (yellow) into Row 17.

Row 18: Work in the same manner as the previous row, altering colors as directed.

Row 19: Make hair by joining 20 black pcs.



Row 20: Make rain hat by joining 20 yellow pcs.

Insert hair ornament into center back of Row 20.

Glue on eyes and felt nostrils. Glue felt navel onto Row 10.

Make arms and hands with wire and triangles, and insert into body.



#69 & #70 PENGUIN (P.25)

Completed size
4¾" wide, 6¼" high

Materials

- 304 2¾" × 4¼" rectangles of craft paper (black) [blue]
- 48 2¾" × 4¼" rectangles of craft paper (blue) [white]
- 7 2¾" × 4¼" rectangles of craft paper (yellow) [yellow]
- 3 2¾" × 4¼" rectangles of craft paper (black) [blue] for wing and feet
- 1 1¼" × 2¾" rectangle of craft paper (yellow) [yellow] for bill

#69 [#70]

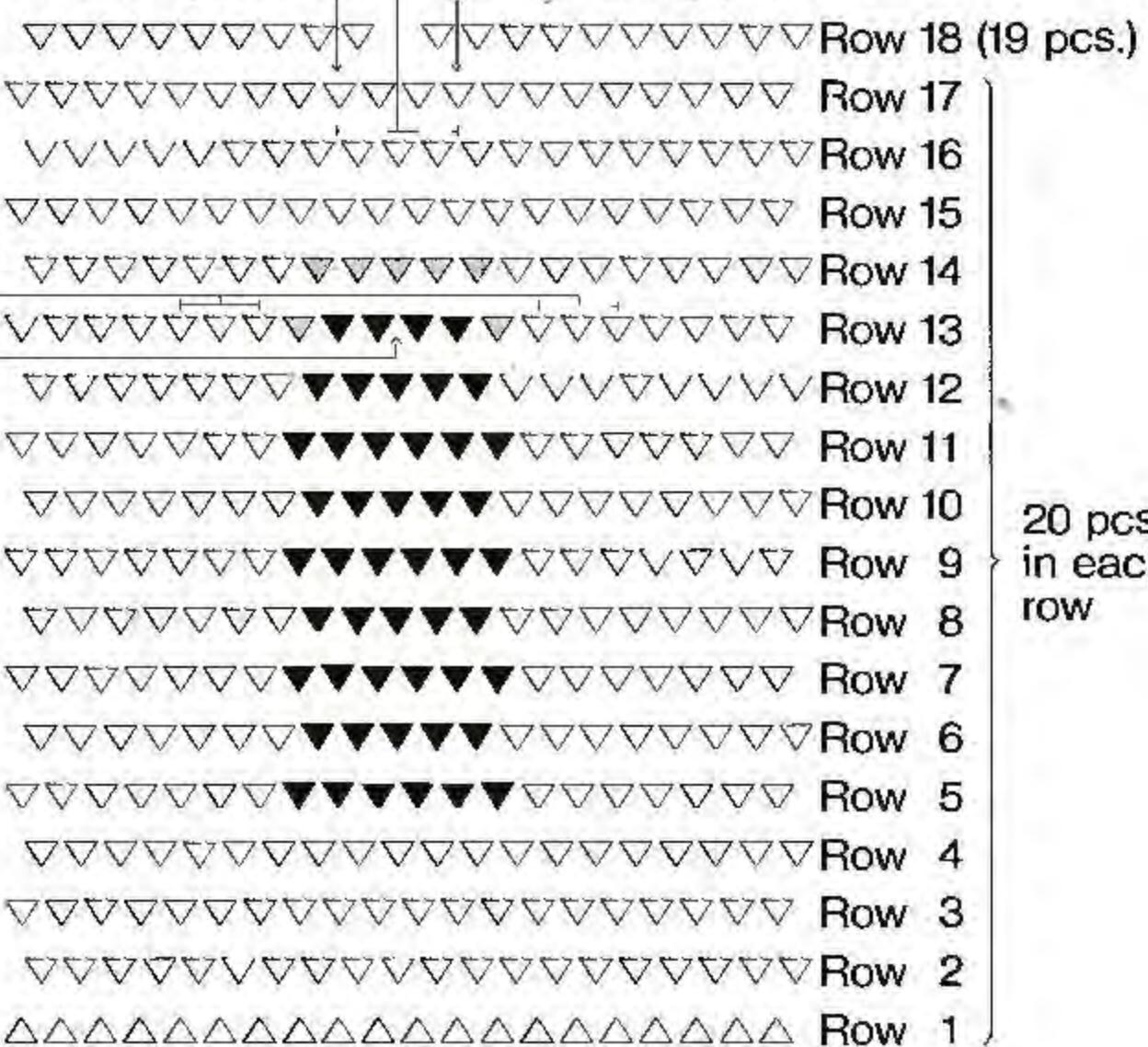
- (Following materials are for each item.)
- 4" ½" ribbon (red)
- 2 ½" diam. plastic eyes
- 1 straw hat for dolls

Bill attaching position

Eye attaching position

Eye attaching position

Body

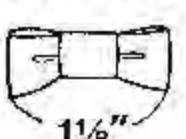


Center front

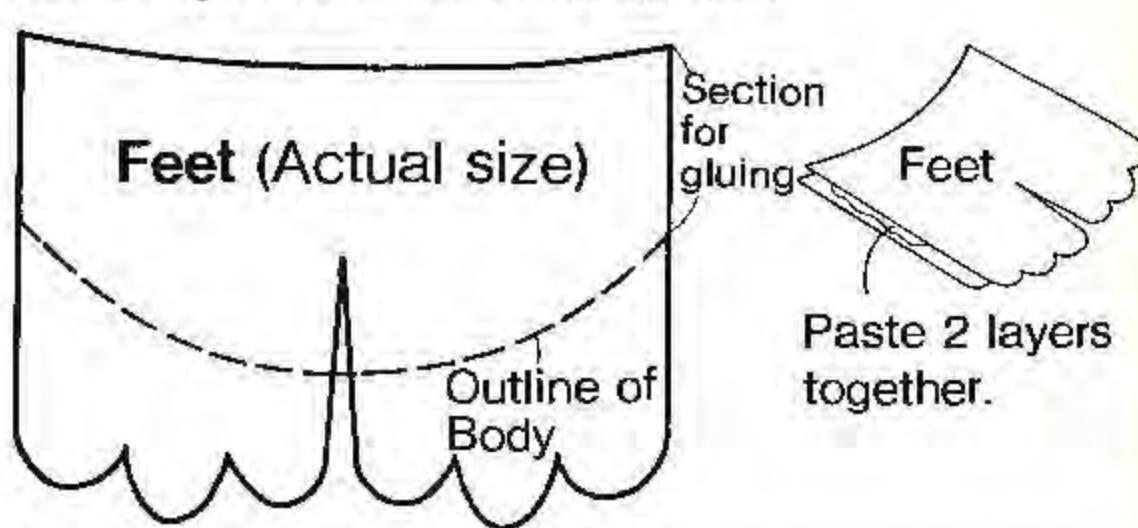
Paste 2 layers of sheets and cut out.

- ▽ Black for #69/Blue for #70
- ▼ Blue for #69/White for #70
- ▼ Yellow

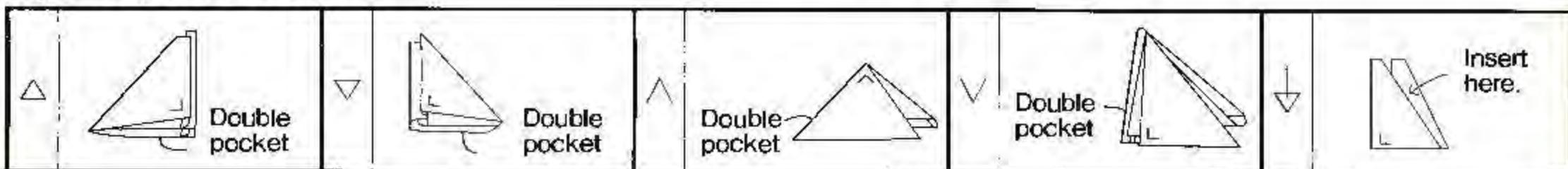
Bow tie



Feet (Actual size)



Signs for piece direction





Apply a dab of glue on single points of 5-6 pcs., and paste them together. Repeat to make this set until 20 pcs. are used.

Paste each other and join into a circle of 20 pcs. (Row 1).

Row 2: Insert adjoining points of Row 1 into double pocket of a piece, double points facing up. Continue all around.



Rows 3-18: Join 20 each pcs. in the same manner, altering colors as directed in the diagram.

Check the shape. Interlock so the top opening is as small as possible.

Glue on eyes and bow tie.



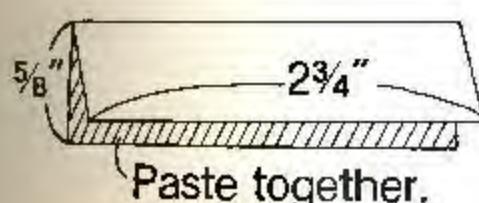
Make bill as directed below, and glue onto the indicated position.

Make wings and feet. Glue onto body.

Glue on straw hat to finish.

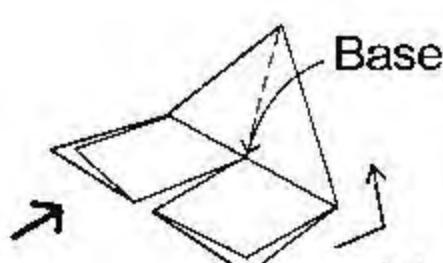
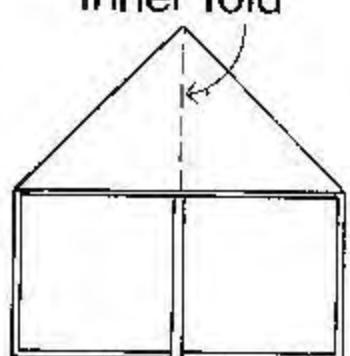
How to make Bill

Fold a $1\frac{1}{4}'' \times 2\frac{3}{4}''$ rectangular paper in half.



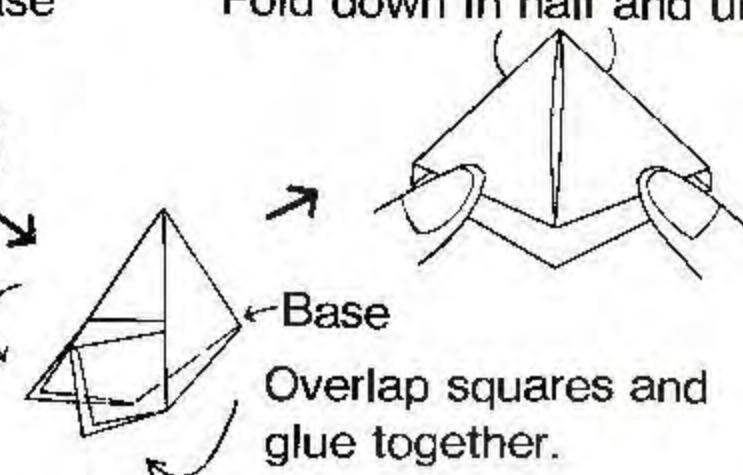
Paste together.

Inner fold



Fold down corners to meet at the center bottom, and secure upper half with glue.

Fold down in half and unfold.



Overlap squares and glue together.

#71 & #72 KITTEN (P.25)

Completed size
4" wide, 5½" high



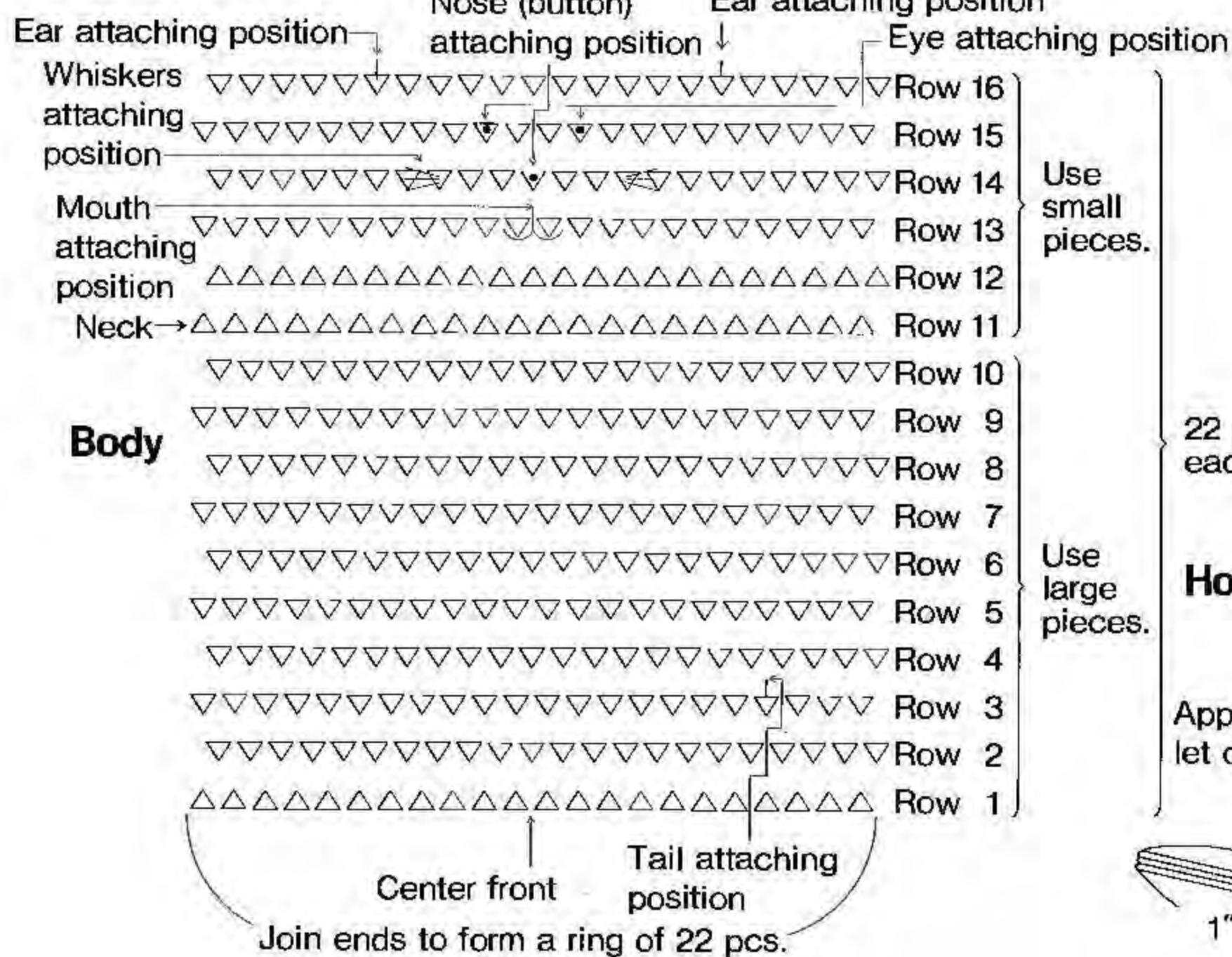
Materials

220 $2\frac{3}{8}'' \times 4\frac{1}{4}''$ rectangles of craft paper
134 $2'' \times 3\frac{1}{2}''$ rectangles of craft paper
 $1\frac{3}{4}'' \times \frac{3}{4}''$ rectangle of craft paper
6" wired tinsel

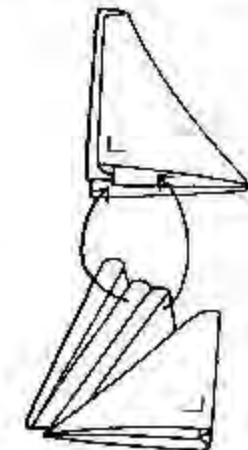
<#71> [H]

<yellow> [green]
<yellow> [green]
<black> [black] for ear
<yellow> [brown]

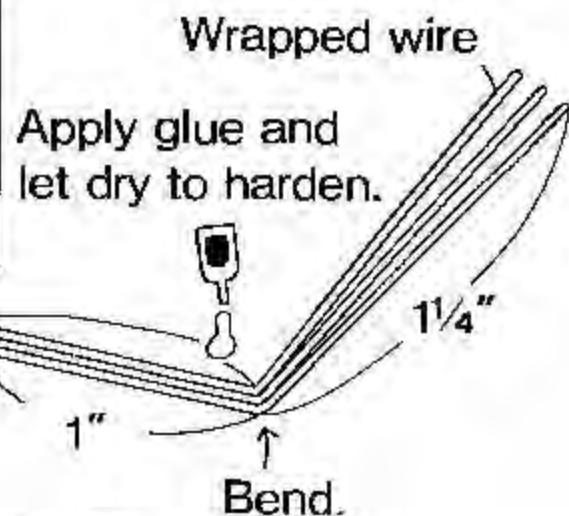
(Following materials are for each item.)
20" $\frac{1}{3}''$ ribbon (pink)
2 $1\frac{1}{2}''$ diam. plastic eyes
1 miniature bell
1½ ft. #28 wrapped wire (white, for whiskers)
1 $\frac{1}{3}''$ diam. button (black)



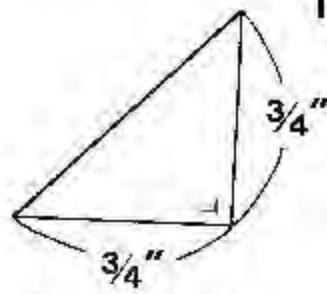
How to join a piece in Row 11



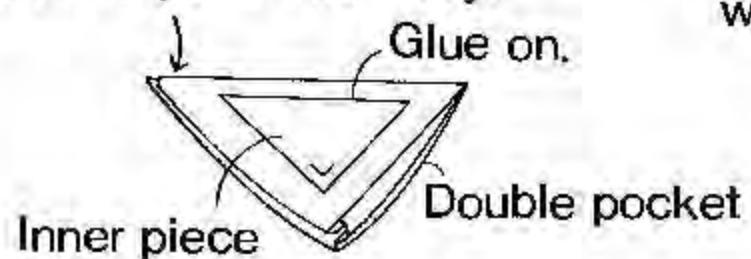
How to make Whiskers



How to make Ear

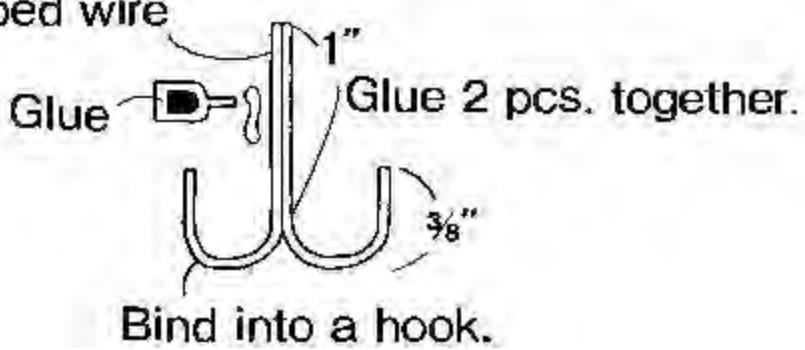


Insert this point into Body.



How to make Mouth

Use 2 pcs. of 2" long wrapped wire





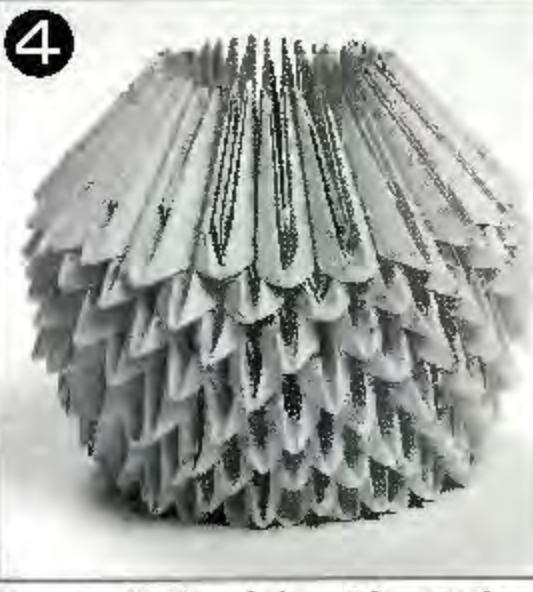
1
Apply a dab of glue on single points of 5-6 large pcs., and paste them together. Repeat to make this set until 22 pcs. are used.



2
Paste each other and join into a circle of 22 pcs. (Row 1).



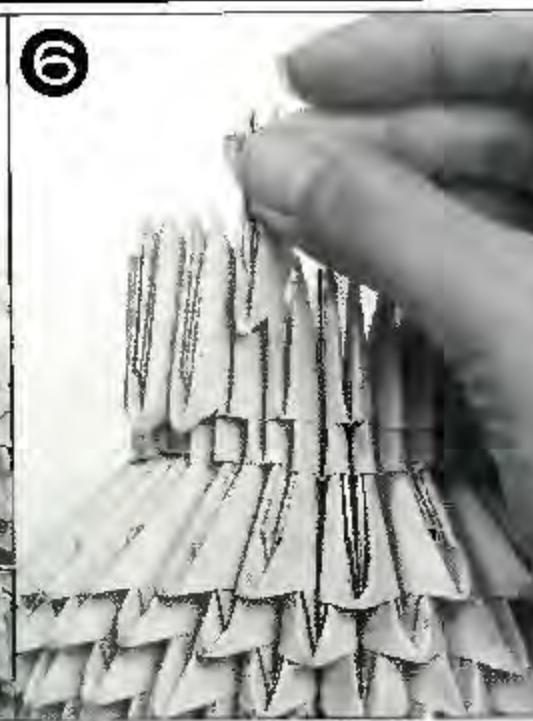
3
Row 2: Insert adjoining points of Row 1 into double pocket of a piece, double points facing up. Continue all around.



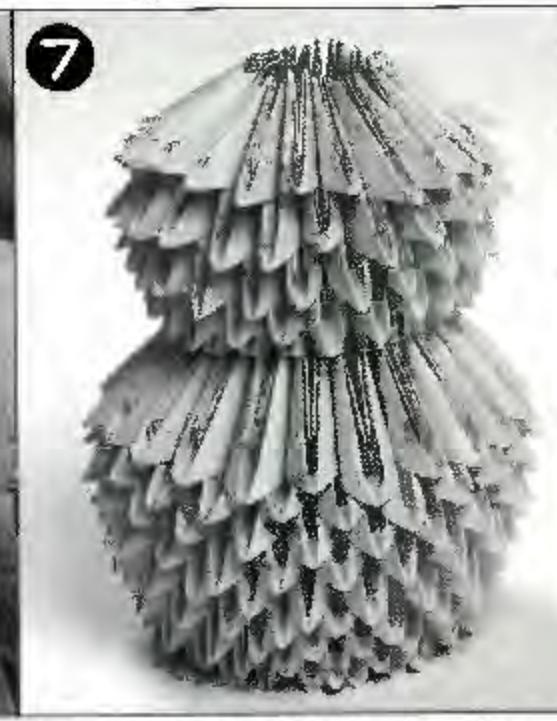
4
Rows 3-10: Join 22 each pcs. in the same manner.



5
Row 11: Using small pieces, shape neck by changing direction of pieces, so the right angles face outward.



6
Row 12: Work as for Row 11 with small pieces. Row 13: Change direction of pieces again.



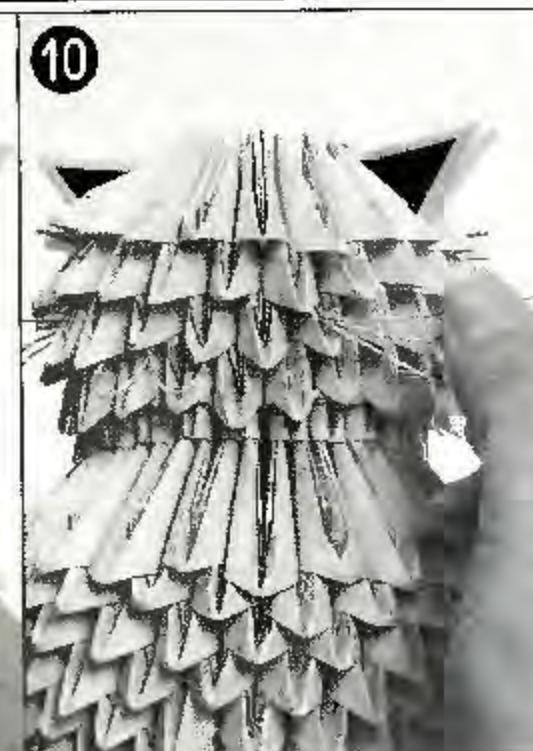
7
Rows 13-17: Work in the same manner with small pieces, shaping into a ball.



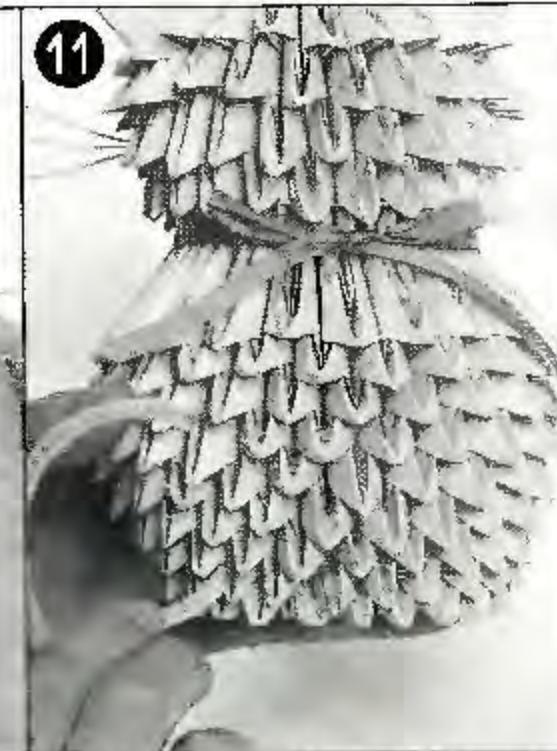
8
Make ears as directed and insert between 4th and 5th pcs. from center front of Row 17.



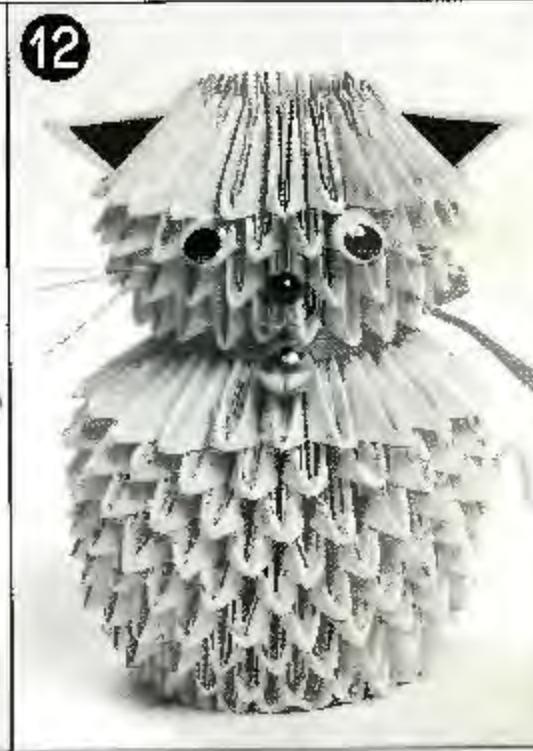
9
Make mouth with wire as directed, and insert into center front of Row 14.



10
Make 2 whiskers using wire, and insert into both sides of nose.



11
Attach bell onto center of ribbon, and tie around neck into a bow. Insert wired tinsel as tail.



12
Glue eyes and nose onto indicated positions.



Apply a dab of glue on single points of 5-6 pcs., and paste them together. Repeat to make this set until 20 pcs. are used.

Paste all sets together and join into a circle of 20 pcs. (Row 1).

Row 2: Insert adjoining points of Row 1 into double pocket of a piece, double points facing up. Continue all around.

Rows 3-8: Join 20 each pieces in the same manner.



Row 9: Shape neck by changing direction of pieces.

Rows 10-12: Change direction of pieces again, and continue in the same manner.

Push in a beak piece (red) between center 2 pcs. of Row 12.

Row 13: Work in the same manner, using 20 pcs.



Shape ears by changing direction of pieces. Join 2 each pcs., sandwiching 1 pink piece.

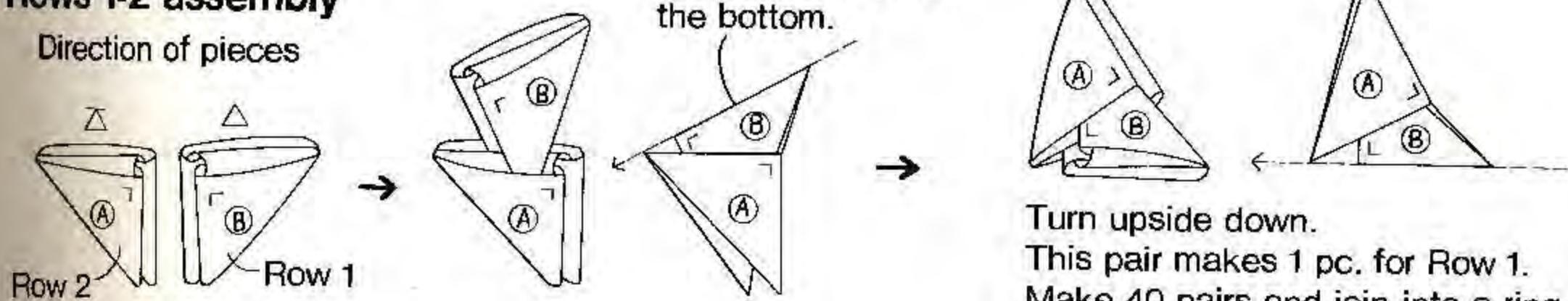
Rows 21-22: Join 1 pc. each, covering only the center 2 points.

Glue on eyes and nose. Make whiskers referring to the figure on the opposite page, and insert into the sides of lips.

Attach bow and bead wheel using a marking pin.

Rows 1-2 assembly

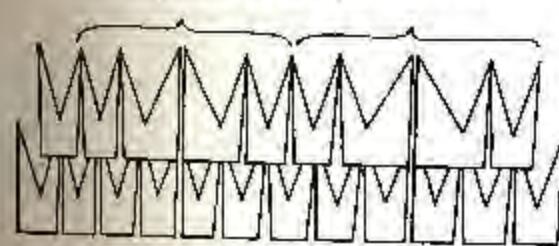
Direction of pieces



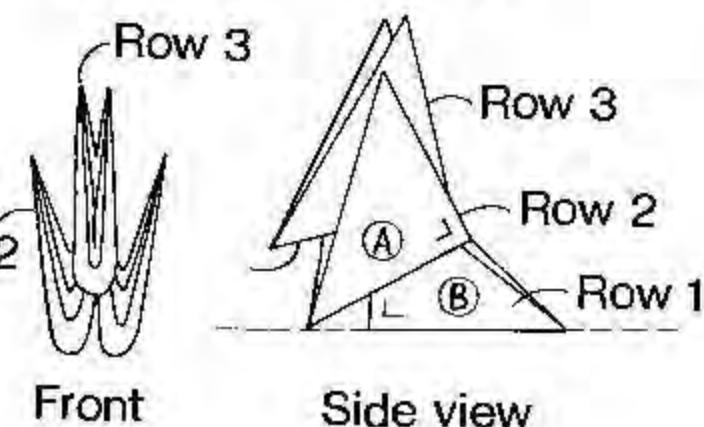
Turn upside down.
This pair makes 1 pc. for Row 1.
Make 40 pairs and join into a ring.

How to decrease number of pieces

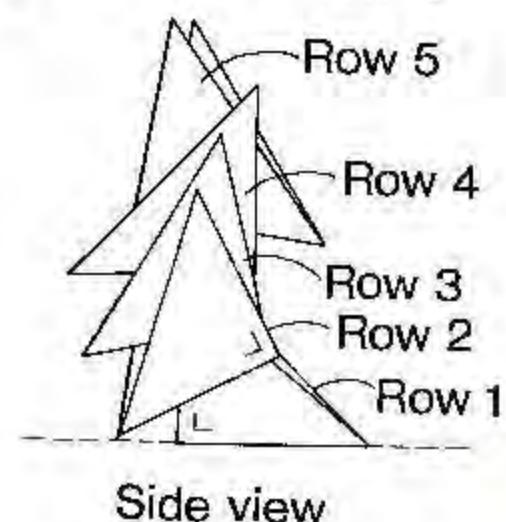
Repeat this pattern.



Row 3 assembly

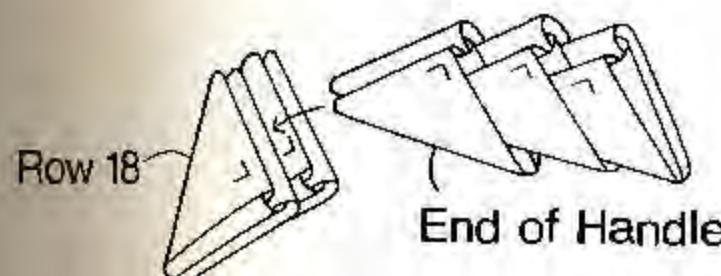


Row 5 assembly

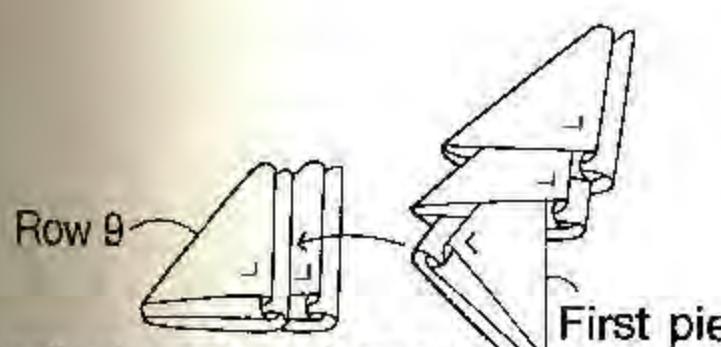


Handle (20 pcs.)

How to attach Handle

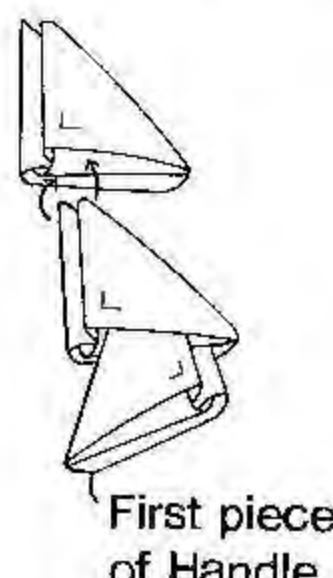


Apply glue onto points and insert between pieces.



Apply glue onto points and insert between pieces.

Handle assembly

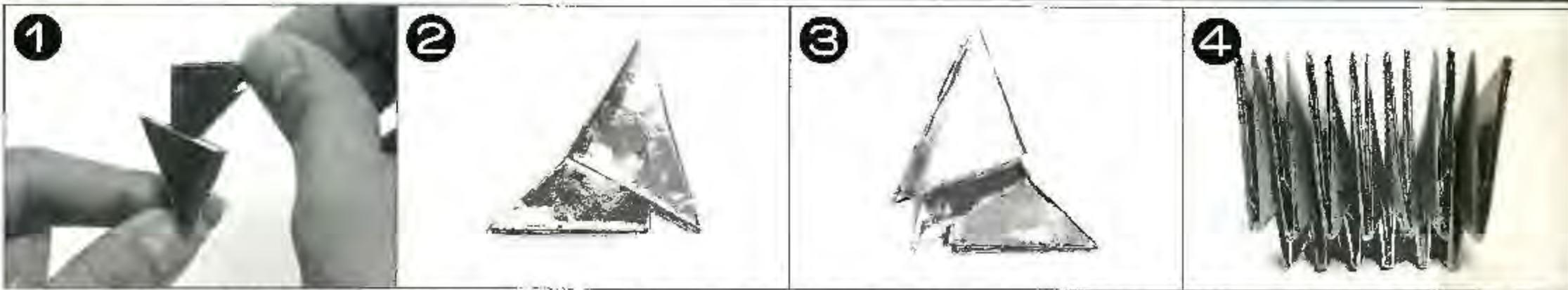


Handle
(Actual size)

(Make 2)

Shape according to the pattern (right)
First piece of Handle

#55-#56 METALLIC URN (P.22)



Make a 2-pc. set interlocked as directed overleaf. Repeat and prepare 40 sets.

Put a set upside down. This makes Row 1 and Row 2.

Showing the interlocking direction of a Row 3 piece.

Join a pair of set by inserting adjoining points into a new piece.

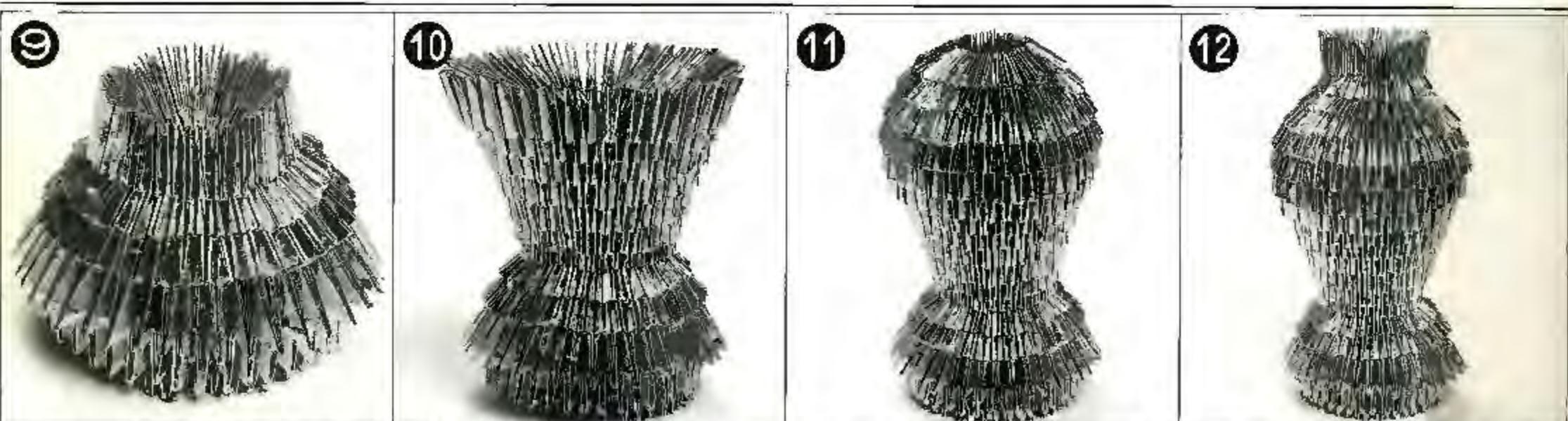


Continue to join all 40 sets, into a ring.

Row 4: Work in the same manner, with 40 pcs.

Row 5: Change the direction of pieces, the right angles facing out.

Rows 5-6: Join pieces at an angle so the opening is $1\frac{3}{4}$ "-2" in diam., securing with glue.

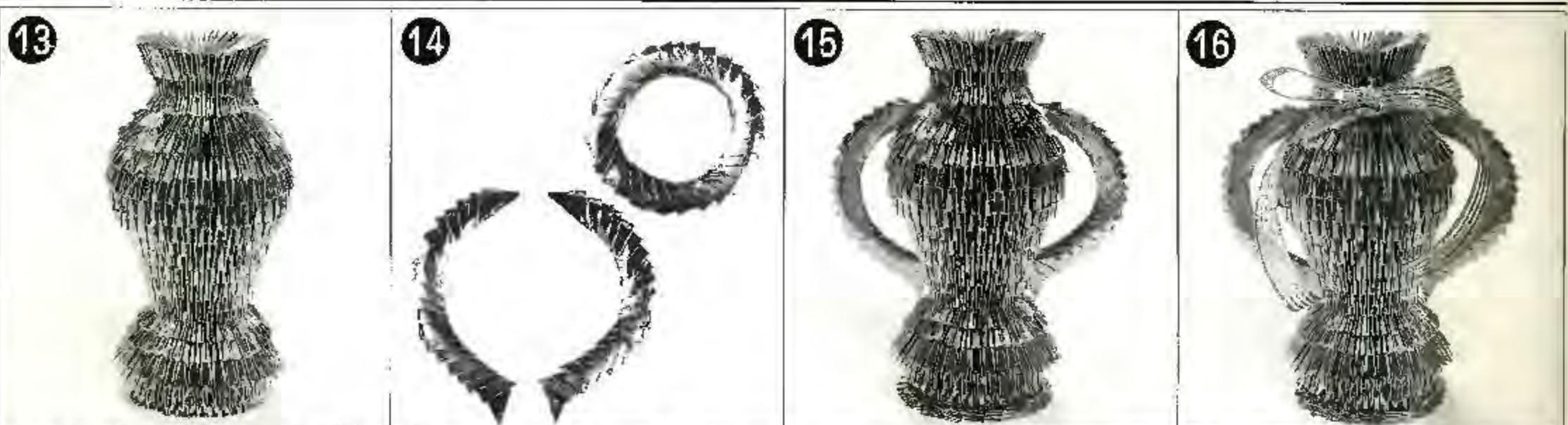


Row 7: Pieces are joined almost vertically.

Rows 8-13: Work in the same manner, this time expanding the diam. gradually.

Rows 14-18: Work in the same manner, reducing the diam.

Rows 19-20: Decrease the number of pieces to 32, referring to the figure overleaf.



Row 21: Work in the same manner, slightly enlarging the opening to form rim.

Make pedestal and handles as directed.

Attach handles to sides. Glue pedestal and the bottom of the URN together.

Tie a ribbon around the neck to finish.

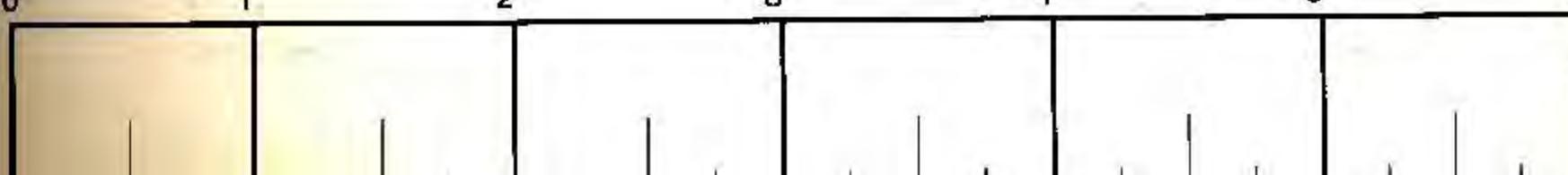


0 1 cm 2 cm 3 cm 4 cm 5 cm 6 cm 7 cm 8 cm 9 cm 10 cm 11 cm 12 cm 13 cm 14 cm 15 cm

Linear Measures

$$\text{inches} \times 2.54 = \text{centimeters}$$
$$\text{centimeters} \times 0.39 = \text{inches}$$

INCHES	CENTIMETERS (nearest equivalent)	INCHES	CENTIMETERS (nearest equivalent)
$\frac{1}{8}''$	$\frac{1}{4}$ cm	$4\frac{1}{4}''$	11 cm
$\frac{1}{4}''$	$\frac{3}{4}$ cm	$4\frac{3}{4}''$	12 cm
$\frac{3}{8}''$	1 cm	5"	13 cm
$\frac{1}{2}''$	$1\frac{1}{2}$ cm	$5\frac{1}{2}''$	14 cm
$\frac{5}{8}''$	2 cm	6"	15 cm
1"	$2\frac{1}{2}$ cm	$6\frac{1}{4}''$	16 cm
$1\frac{1}{8}''$	3 cm	7"	18 cm
$1\frac{1}{2}''$	4 cm	8"	20 cm
$1\frac{3}{4}''$	$4\frac{1}{2}$ cm	9"	22 cm
2"	5 cm	10"	25 cm
$2\frac{3}{8}''$	6 cm	1 ft. 12"	30 cm
3"	$7\frac{1}{2}$ cm	$1\frac{1}{2}$ ft. 18"	45 cm
$3\frac{1}{2}''$	9 cm	20"	50 cm
4"	10 cm	2 ft. 24"	60 cm



0 1" 2" 3" 4" 5" 6"

US\$17.00

3D ORIGAMI

STEP-BY-STEP ILLUSTRATIONS



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