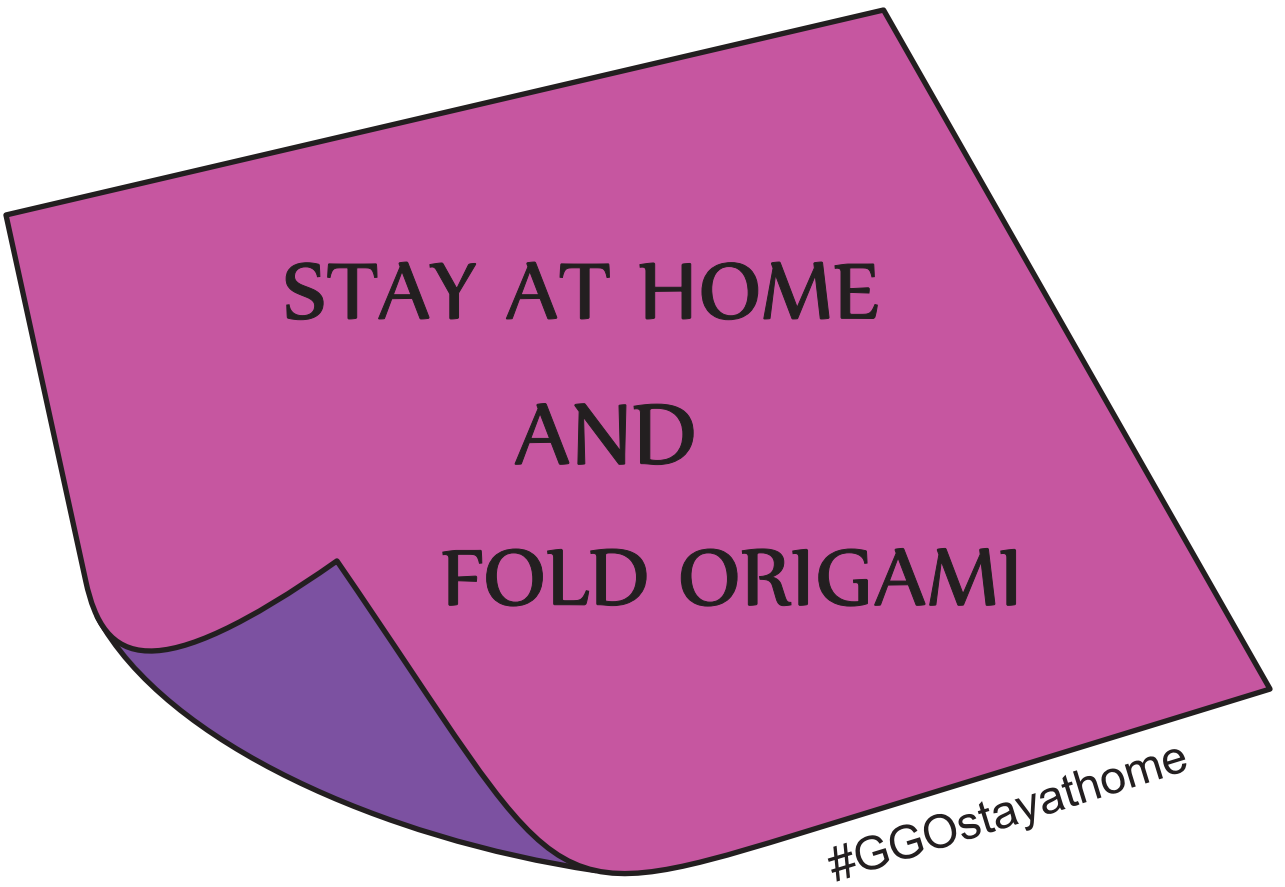
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Beata Kupczak

TESSELLATION ORCHID

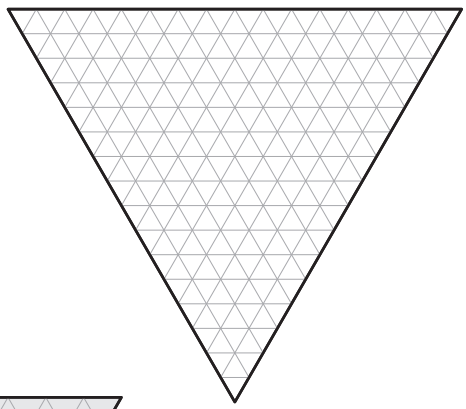
BEATA KUPCZAK, 2016

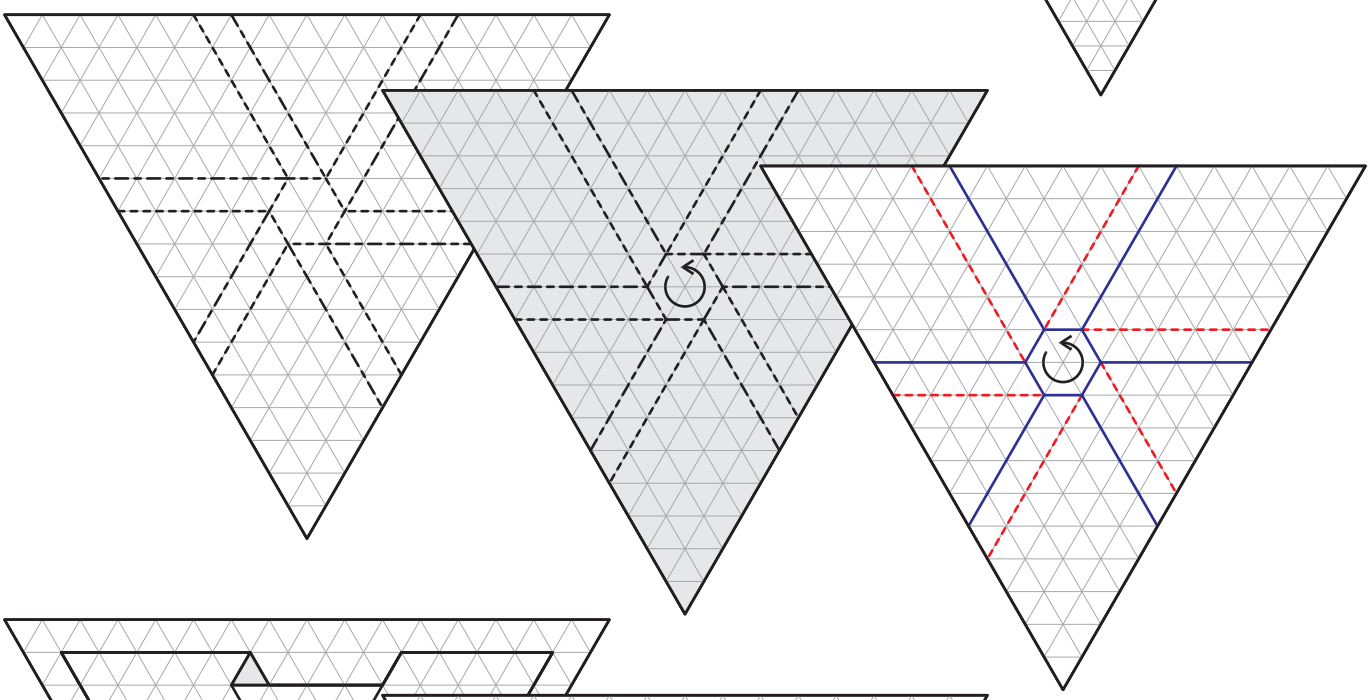
Diagram: ALESSANDRO BEBER, 2018

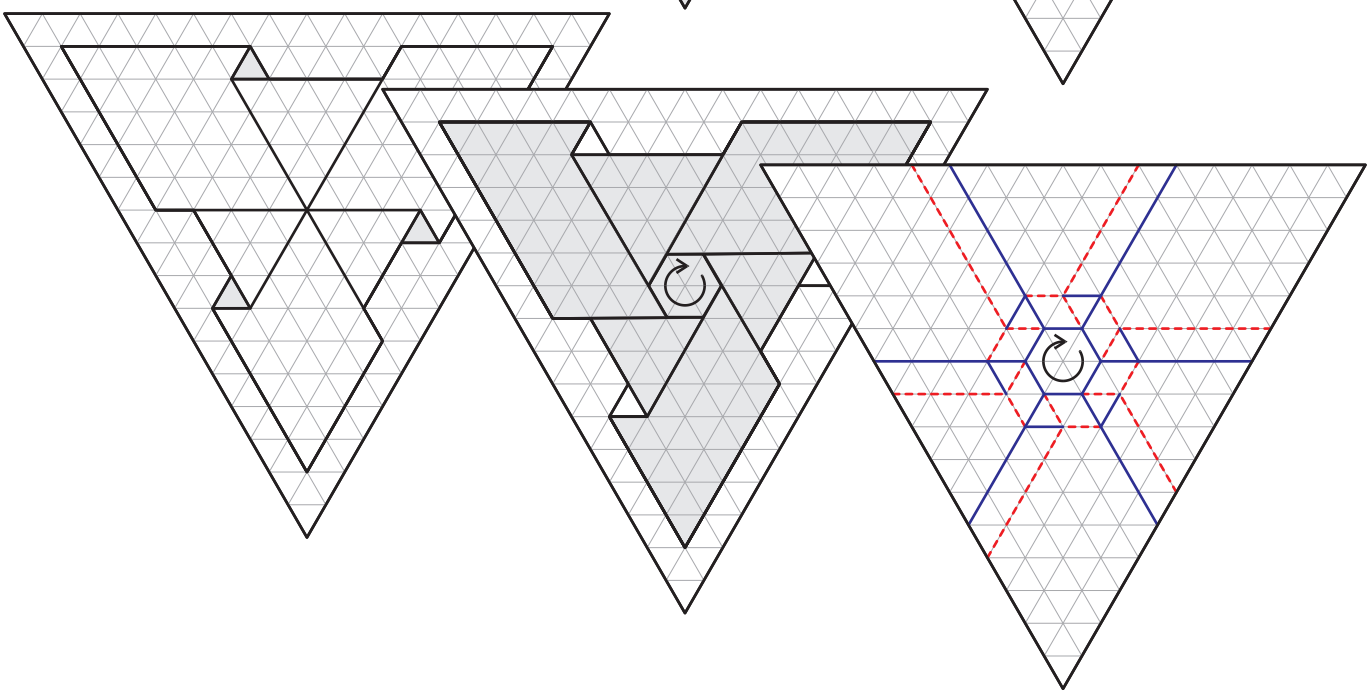


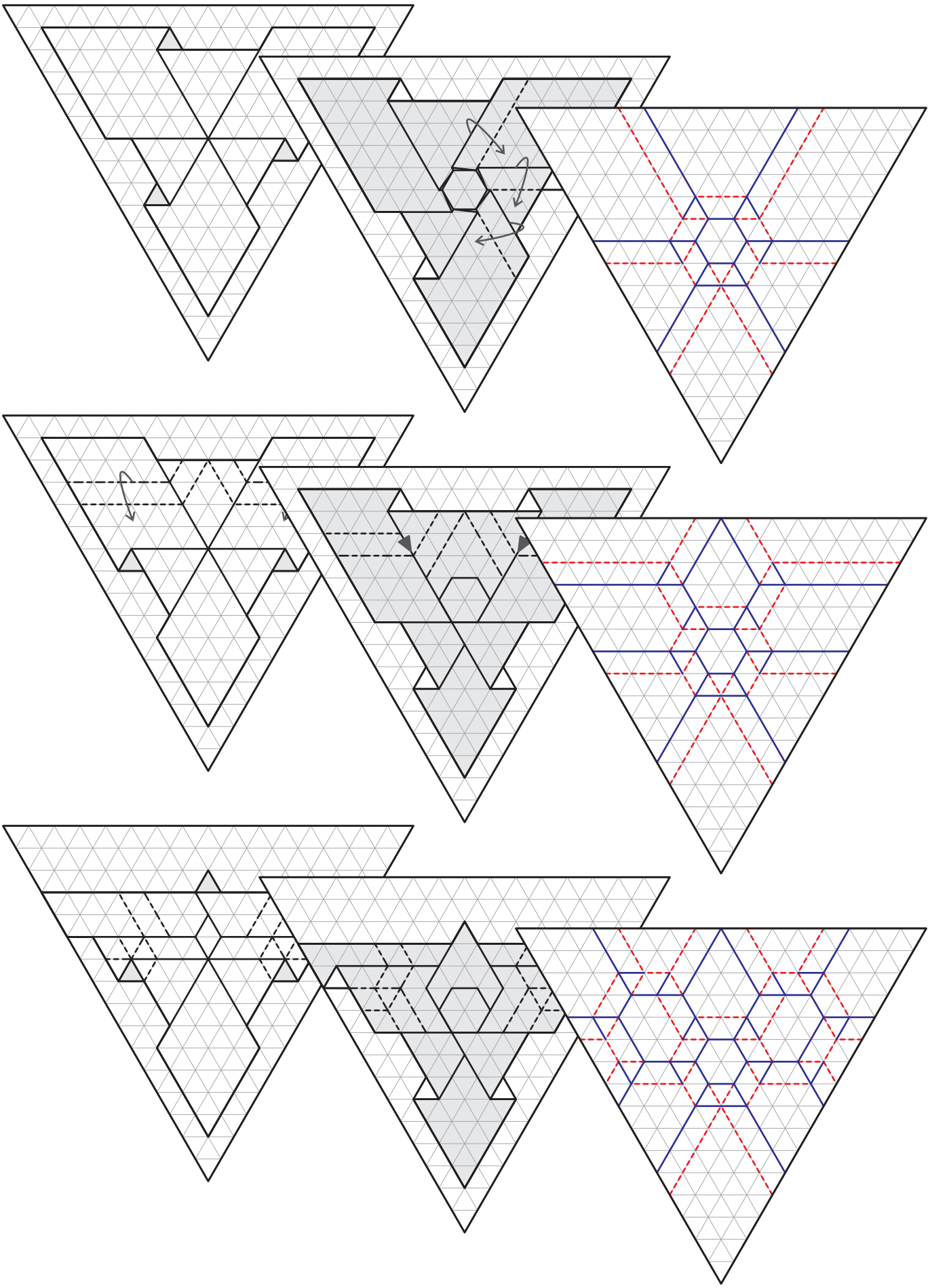
PAPER: any paper good for tessellations like EH, perl ones, kephera, hand made paper

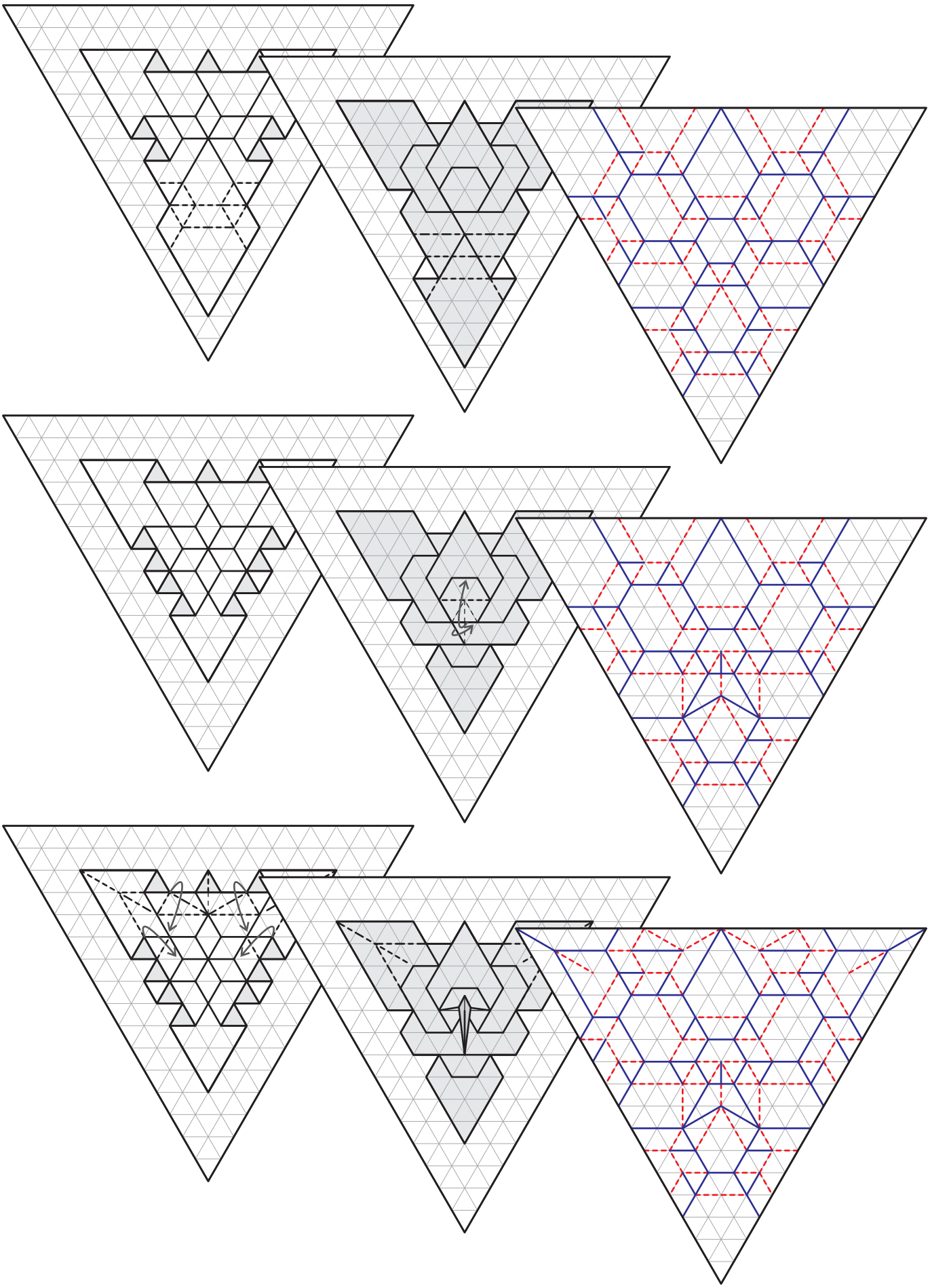
NOTE on DIAGRAMS: each group of three drawings represents a single step, as seen from the back, the front, and the unfolded sheet of paper (crease pattern).

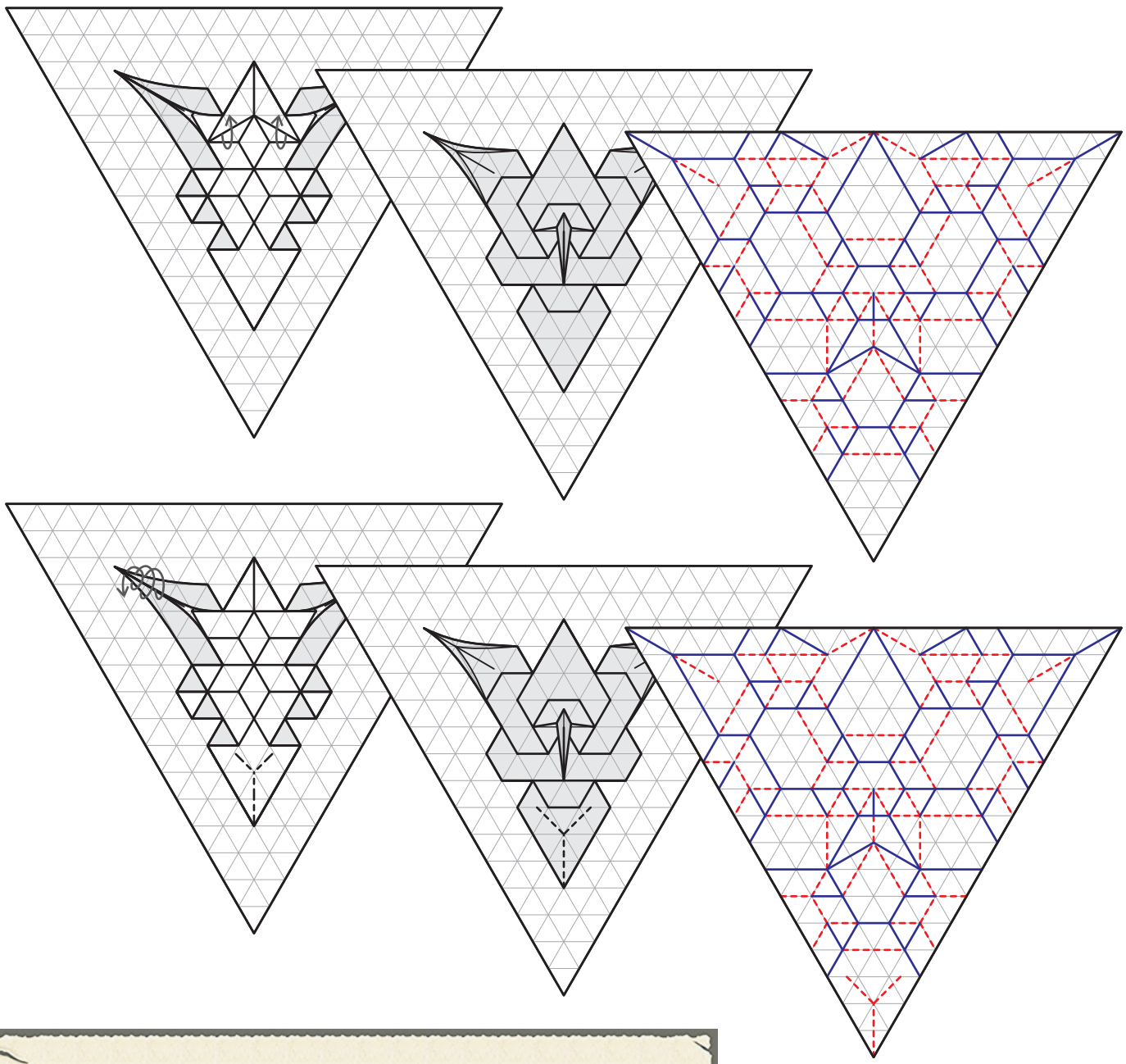










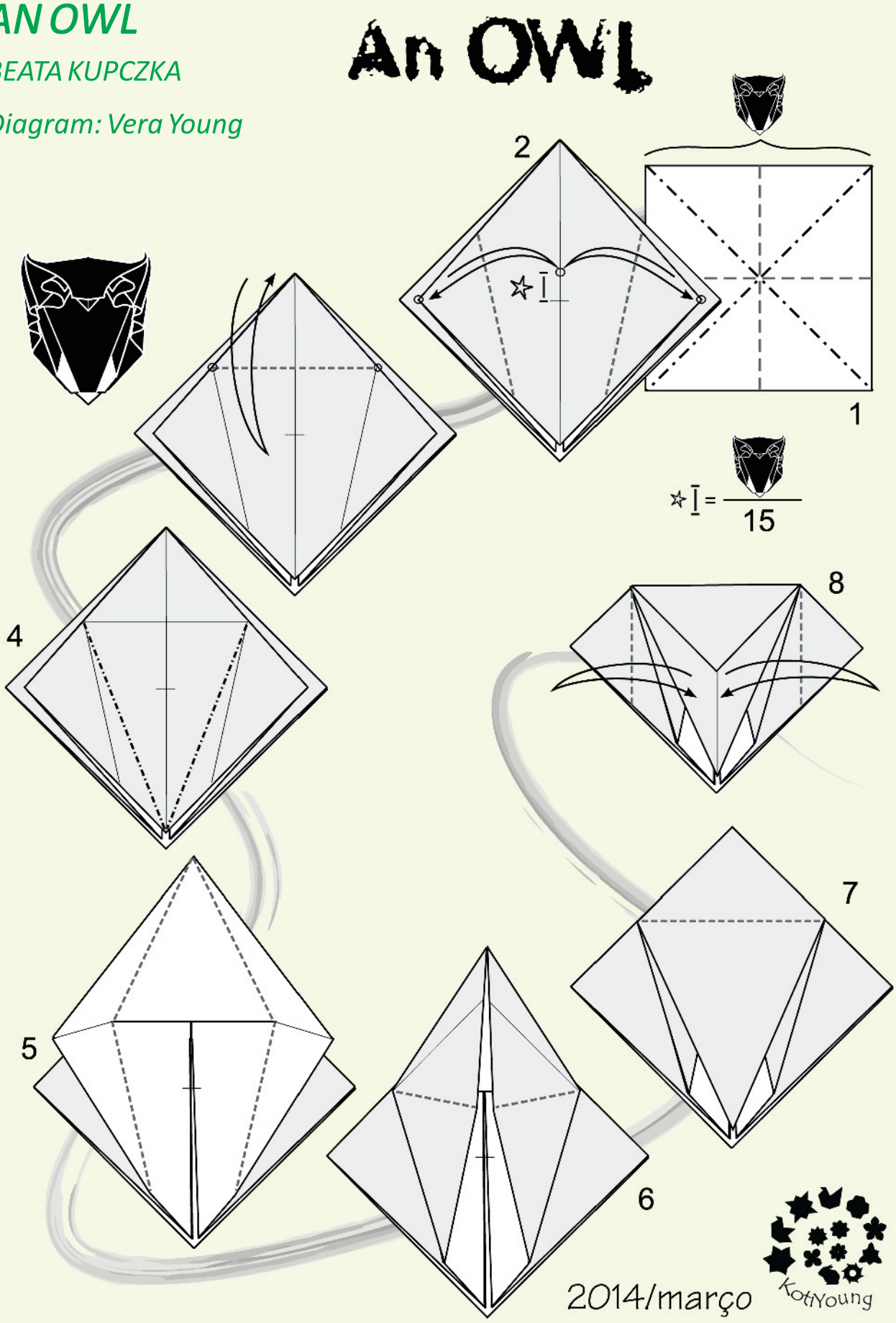


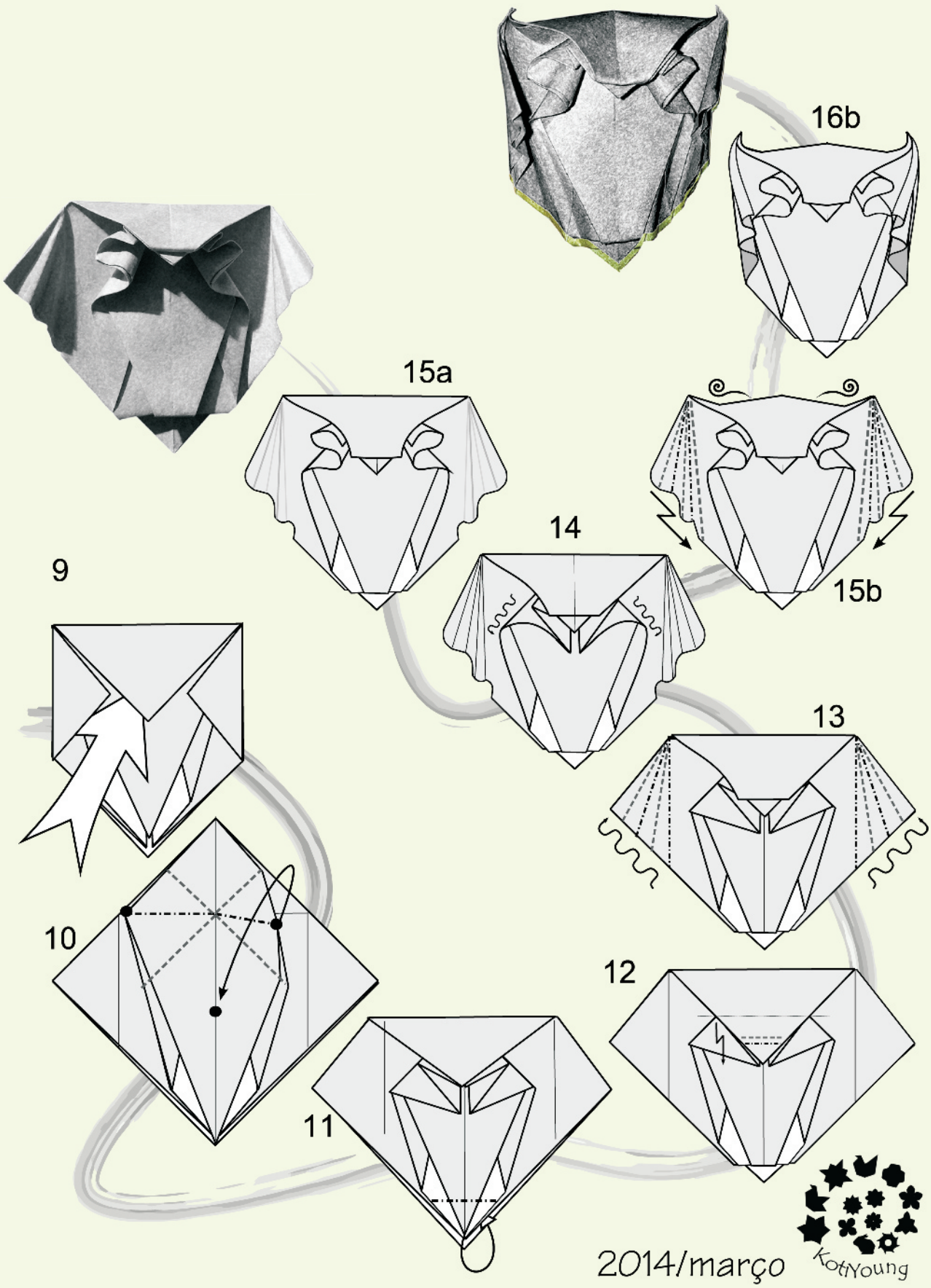


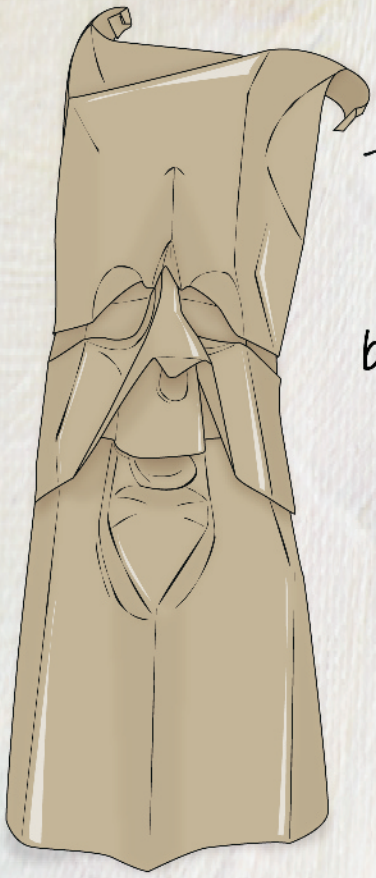
AN OWL

BEATA KUPCZKA

Diagram: Vera Young




16b
15a
15b
14
9
13
10
12
11
2014/março
KotiYoung



FUNNY TREE

by Beata Kupczak

10 x 25

1

Wet folding
Elephant Hide

2

3

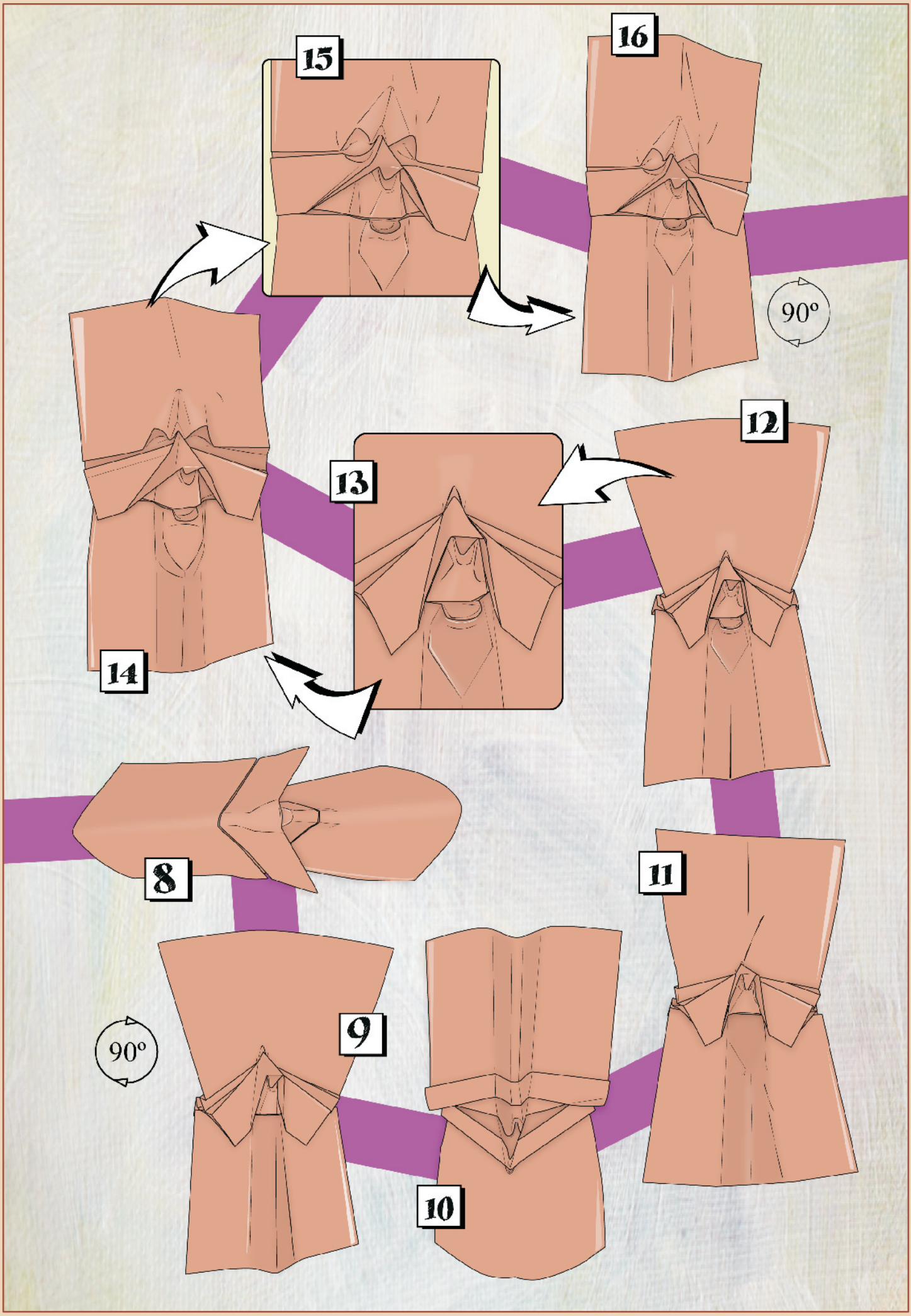
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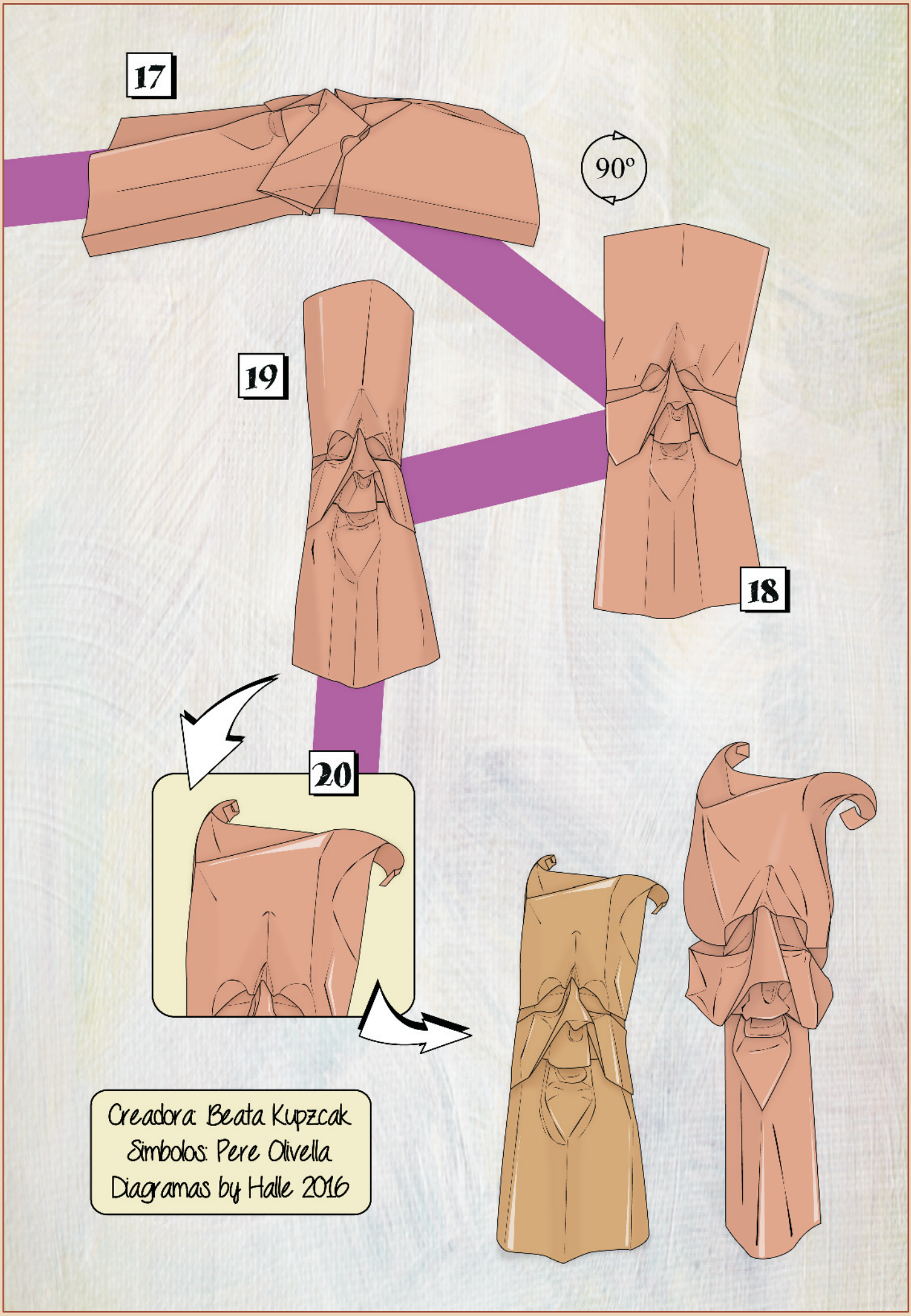
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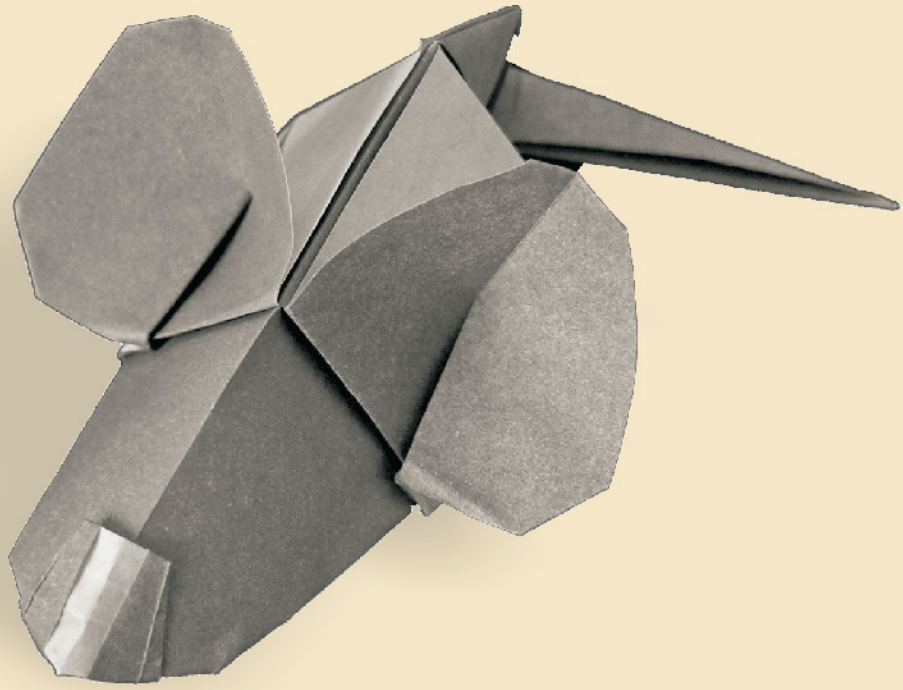
90°

6

7


15
16
90°
12
13
14
8
11
9
90°
10


17
90º
19
18
20
Creadora: Beata Kupzcak
Simbolos: Pere Olivella
Diagramas by Halle 2016



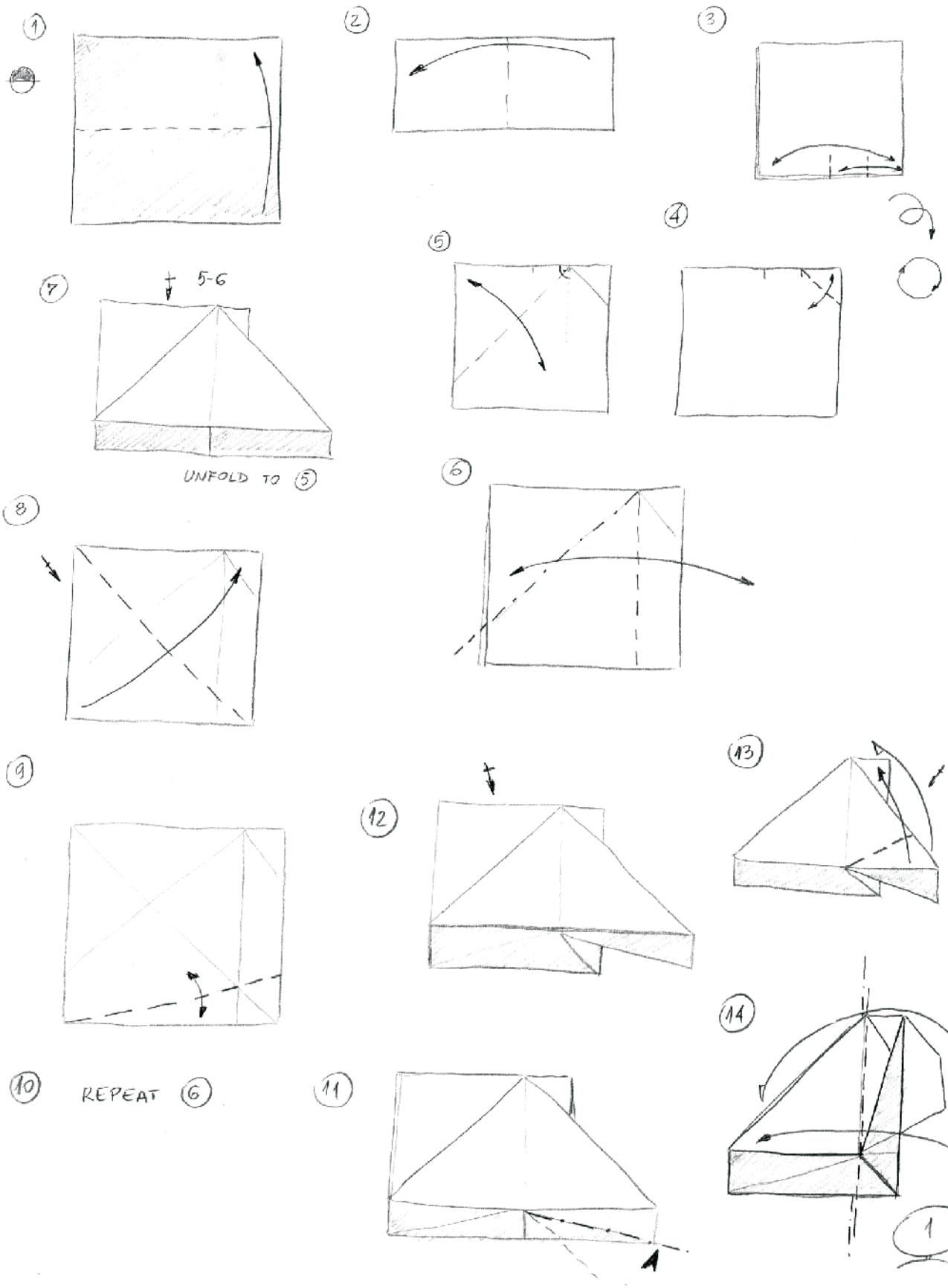
Blanka Pentela

DOG FOR A MEDAL

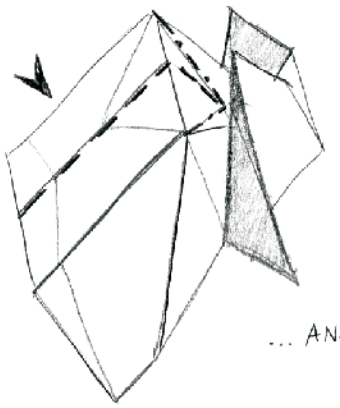
BLANKA PENTELA

MODEL: 18.08.2014
DIAGRAM: 8.02.2015

DESIGN: BLANKA PENTELA

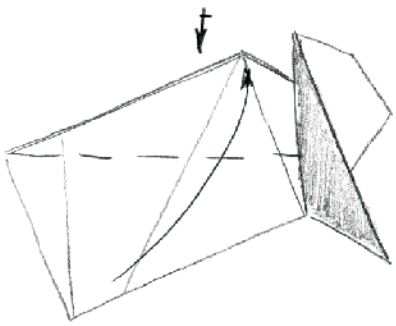


12 OPEN FROM THE INSIDE
TO GET 3D LIKE THIS:

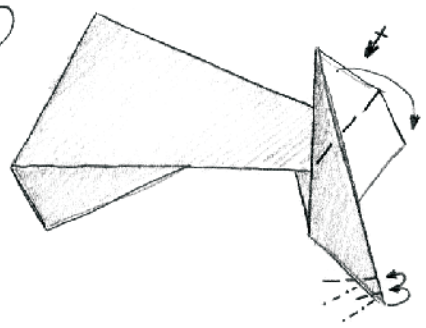


... AND FLATTEN

13

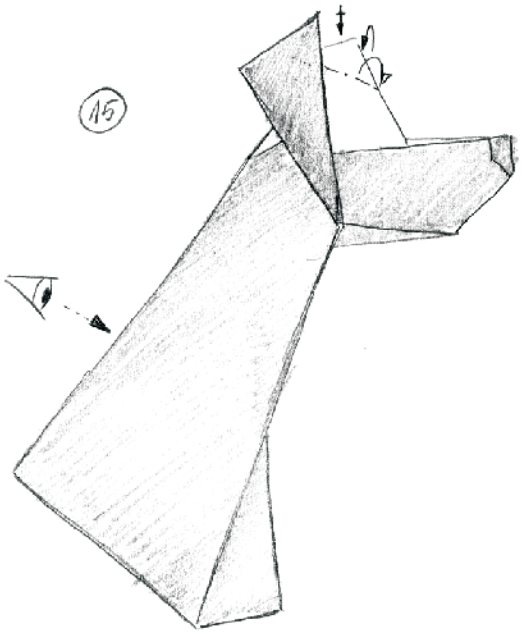


14

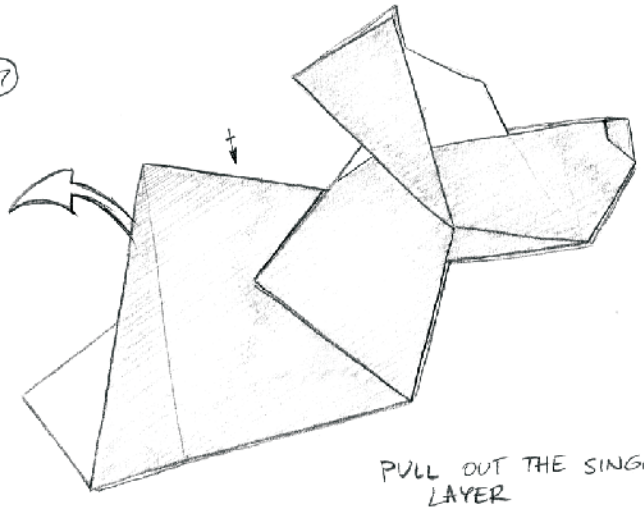


90°

15

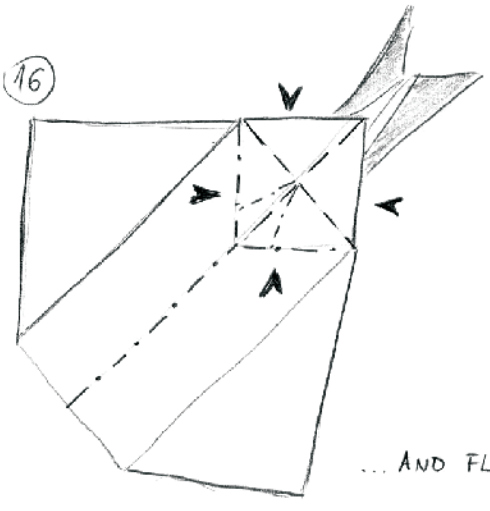


17



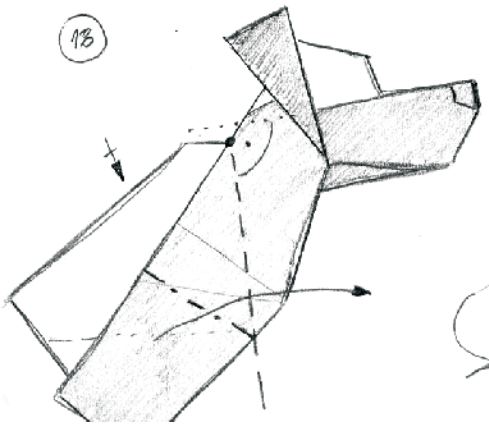
PULL OUT THE SINGLE LAYER

16

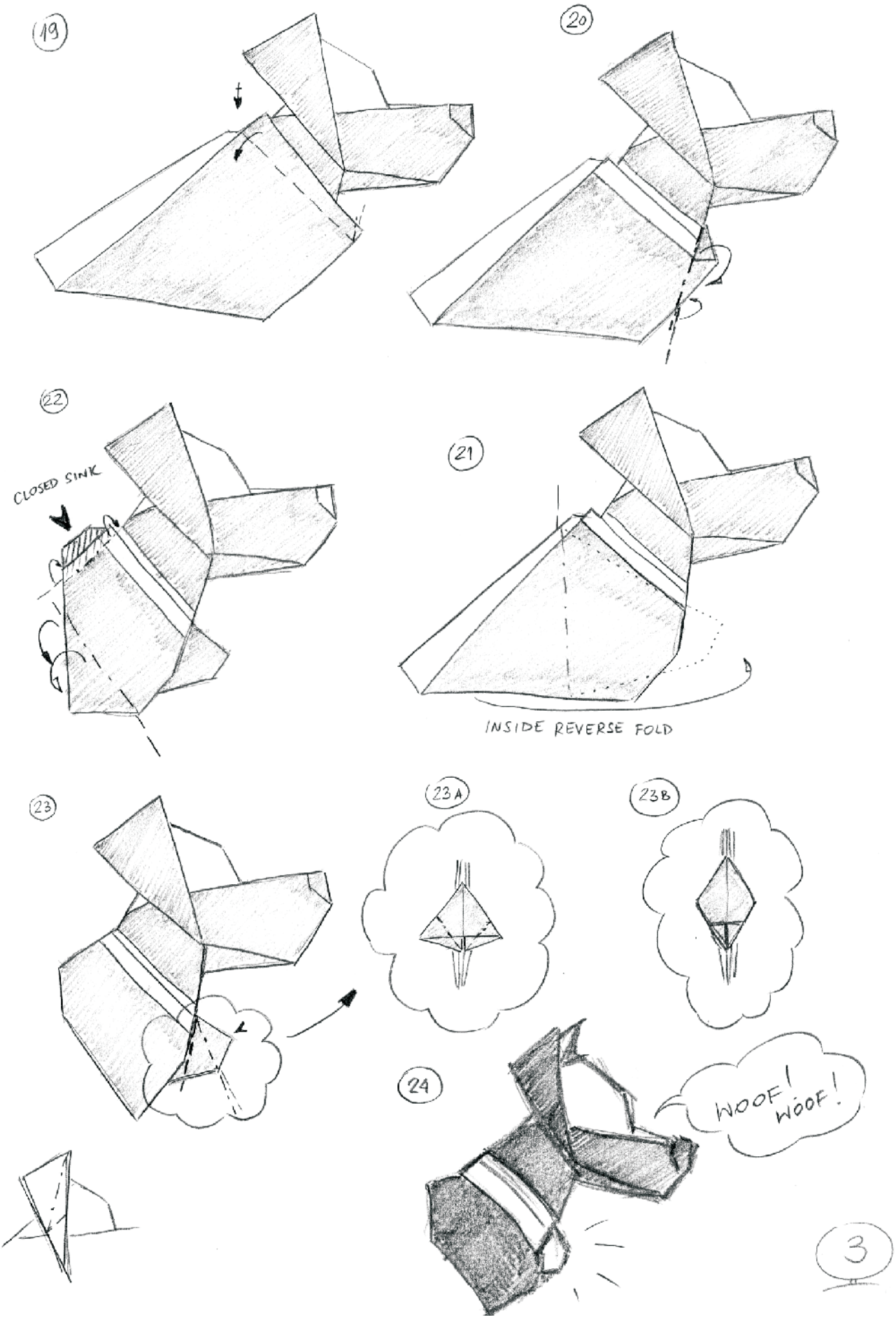


... AND FLATTEN.

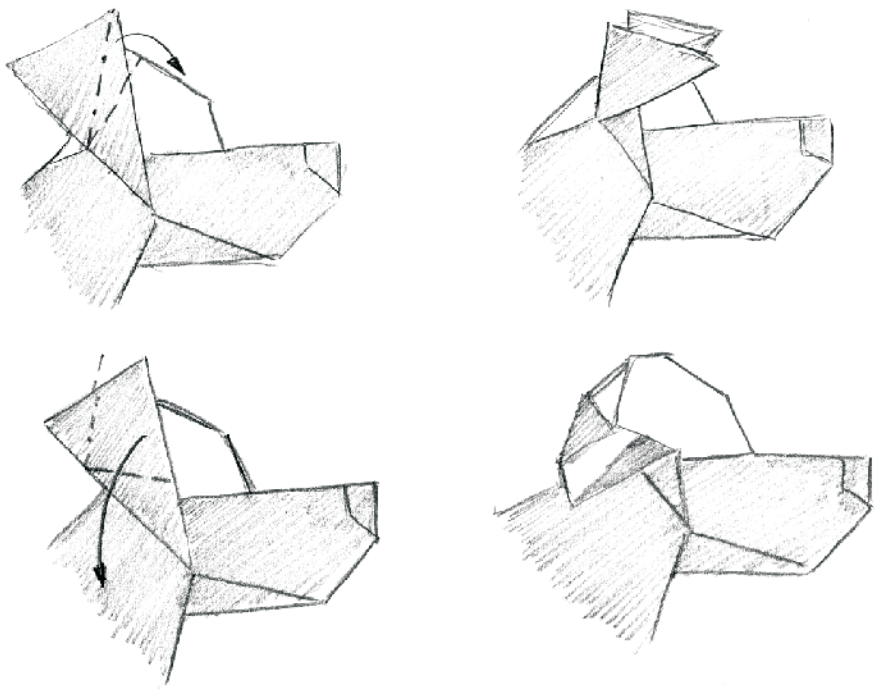
18



2


19
20
22
CLOSED SINK
21
INSIDE REVERSE FOLD
23
23A
23B
24
WOOF!
WOOF!
3

VARIATIONS OF EARS

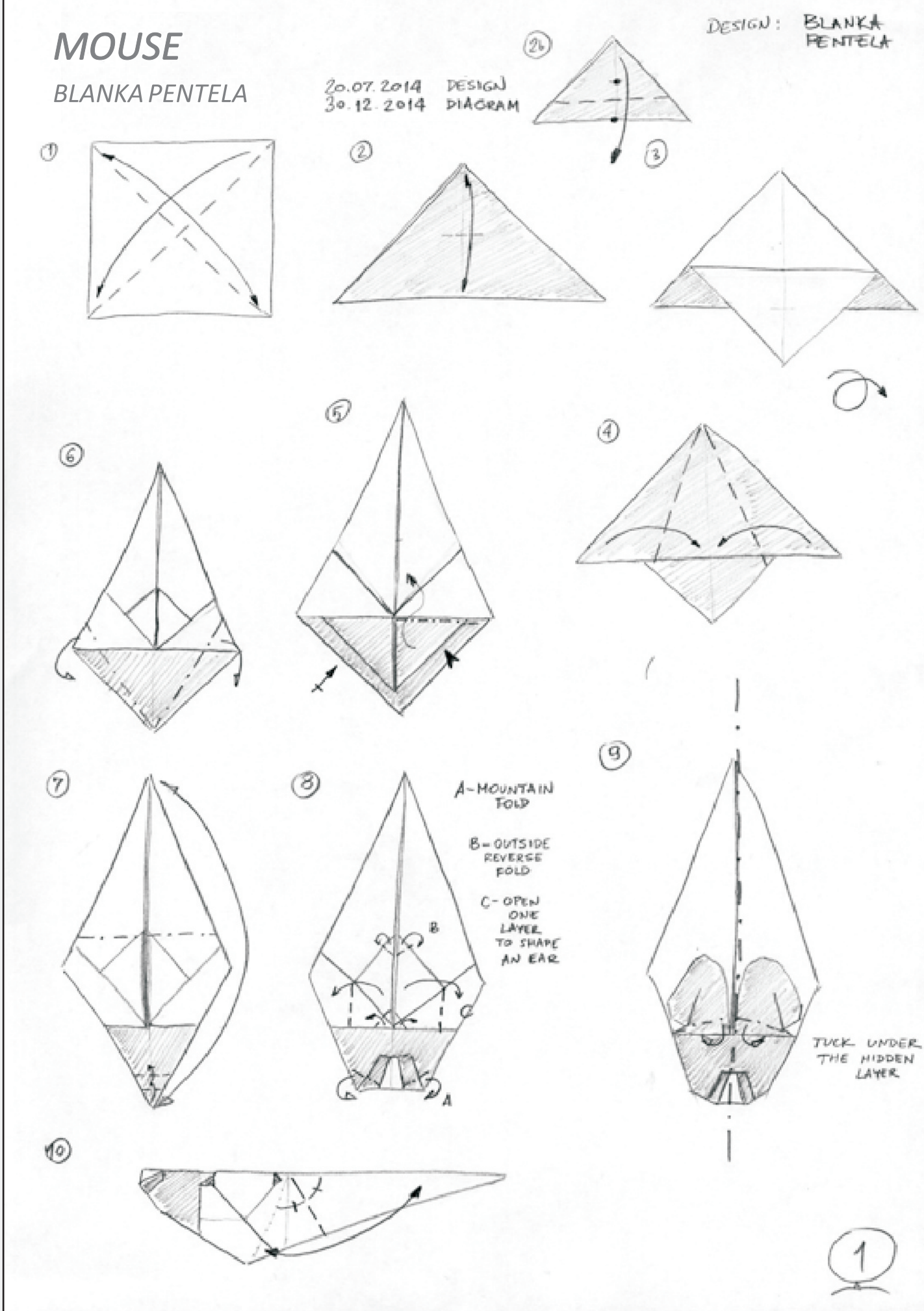




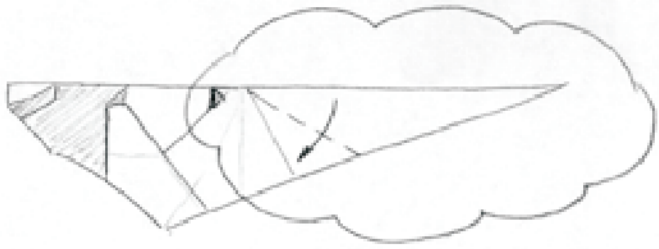
4

MOUSE

BLANKA PENTELA



11

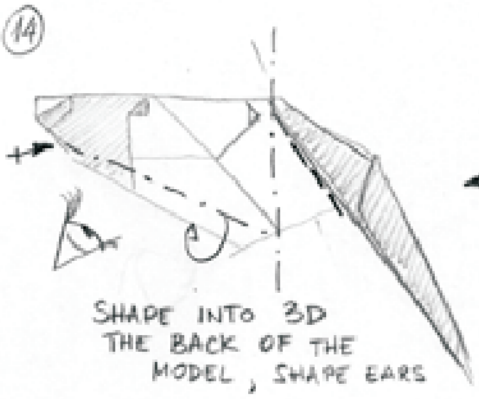


12



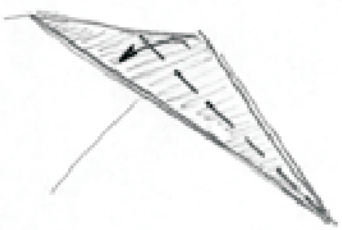
WRAP ONE LAYER FOR COLOUR CHANGE

14

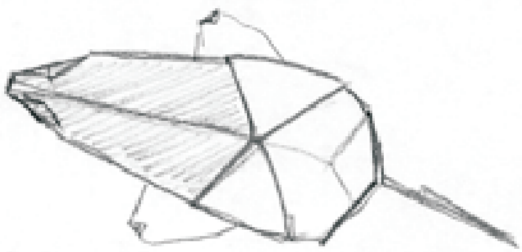


SHAPE INTO 3D THE BACK OF THE MODEL, SHAPE EARS

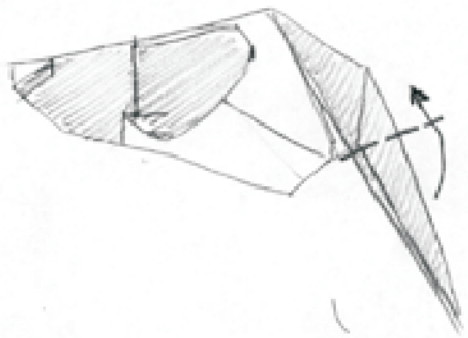
13



15 BOTTOM VIEW

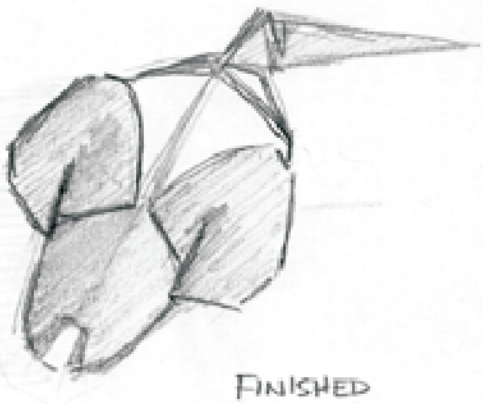


16 SIDE VIEW

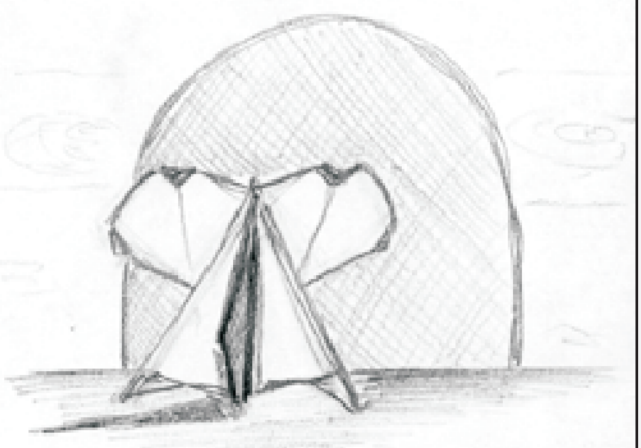


FOLD THE TAIL TO ASIDE

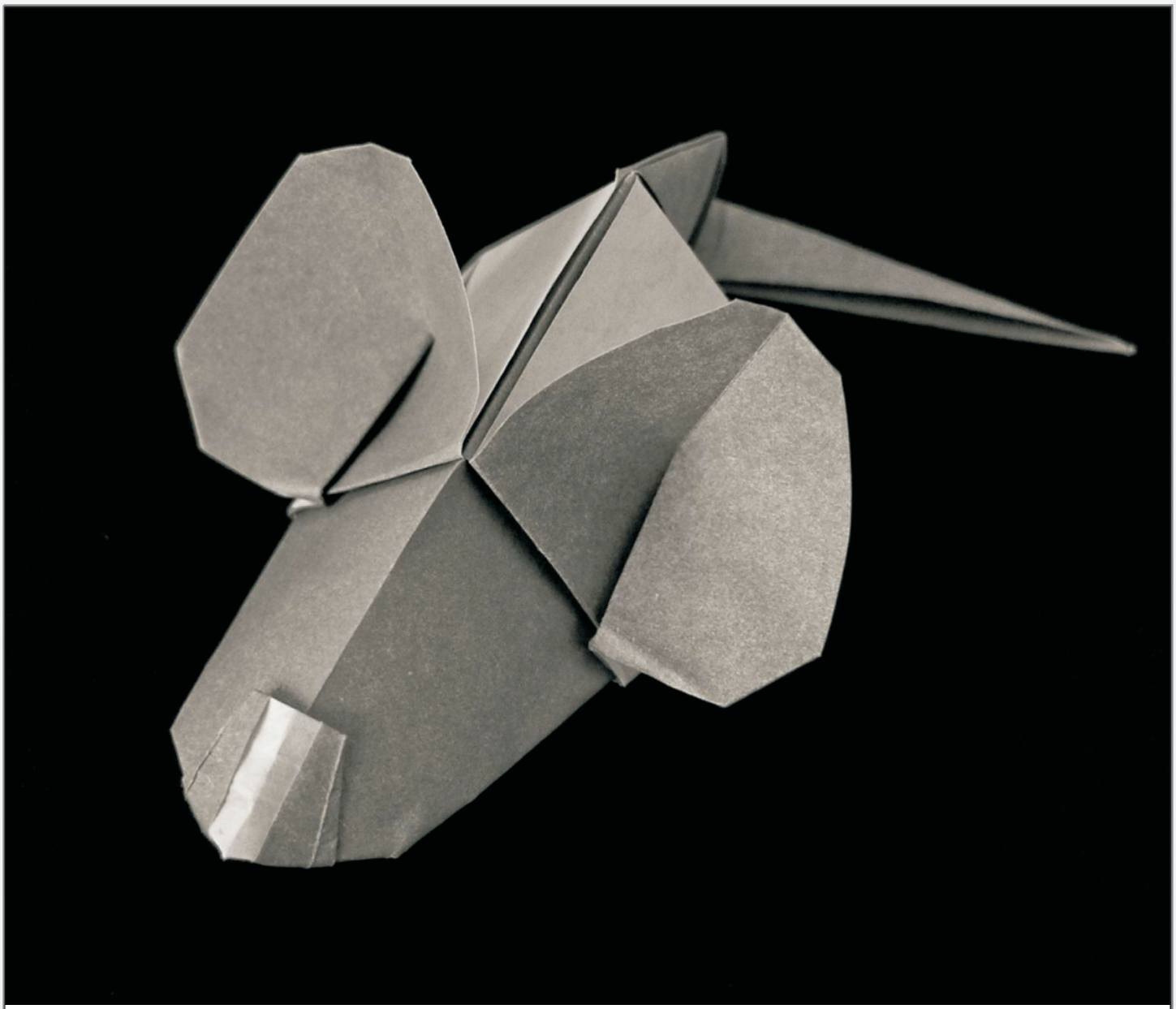
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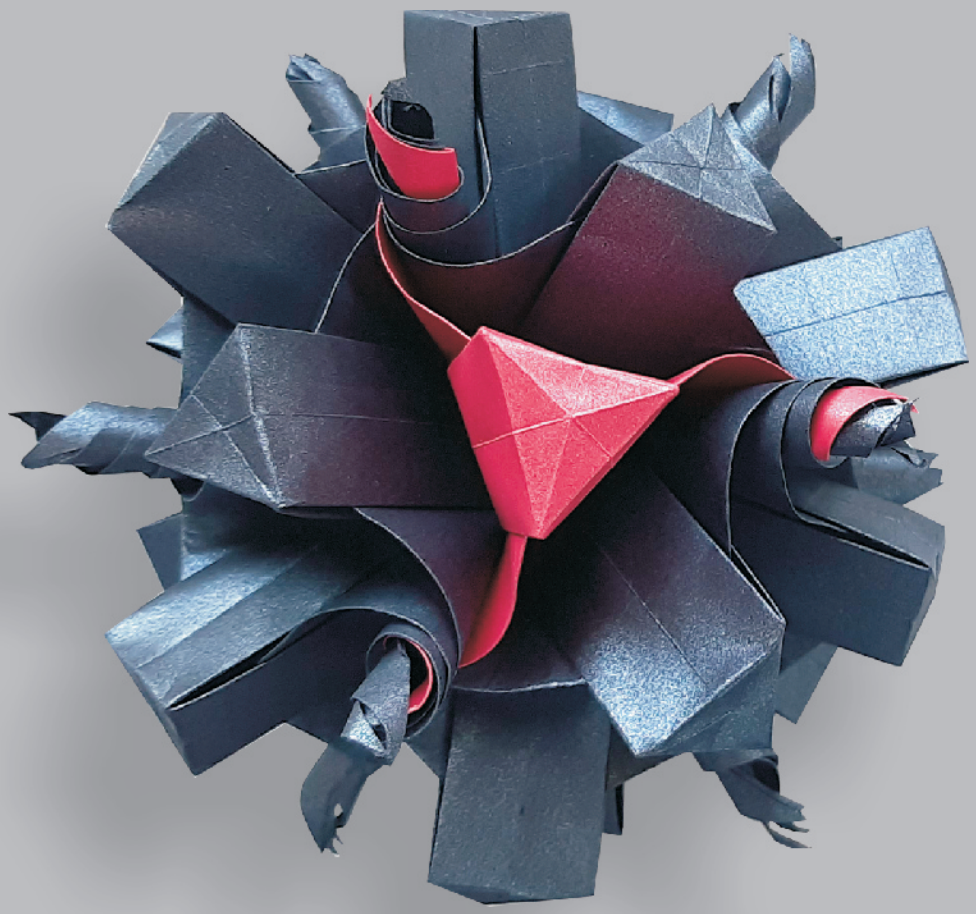


FINISHED MODEL



2





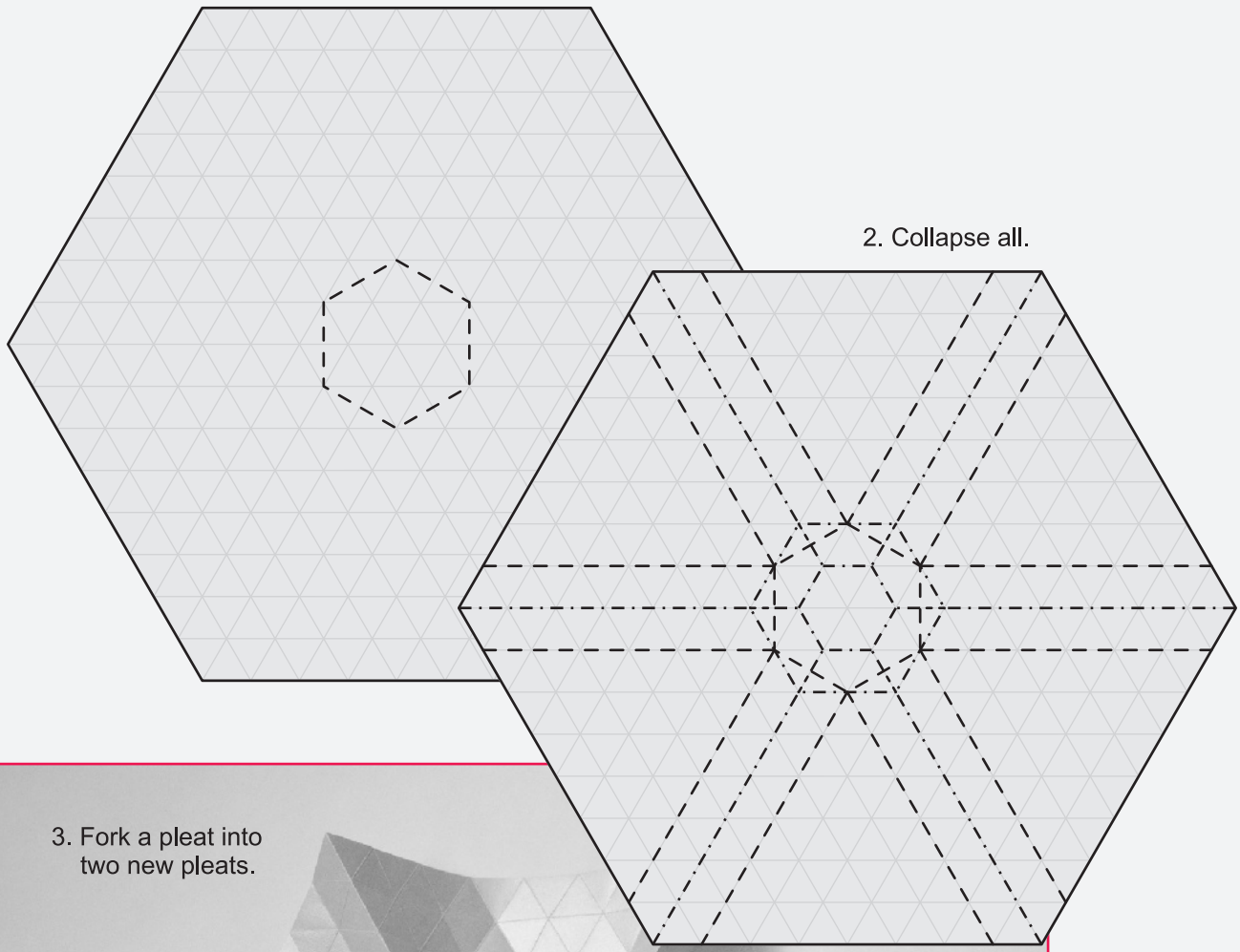
Halina Rościszewska-Narloch

UFO TESSELLATION

HALINA ROŚCISZEWSKA-NARLOCH

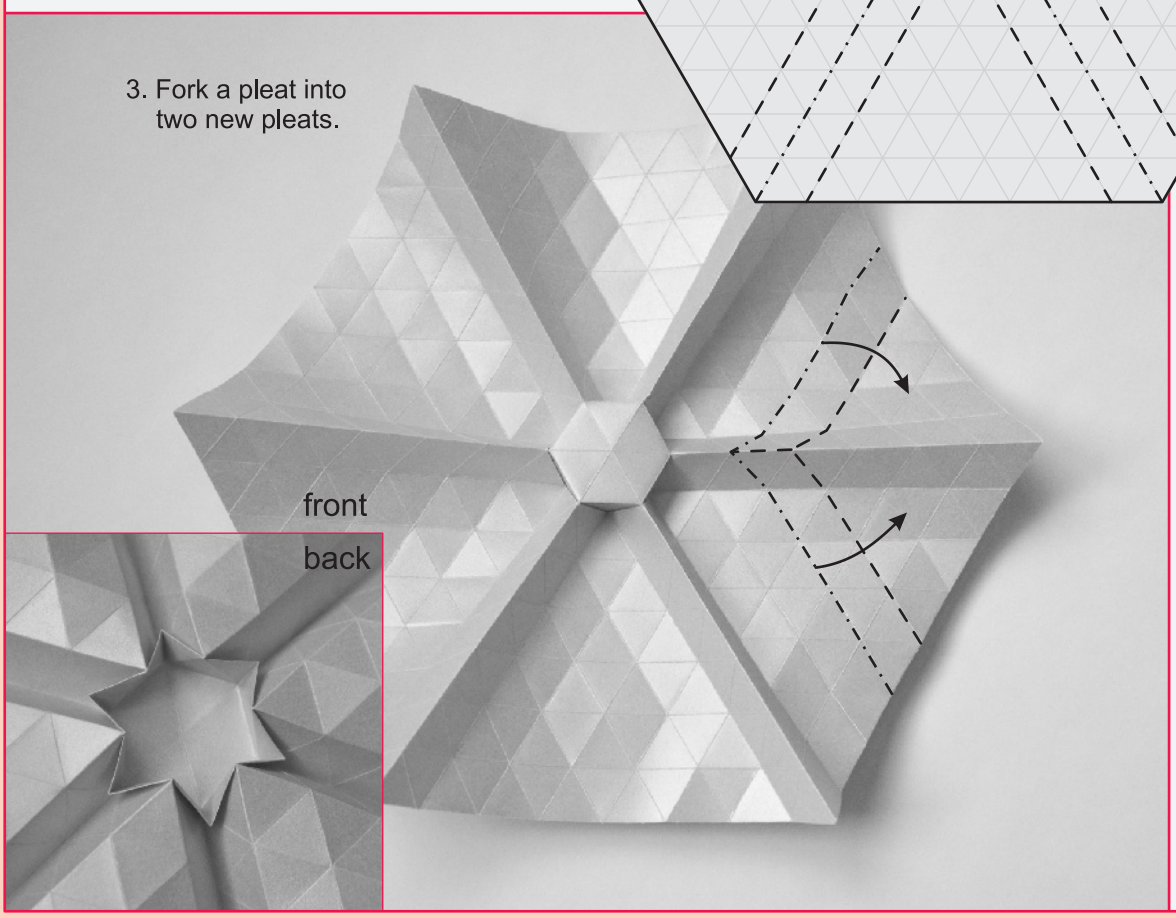
To fold UFO Tessellation you will need hexagon with 48 triangle grid. Below you can see a photodiagram showing how to fold one molecule, then a CP of entire tessellation.

1. Add new valley creases to hexagon with triangle grid 16.



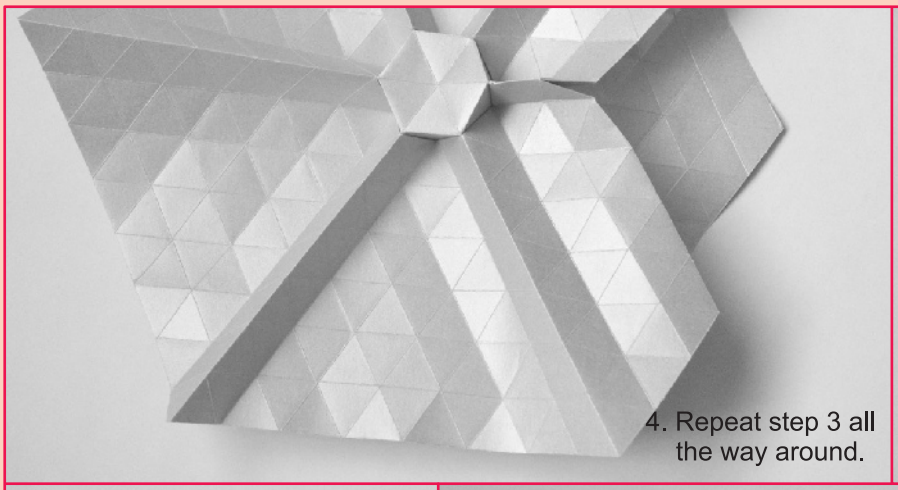
2. Collapse all.

3. Fork a pleat into two new pleats.

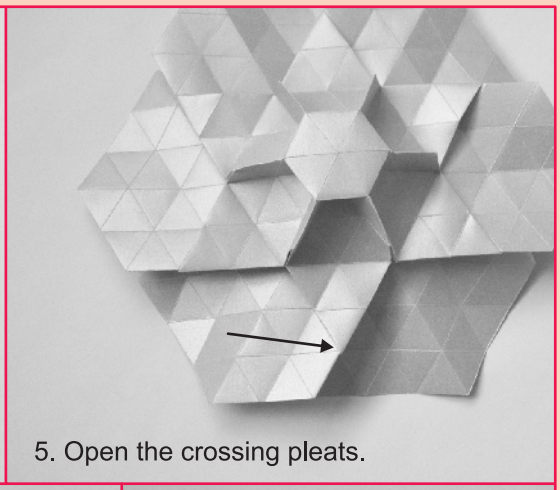


front

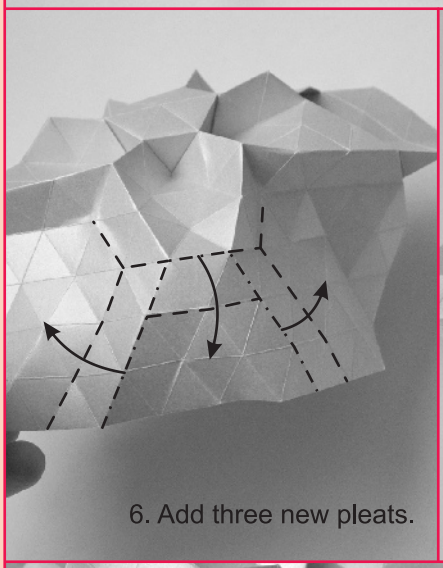
back



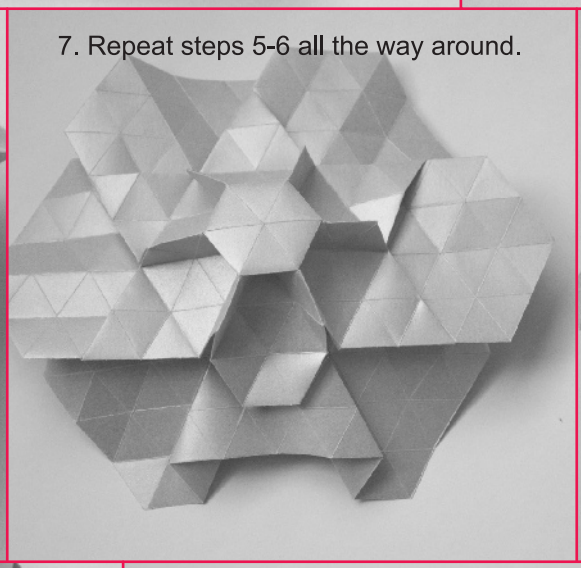
4. Repeat step 3 all the way around.



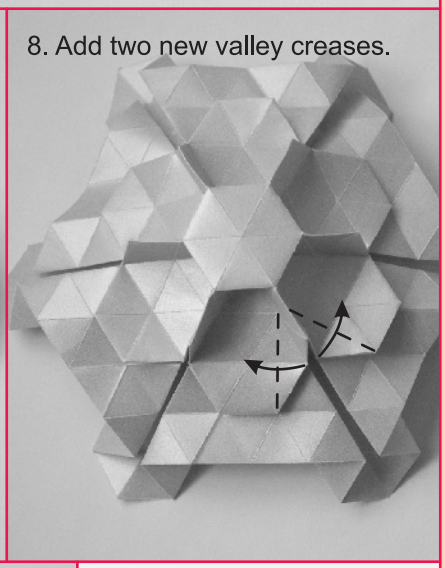
5. Open the crossing pleats.



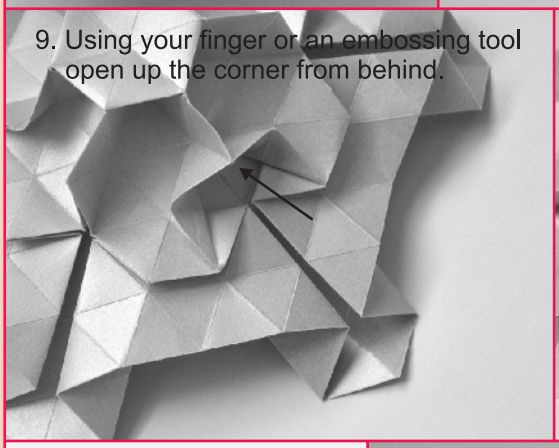
6. Add three new pleats.



7. Repeat steps 5-6 all the way around.



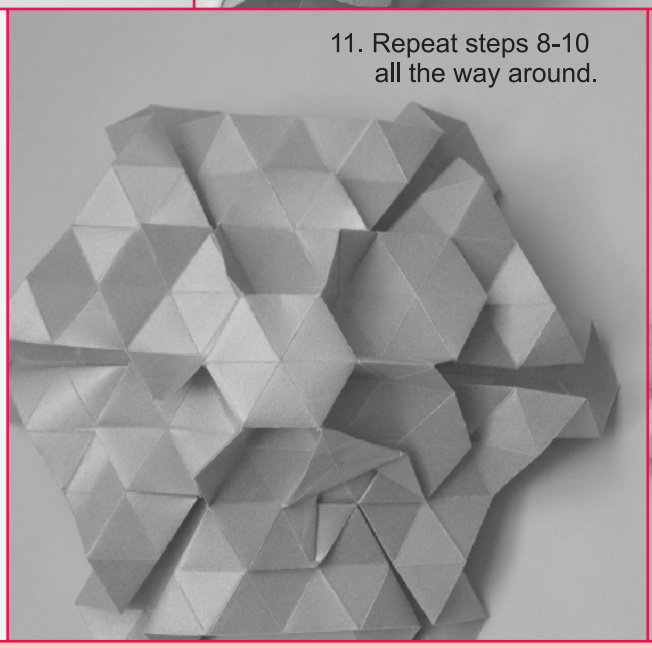
8. Add two new valley creases.



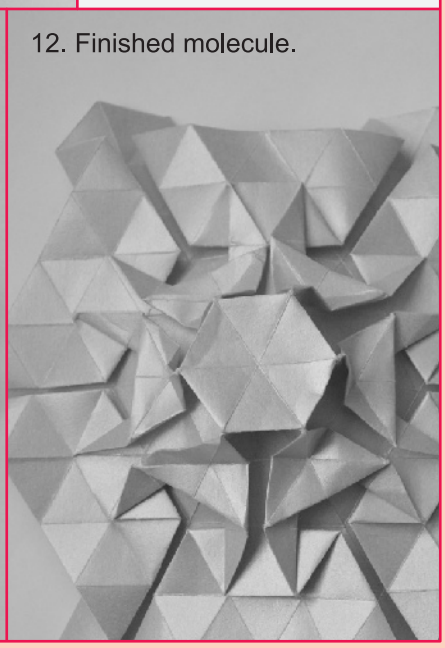
9. Using your finger or an embossing tool open up the corner from behind.



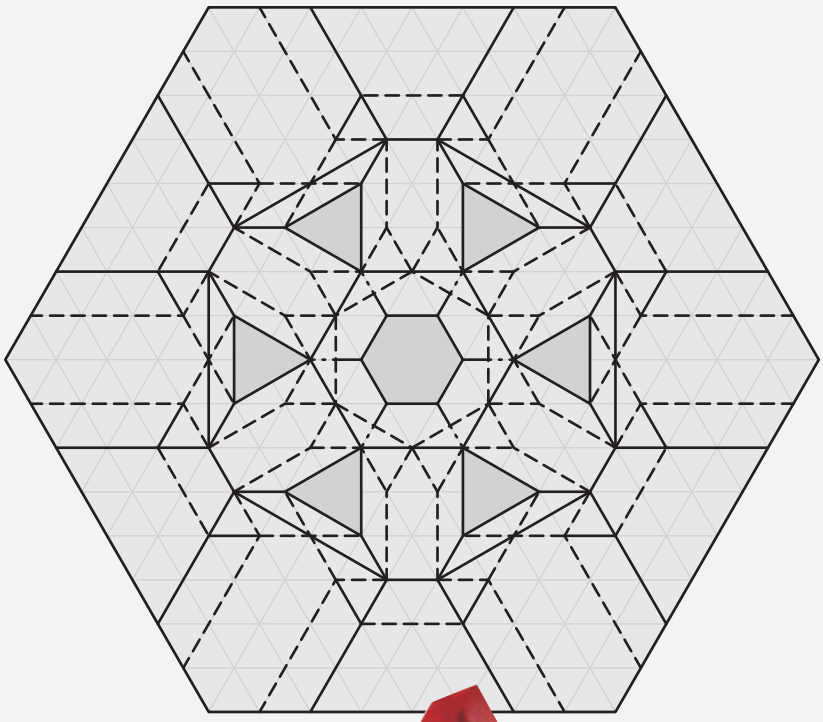
10. Add three new mountain folds.

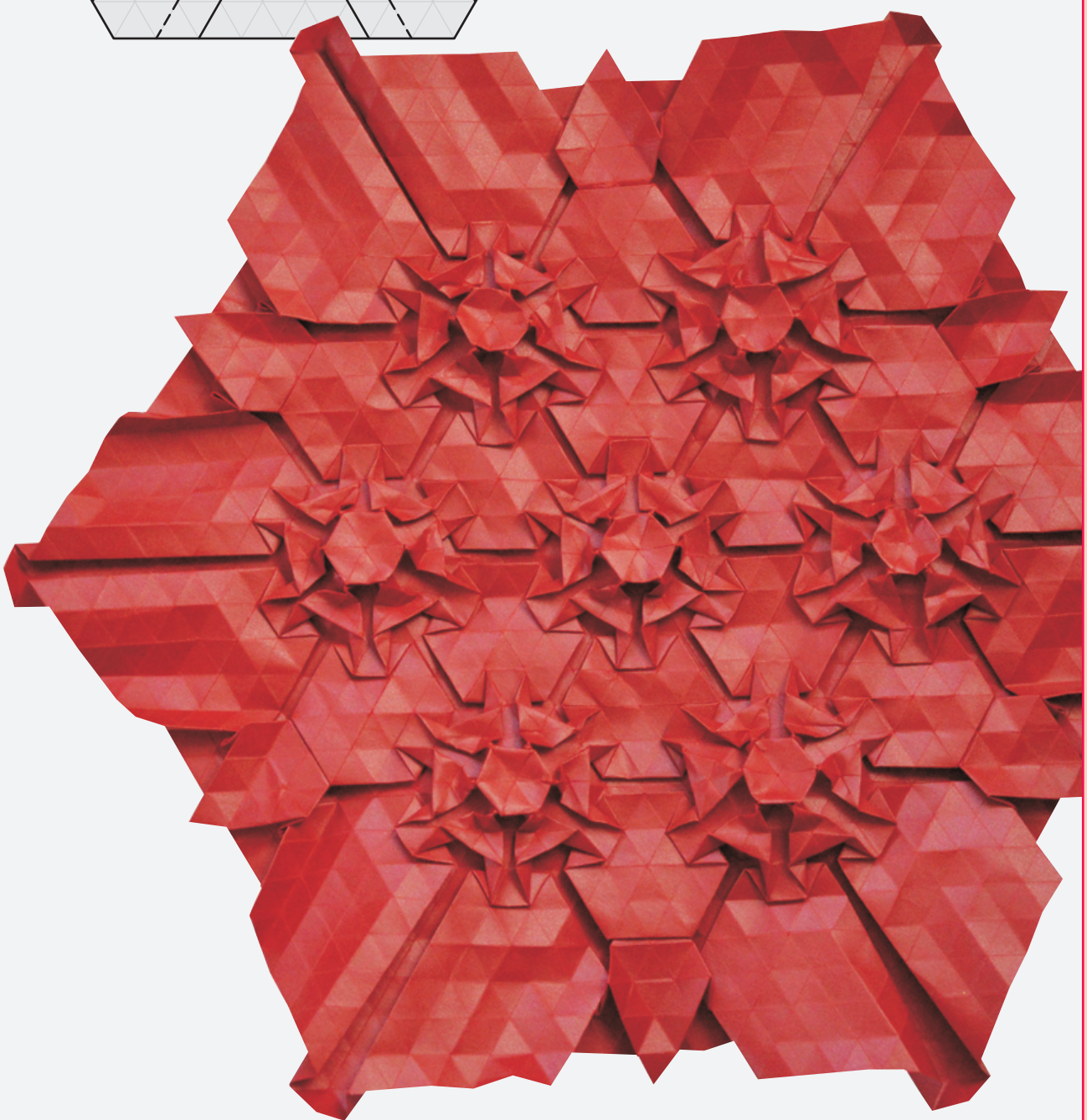


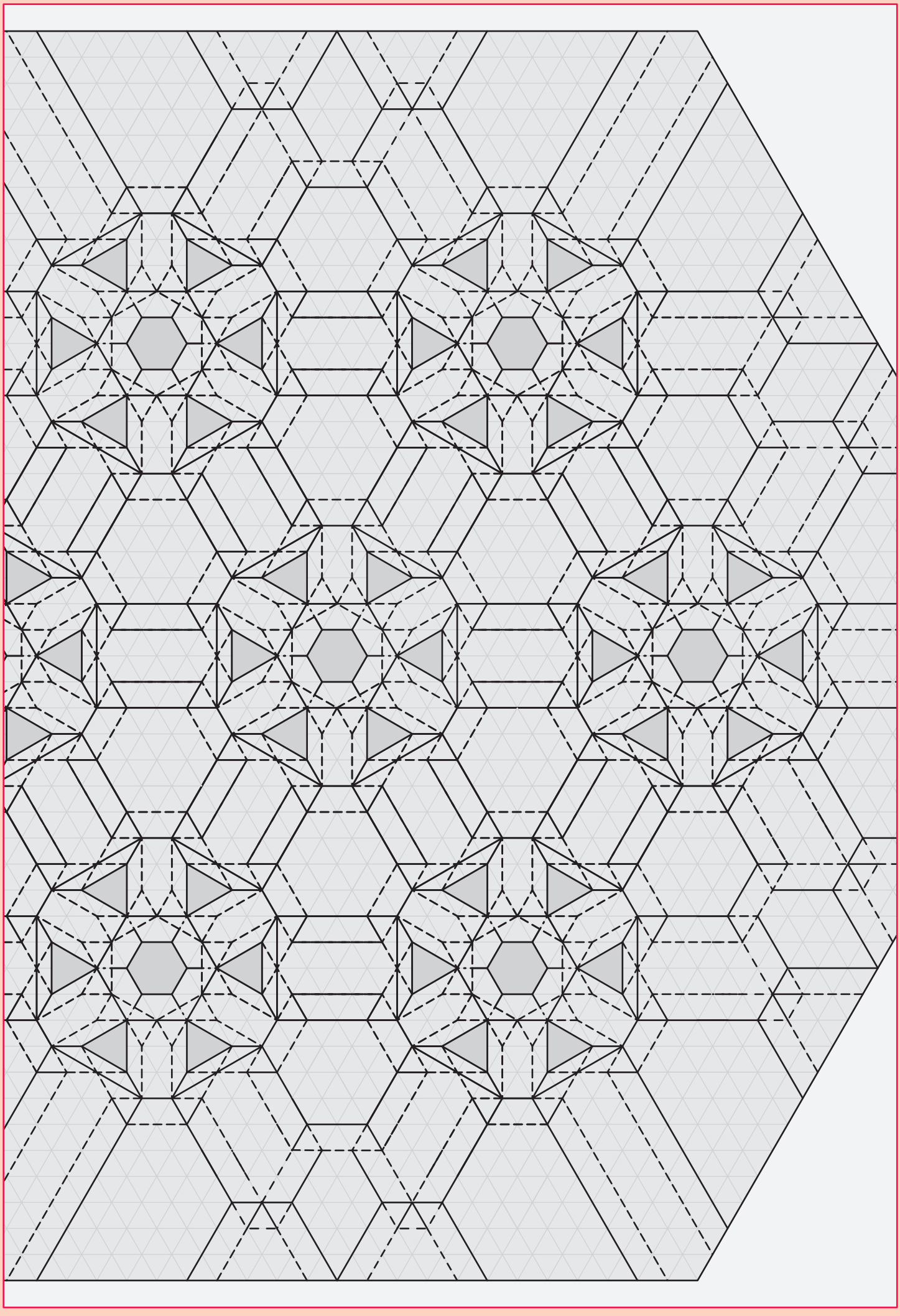
11. Repeat steps 8-10 all the way around.



12. Finished molecule.



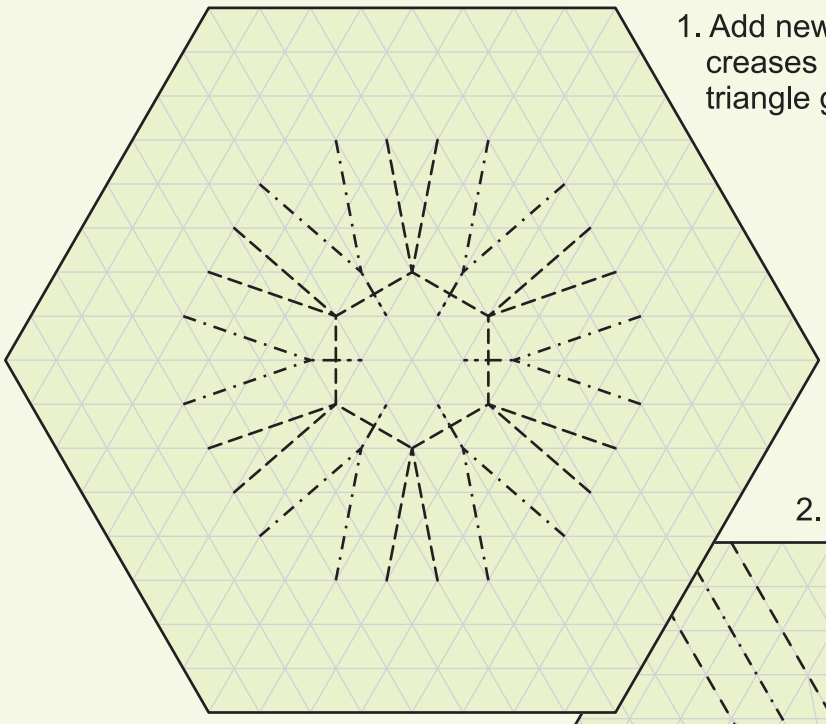




JELLYFISH TESSELLATION

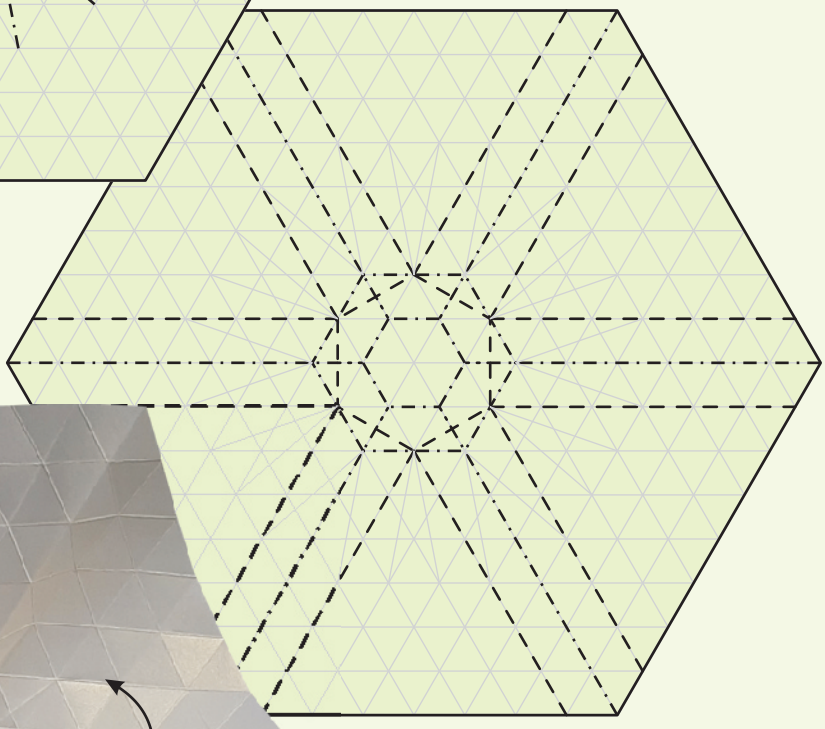
HALINA ROŚCISZEWSKA-NARLOCH

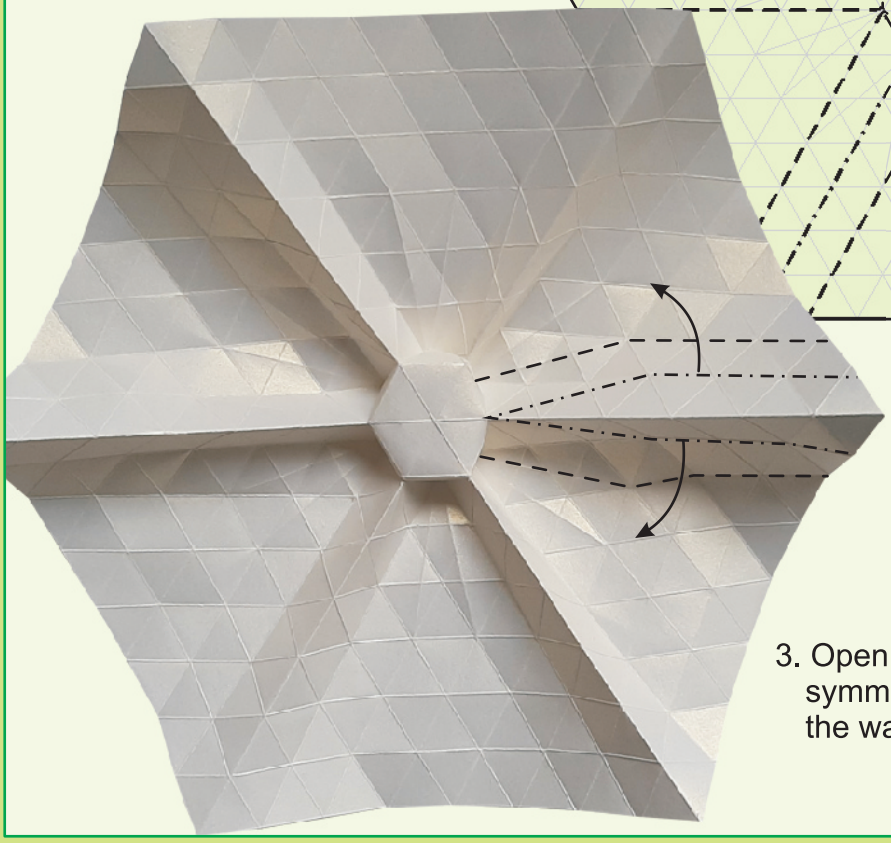
To fold Jellyfish Tessellation you will need A3 paper with 32 triangle grid. Below you can see some hints how to fold one molecule and then a CP of entire tessellation.



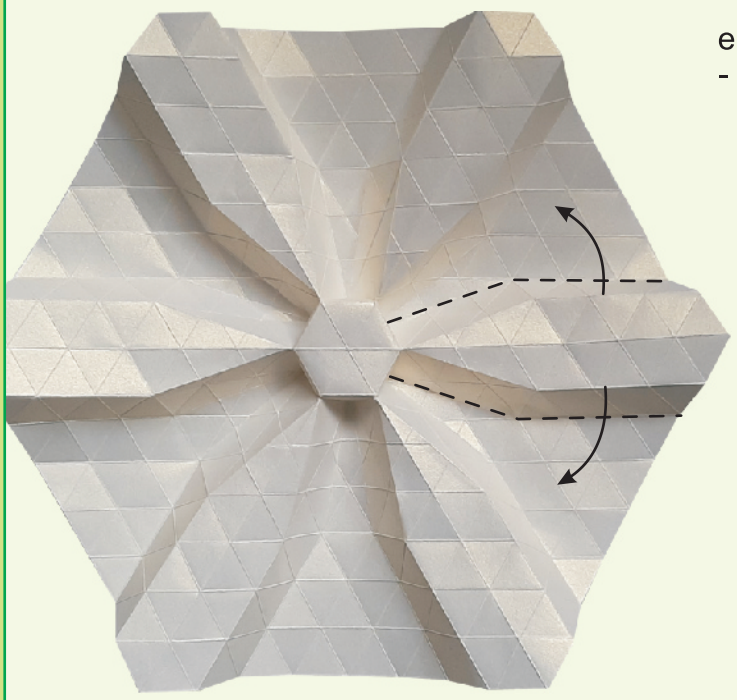
1. Add new valley and mountain creases to hexagon with triangle grid 16.

2. Collapse along shown creases.





3. Open one pleat and flatten symmetrically. Repeat all the way arround.

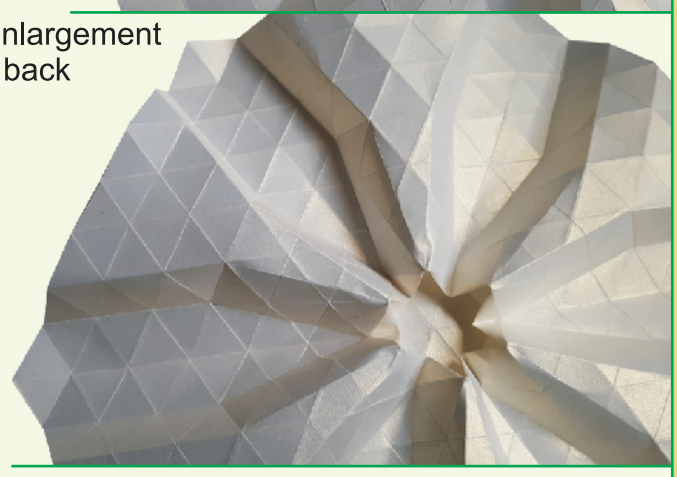


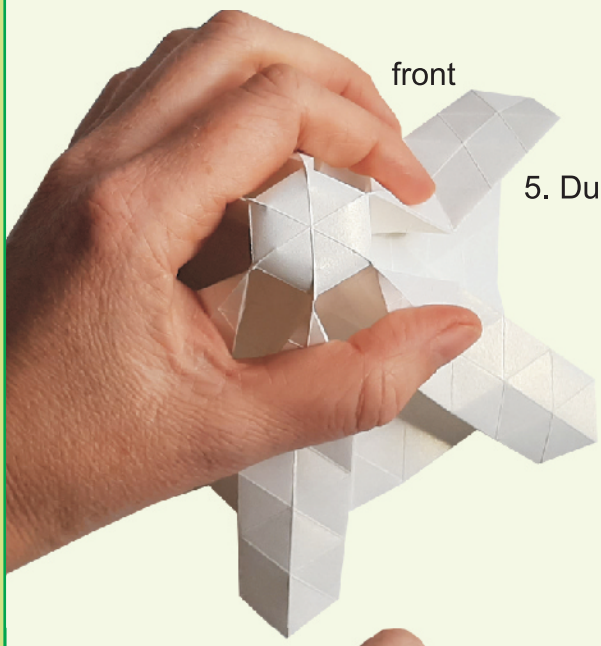
4. Try to fold flat all pleats and hold it in one hand.

enlargement
- front



enlargement
- back

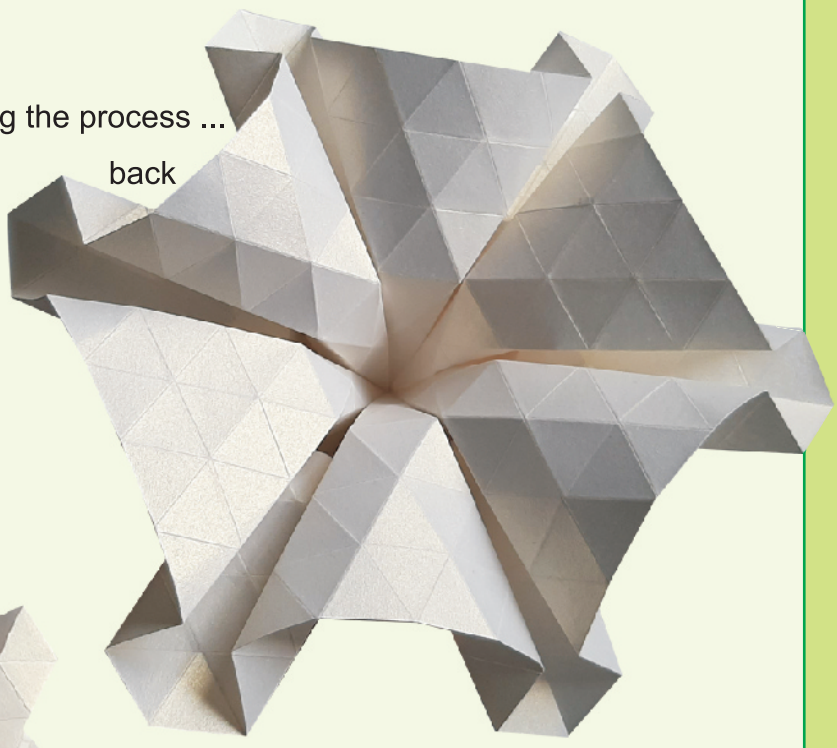


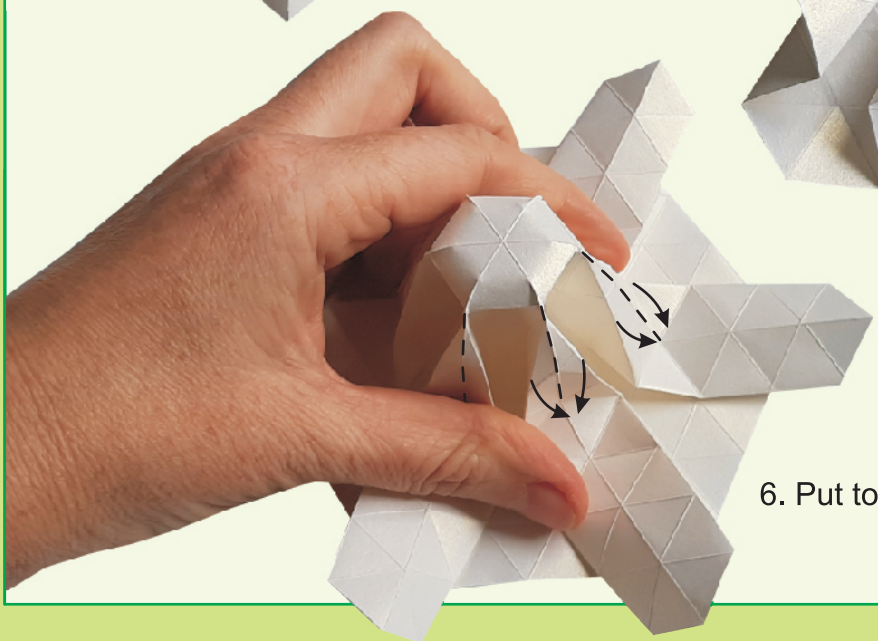


front

5. During the process ...

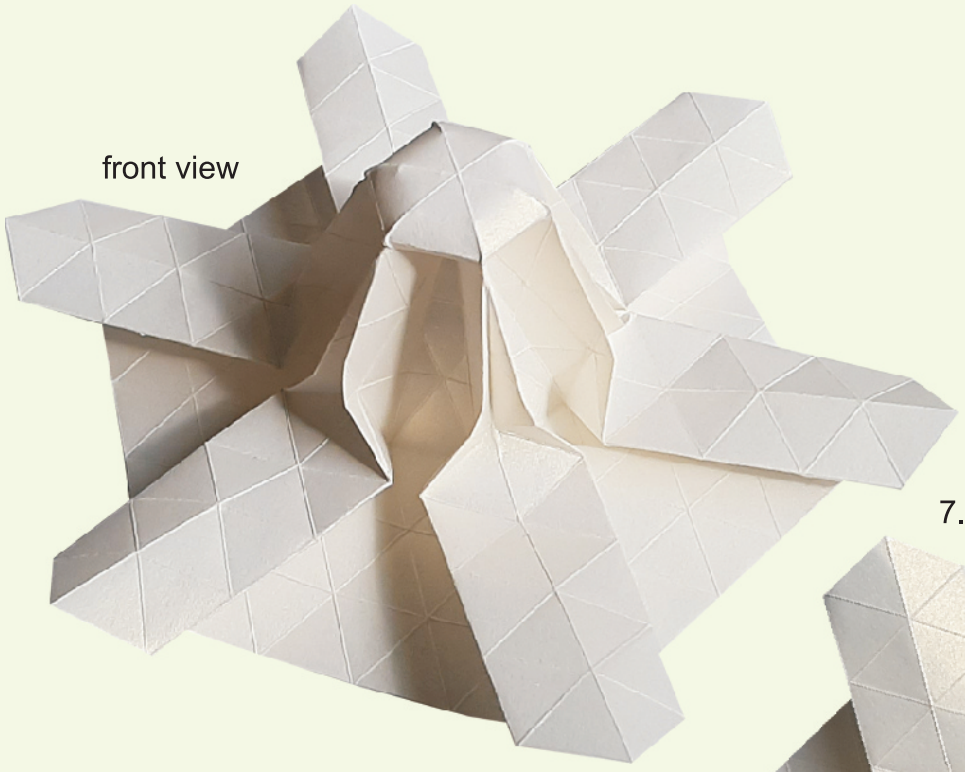
back





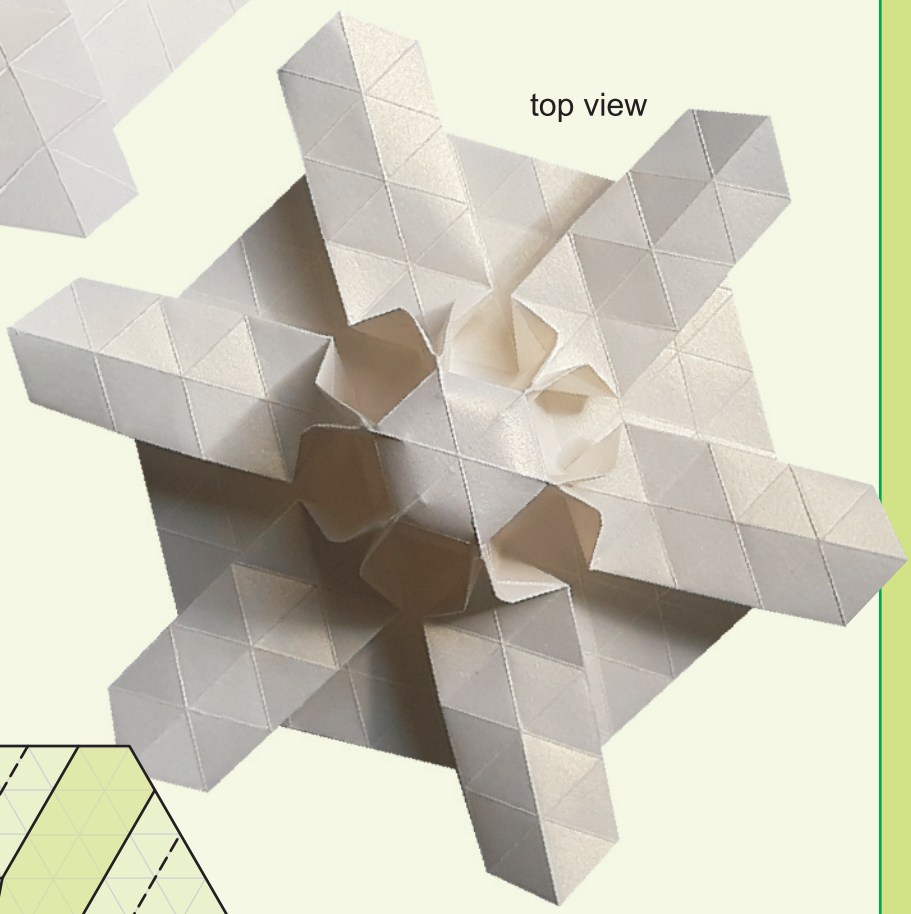
6. Put together.

front view

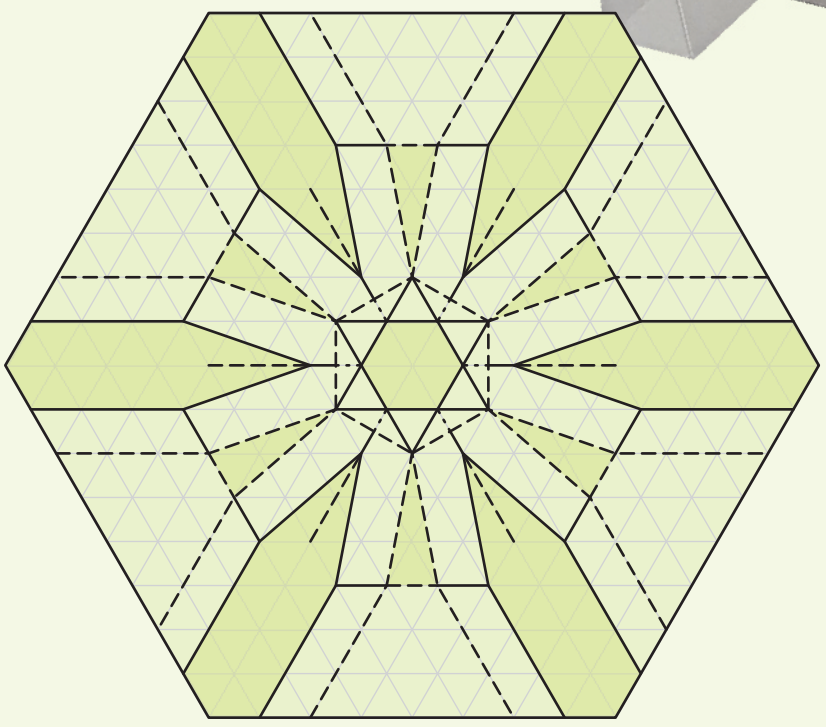


7. Finished.

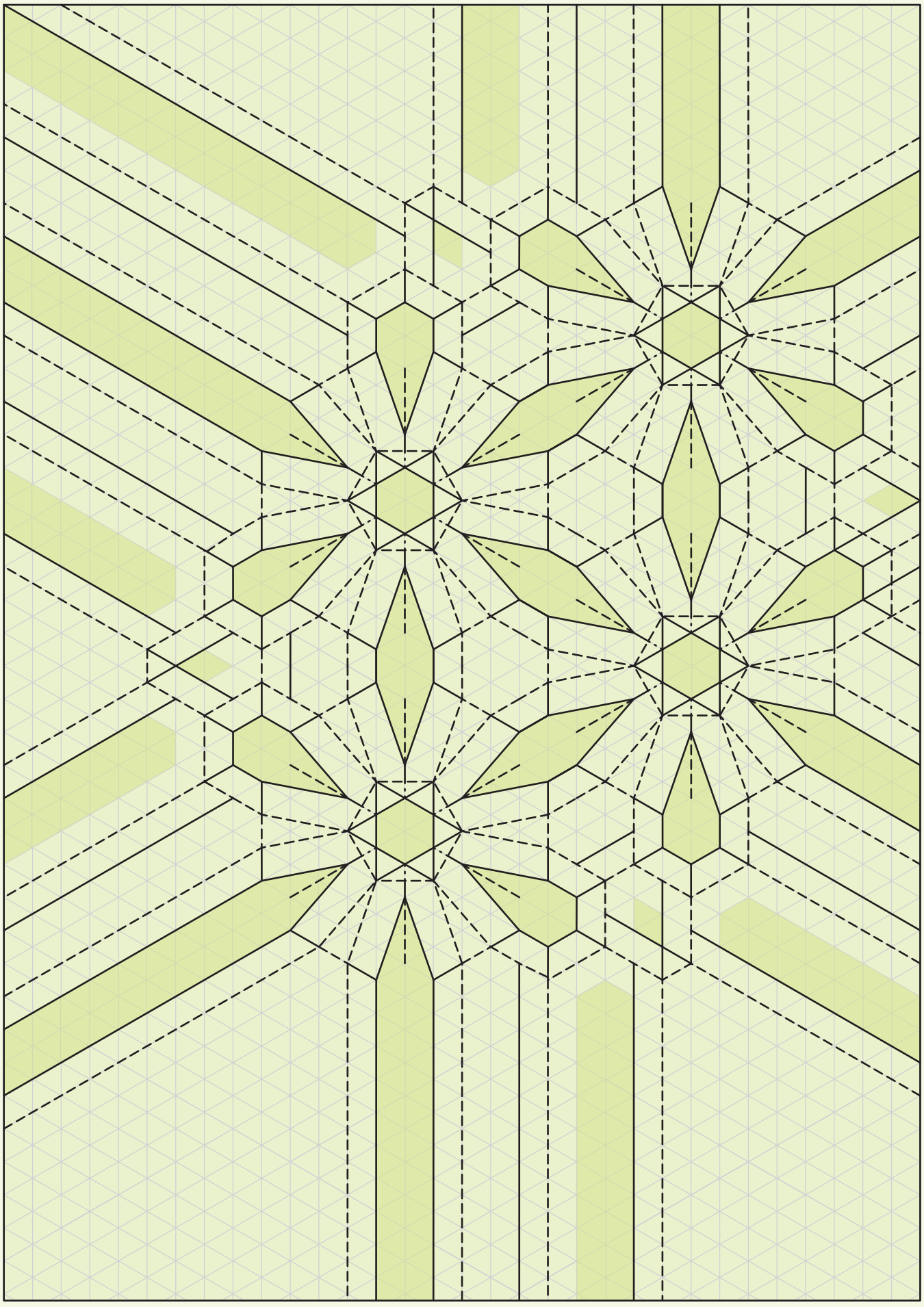
top view



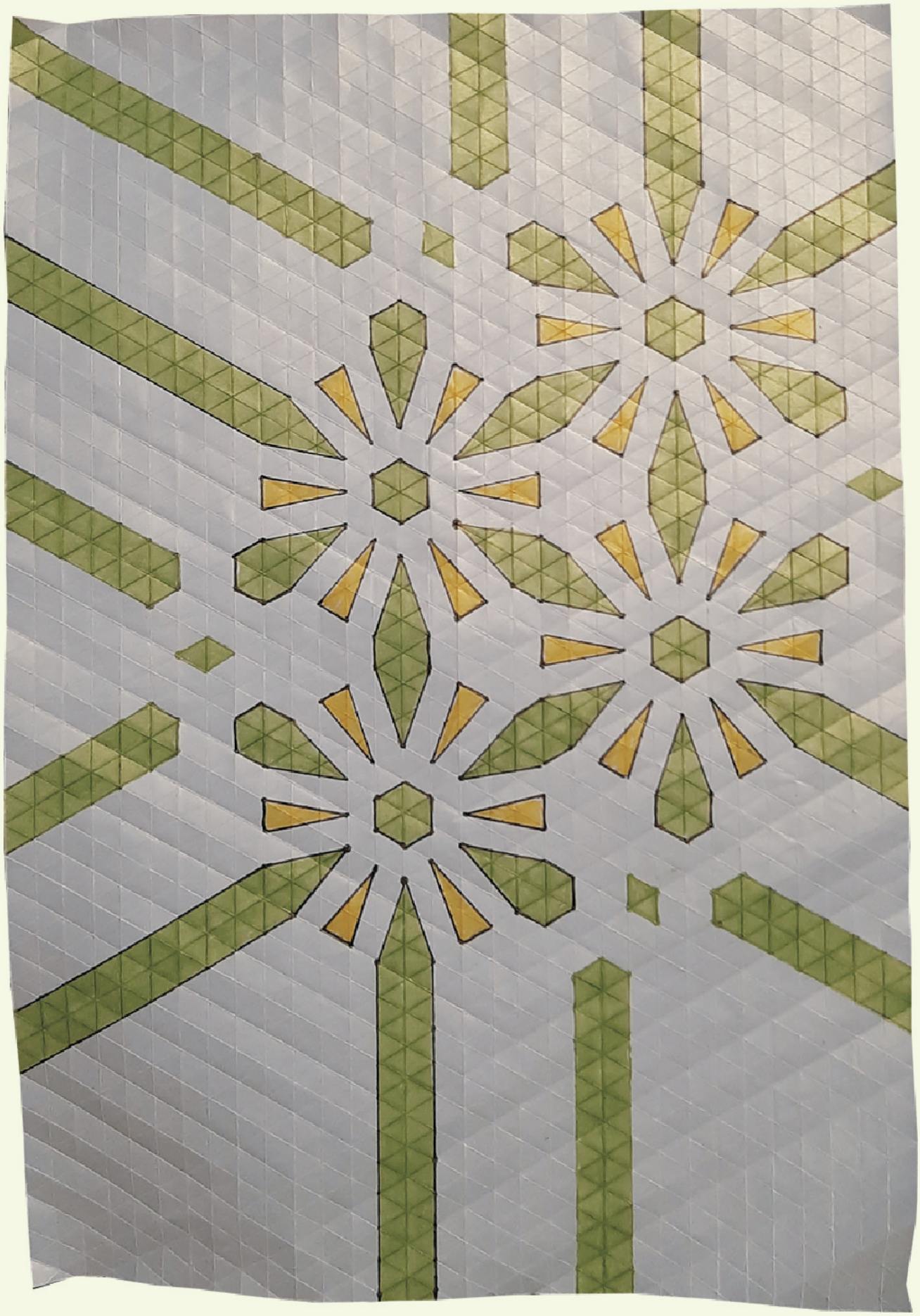
Crease pattern of one motif

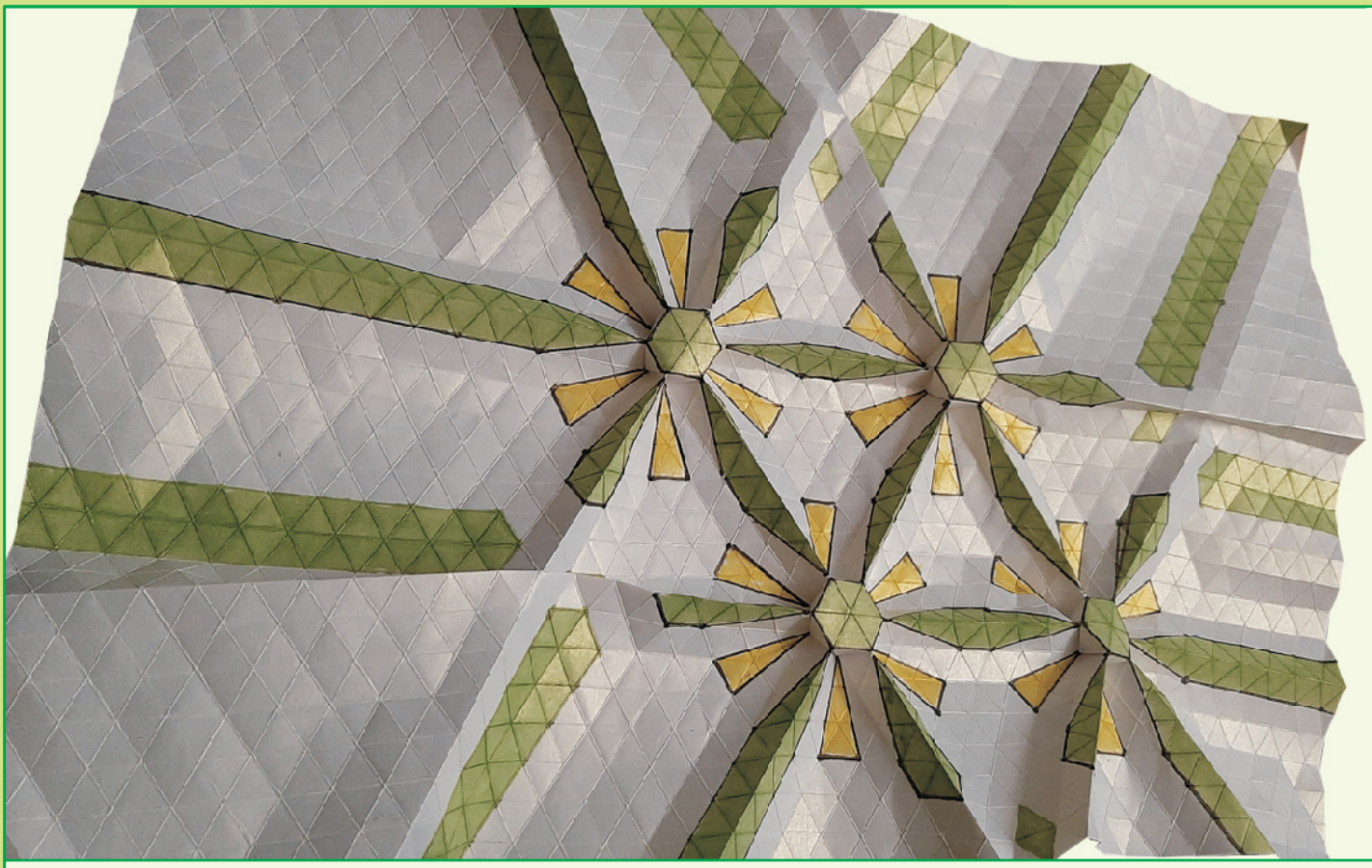


Grid coloured for better illustration of the collapsing process:



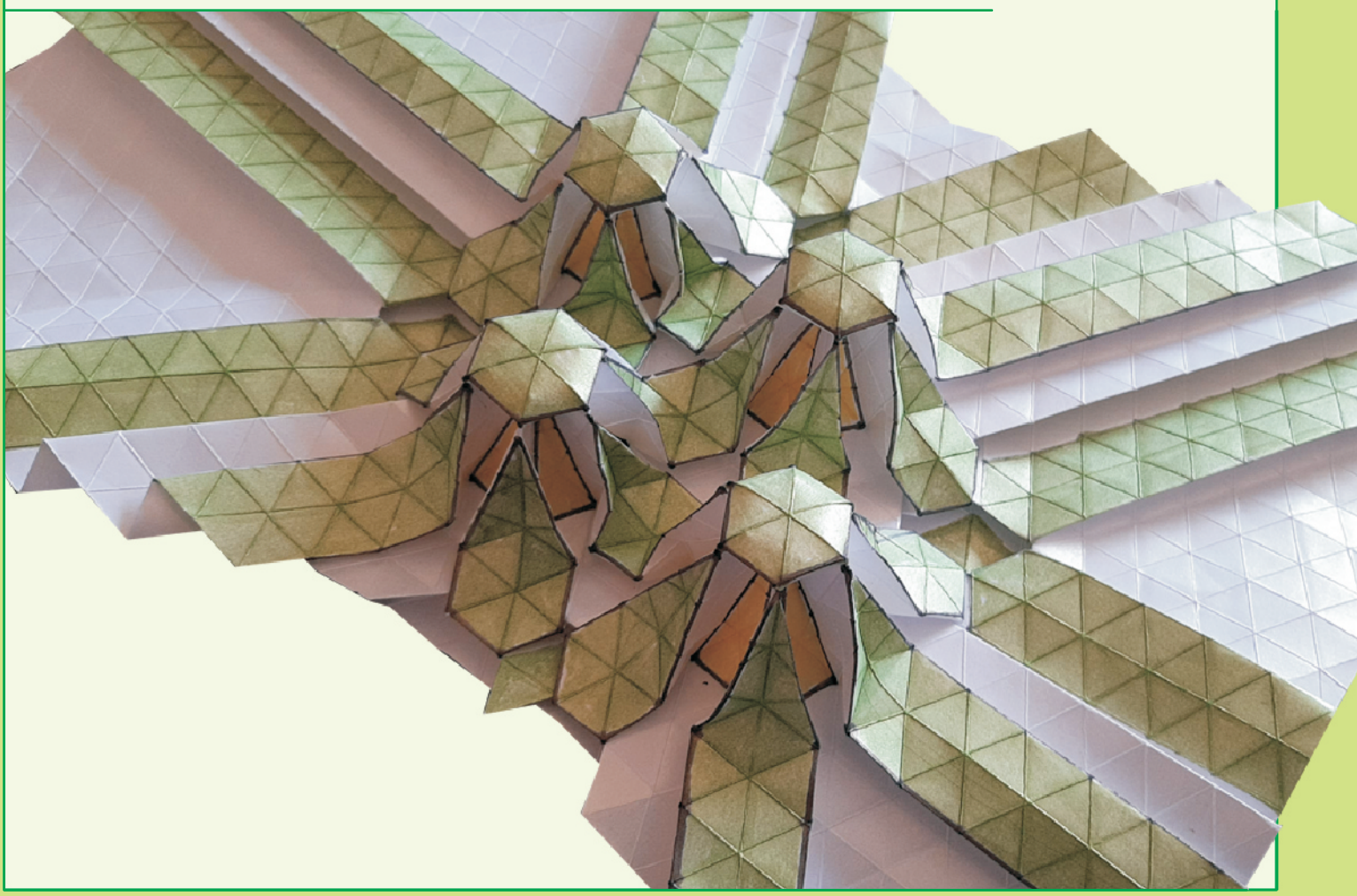
Prepared grid coloured in important parts





During folding ...

Finished tessellation.

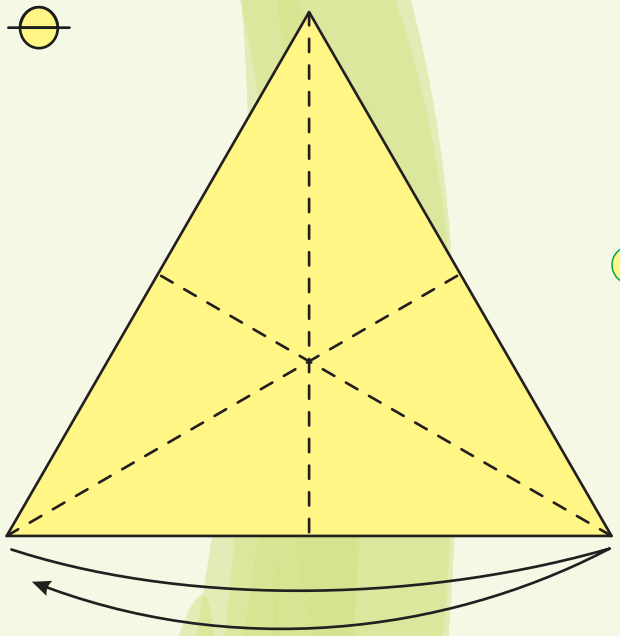


TWISTED TRIANGLES

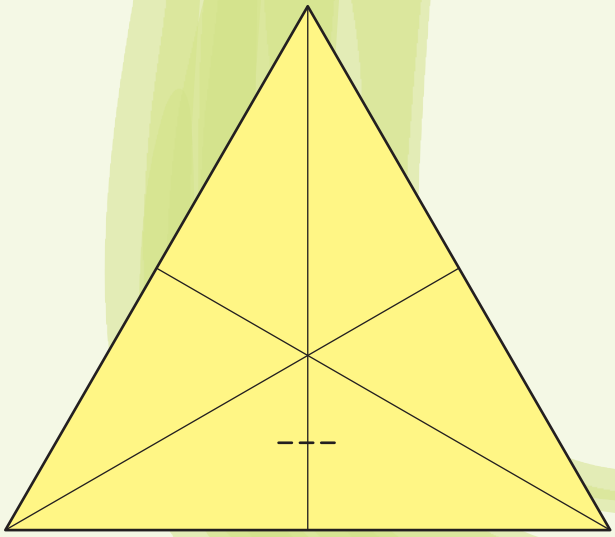
HALINA ROŚCISZEWSKA-NARLOCH

Prepare an equilateral triangle, e.g. from an A4 sheet. Recommended paper: hard.

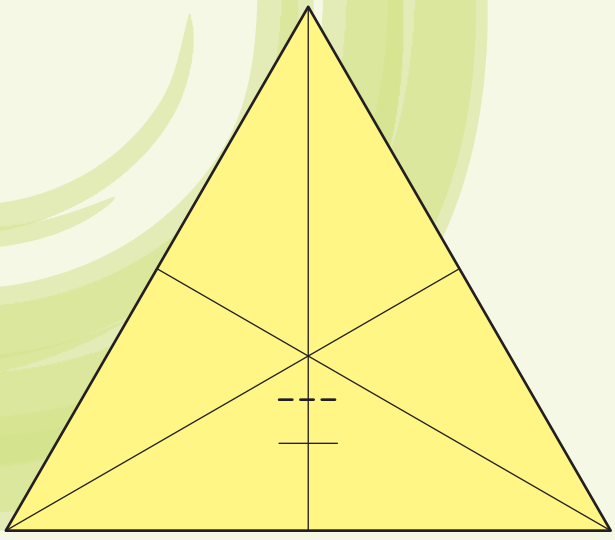
1 Fold each edge in half.



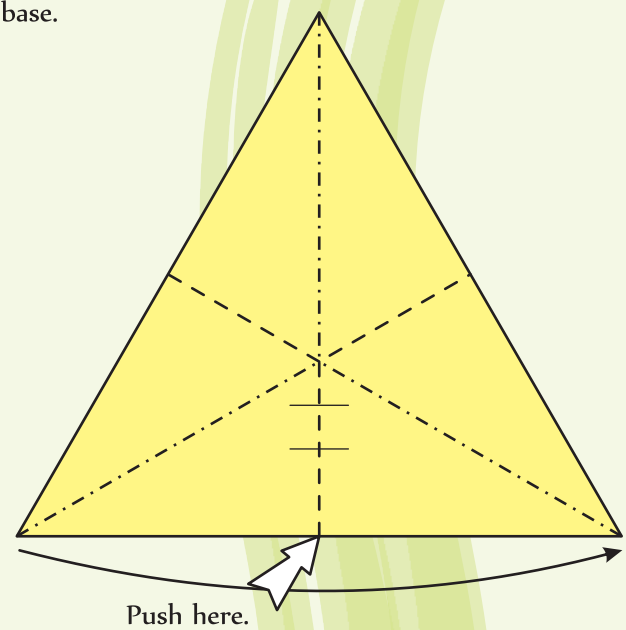
2 Pinch in half between an edge and middle point.



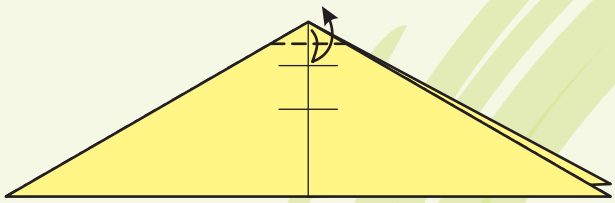
3 Pinch between middle point and pinch made in step 2.



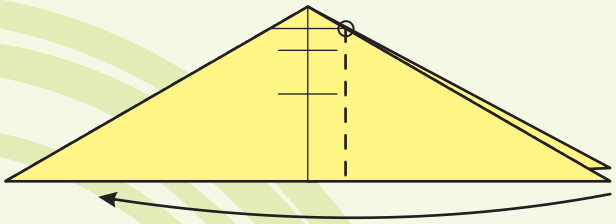
4 Fold one corner to second corner to make "waterbomb" base.



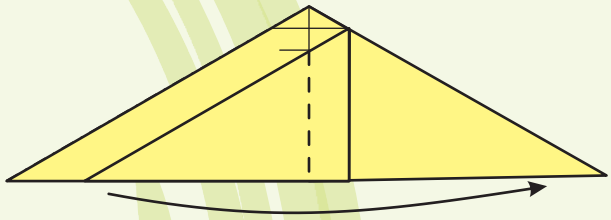
5 Fold to first pinch and unfold .



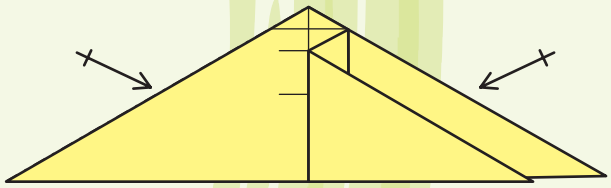
6 Fold parallel to the existing crease, start from the shown point.



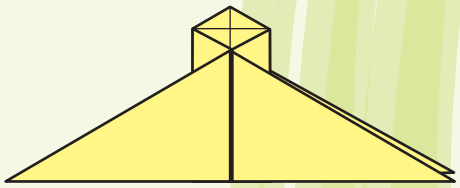
7 Fold along underneath line.

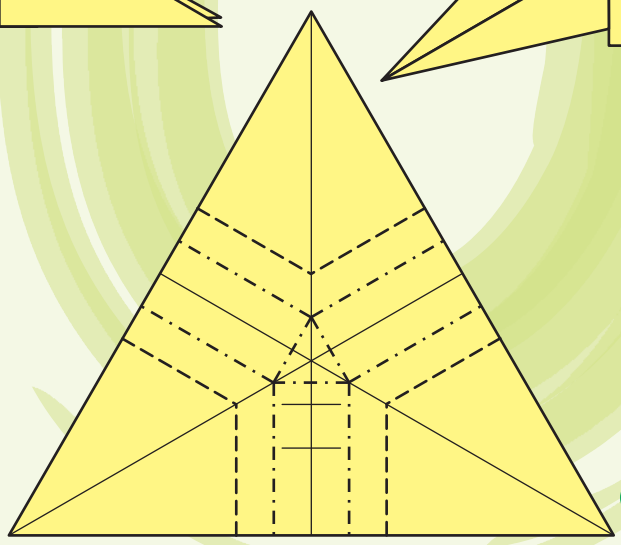


8 Repeat steps 6 and 7 on both remaining flaps.

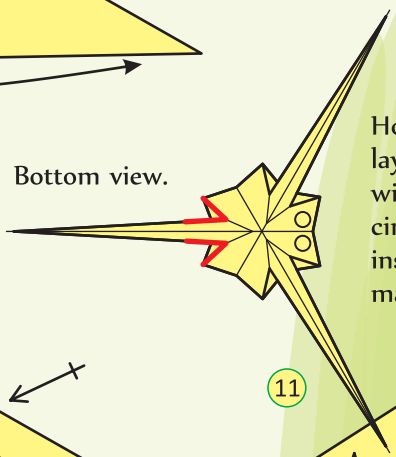


9 Open everything.





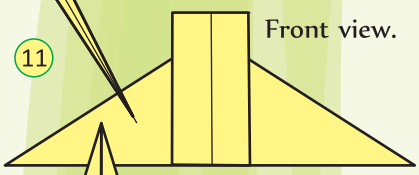
10 Collapse as shown.



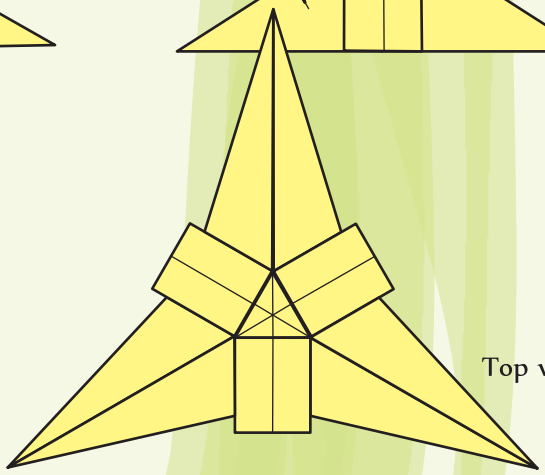
Bottom view.

Hold together four shown layers inside the unit (marked with red color and small circles) and fold double corner inside in the one direction to make lock.

11

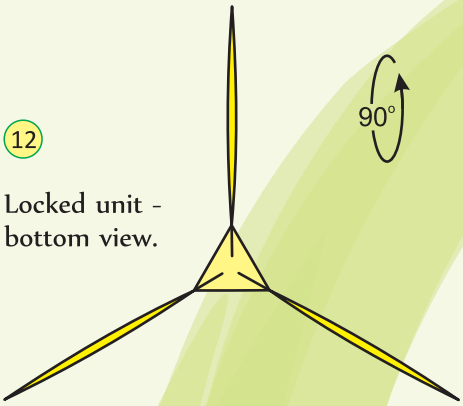


Front view.

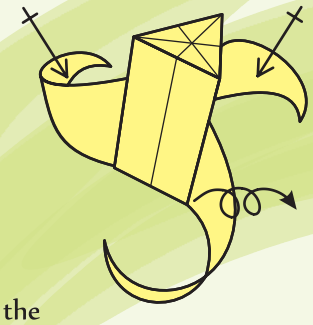


Top view.

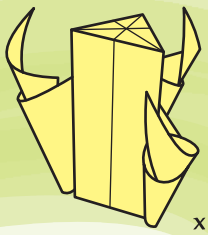
12 Locked unit - bottom view.



14 Twist all flaps to make cones (by fingers or japanese chopsticks).

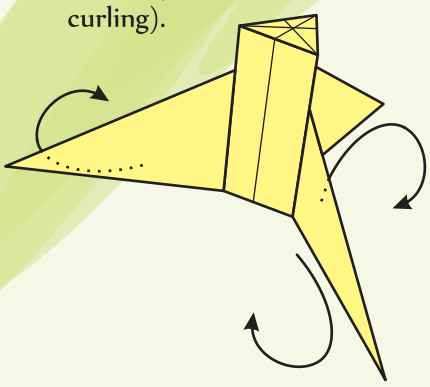


15



x 20

13 Curl all flaps slightly in the one direction using closed scisors (hold locks when curling).



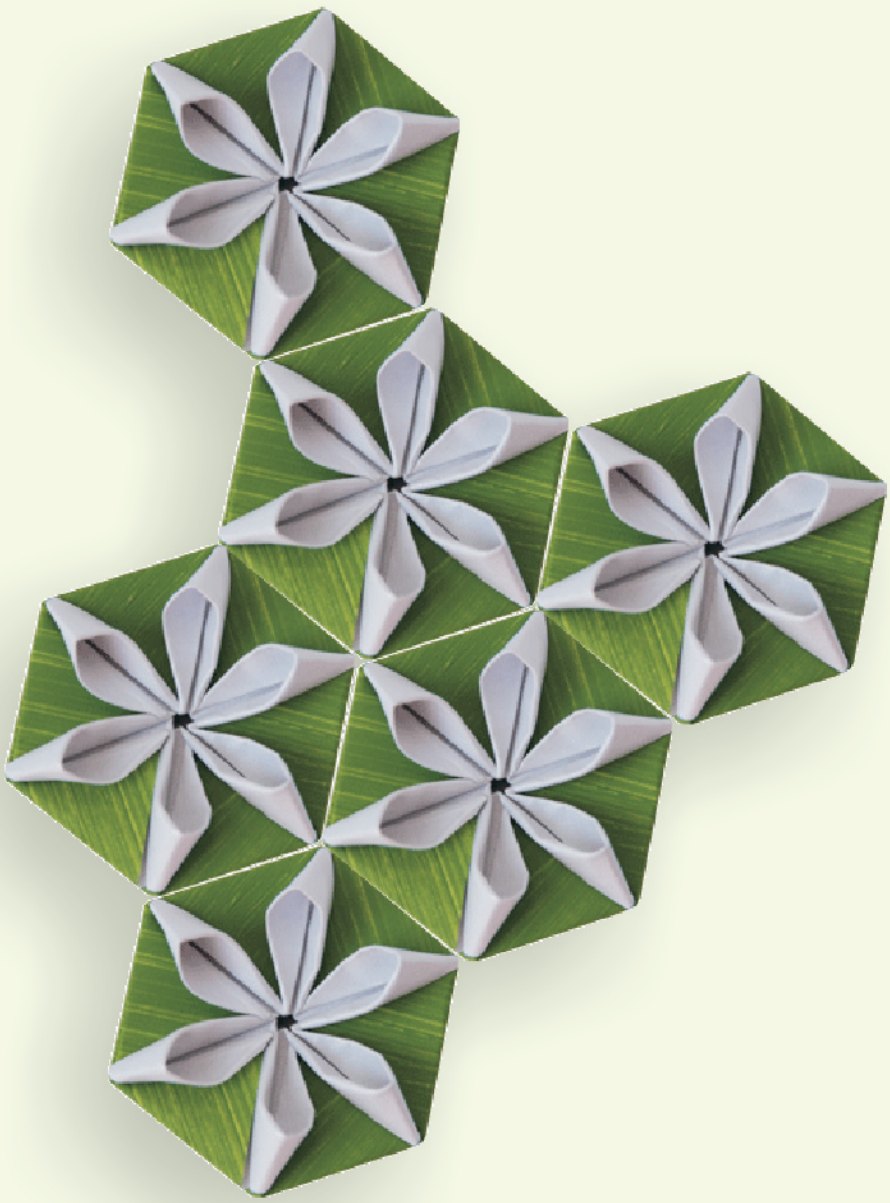
Joining

To assemble two units, put one cone inside another cone, repeat with second couple of cones.



Join next units, remember that in one cone should be curled 5 units.



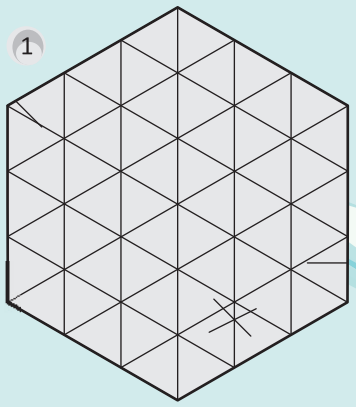


Irena Janas

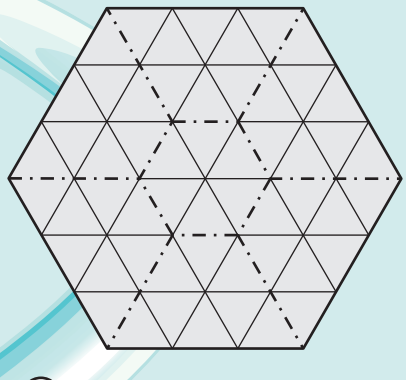
FLOWER

IRENA JANAS

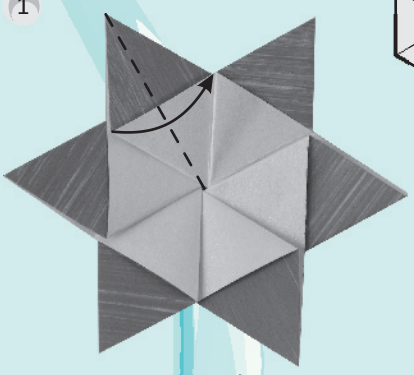
Models from the book "Origami. Flowers" by Irena Janas

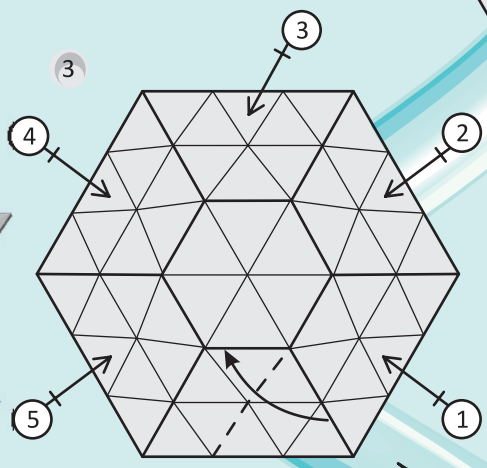


2 *wykonaj zagięcie typu grzbiet (forma nie będzie płaska)*
make mountain folds (paper will not lay flat)



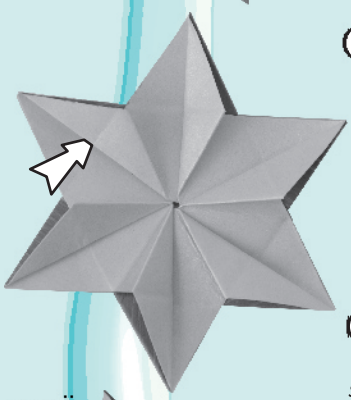
1 zagnij, powtórz
fold, repeat

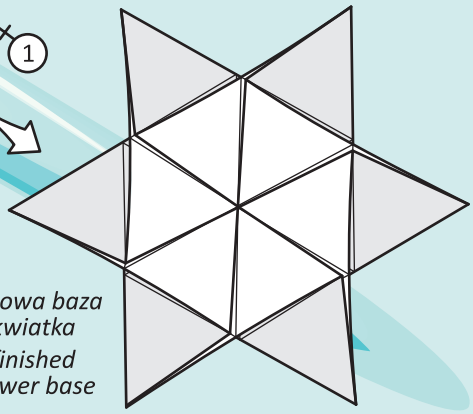




3 *składaj we wskazanej kolejności*
fold the paper in the shown order

2 rozszerz
extend



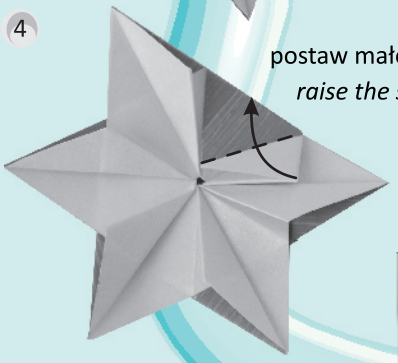


4 *gotowa baza kwiatka*
finished flower base

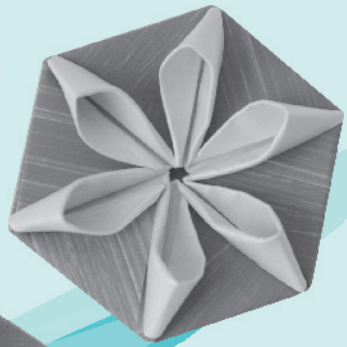
3 zagnij
fold



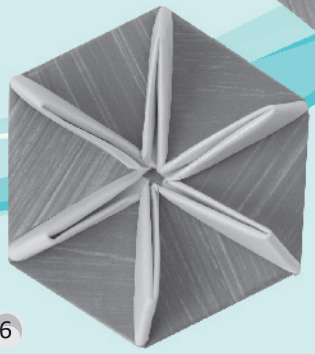
4 postaw małe skrzydełko
raise the small flap



7

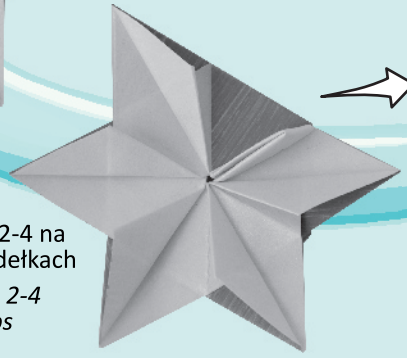


rozszerz i podkręć, powtórz
extend and curl, repeat



6

5 powtórz kroki 2-4 na kolejnych skrzydełkach
repeat steps 2-4 on all flaps

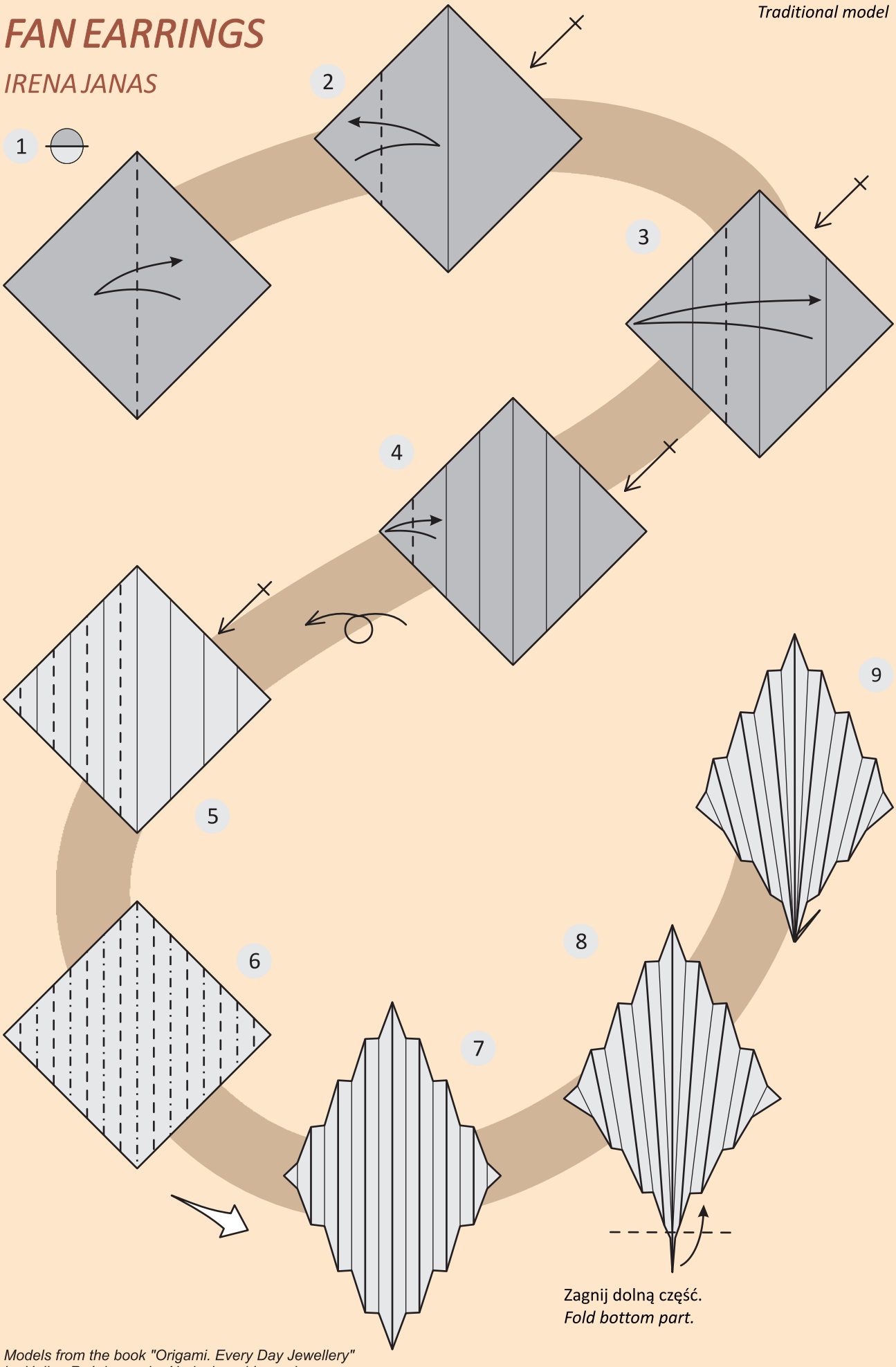




FAN EARRINGS

IRENA JANAS

Traditional model

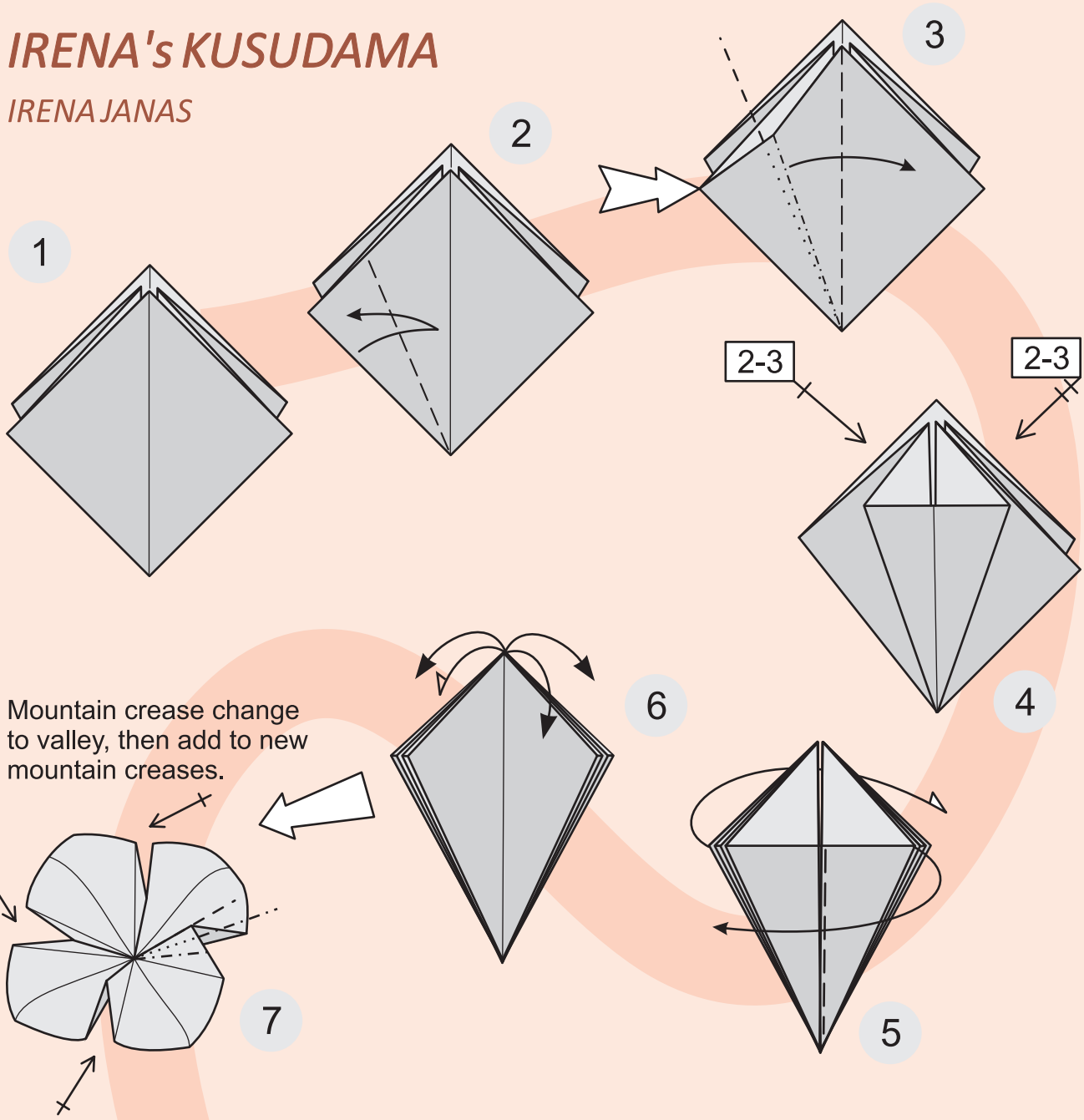


Models from the book "Origami. Every Day Jewellery"
by Halina Rościszewska-Narloch and Irena Janas



IRENA's KUSUDAMA

IRENA JANAS

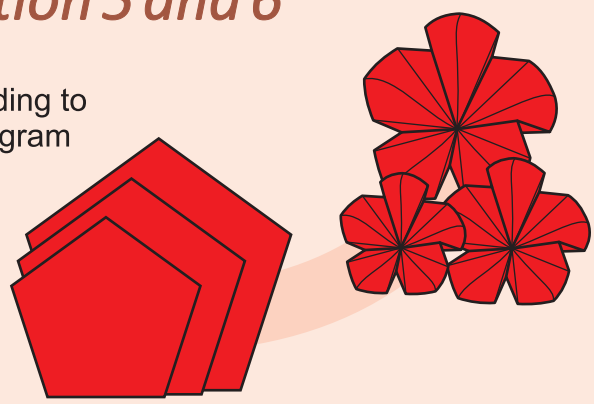




IRENA's KUSUDAMA - variation 5 and 6

IRENA JANAS

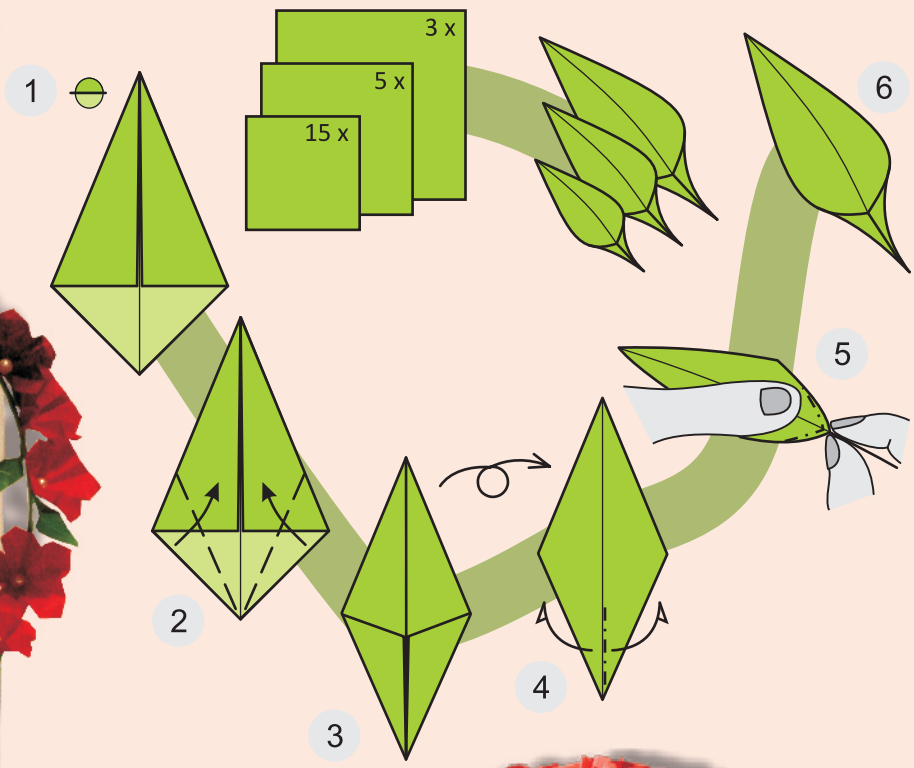
Fold pentagons according to the variation of the diagram on page 42.



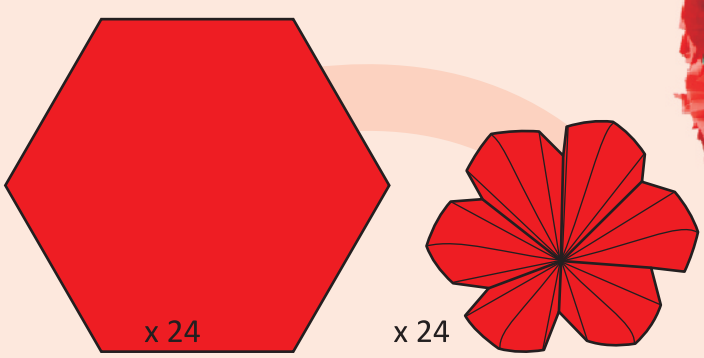


LEAVES

HALINA ROŚCISZEWSKA-NARLOCH



Fold hexagons according to the variation of the diagram on page 42. Glue them to a green ball.





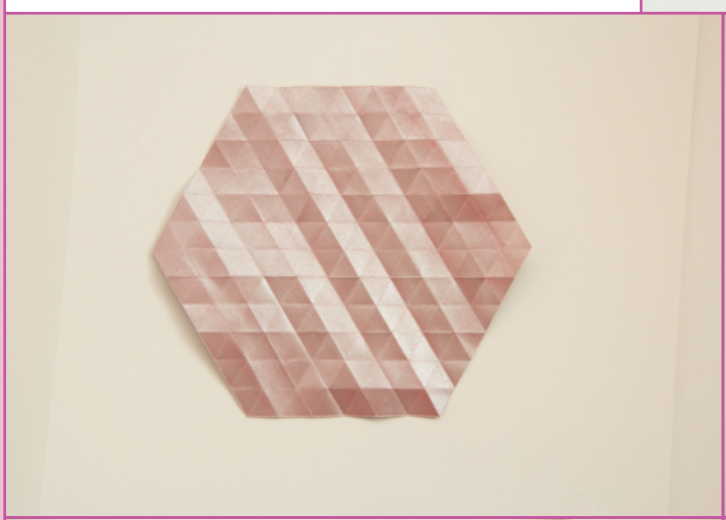
Models from the book "Origami. Flowers for the whole year" by Halina Rościszewska-Narloch

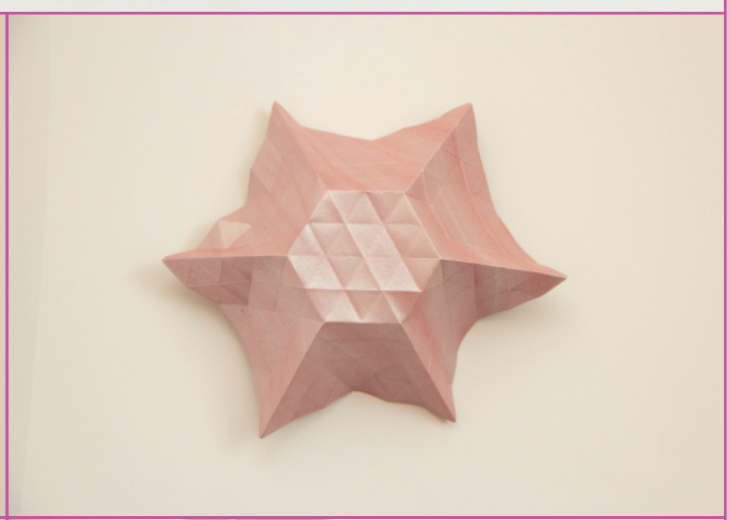
CANDLESTICK '12'

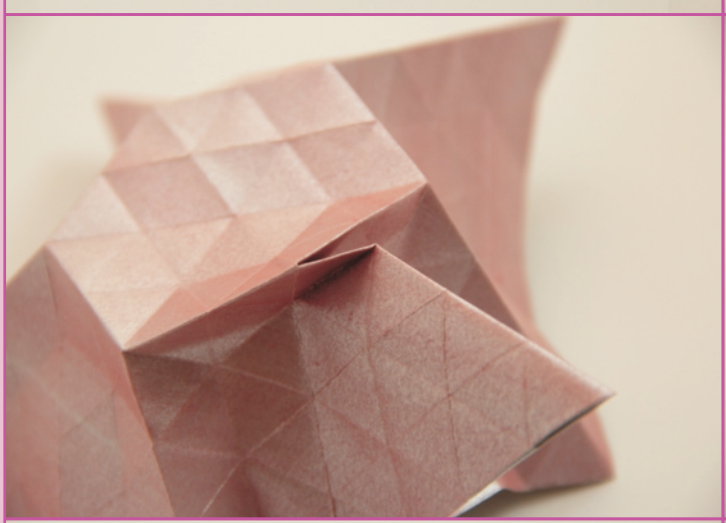
IRENA JANAS

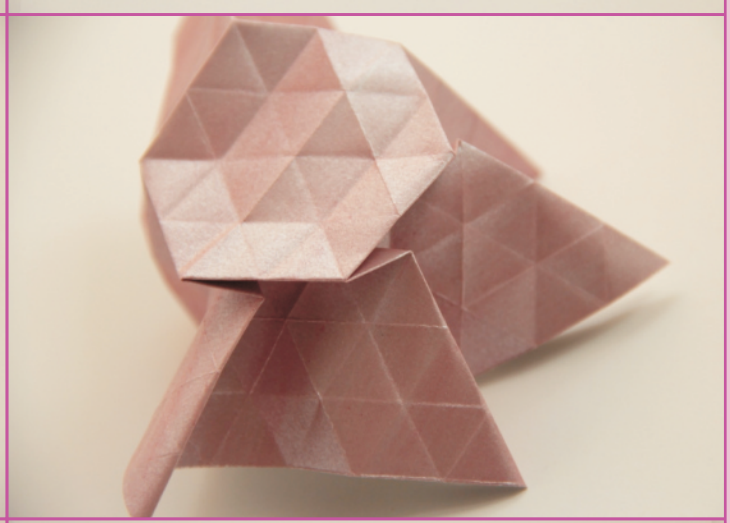
Prepare a hexagon with triangle grid divided into 12 (or into 16 and cut).



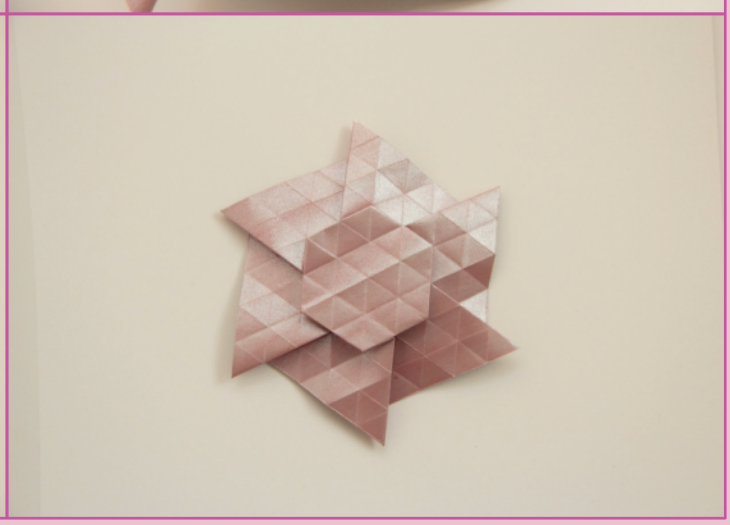




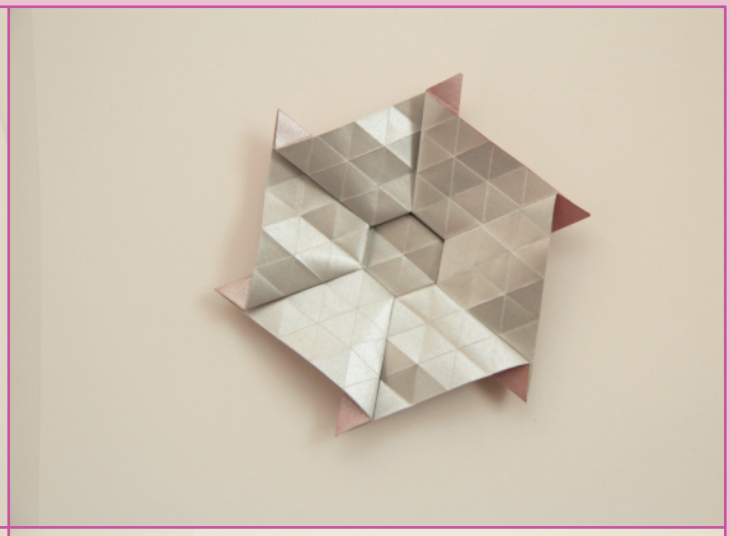


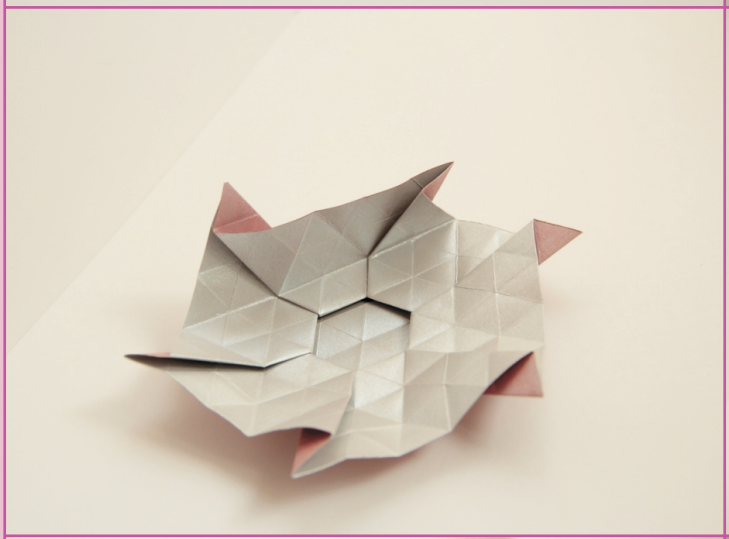






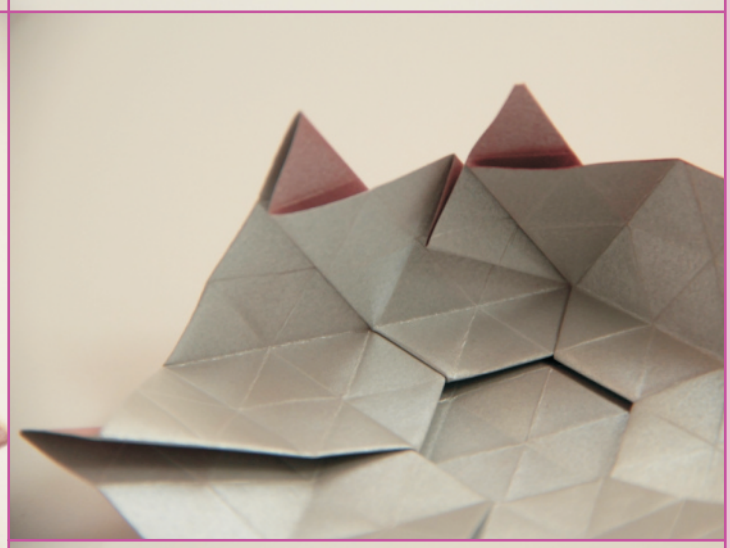


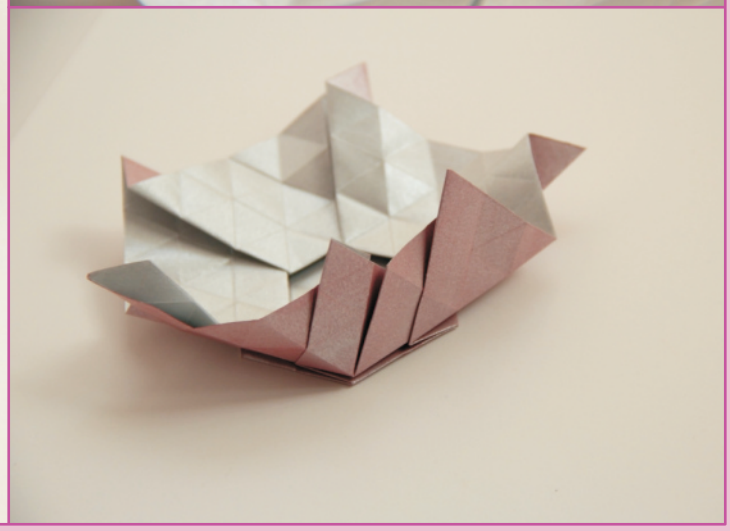


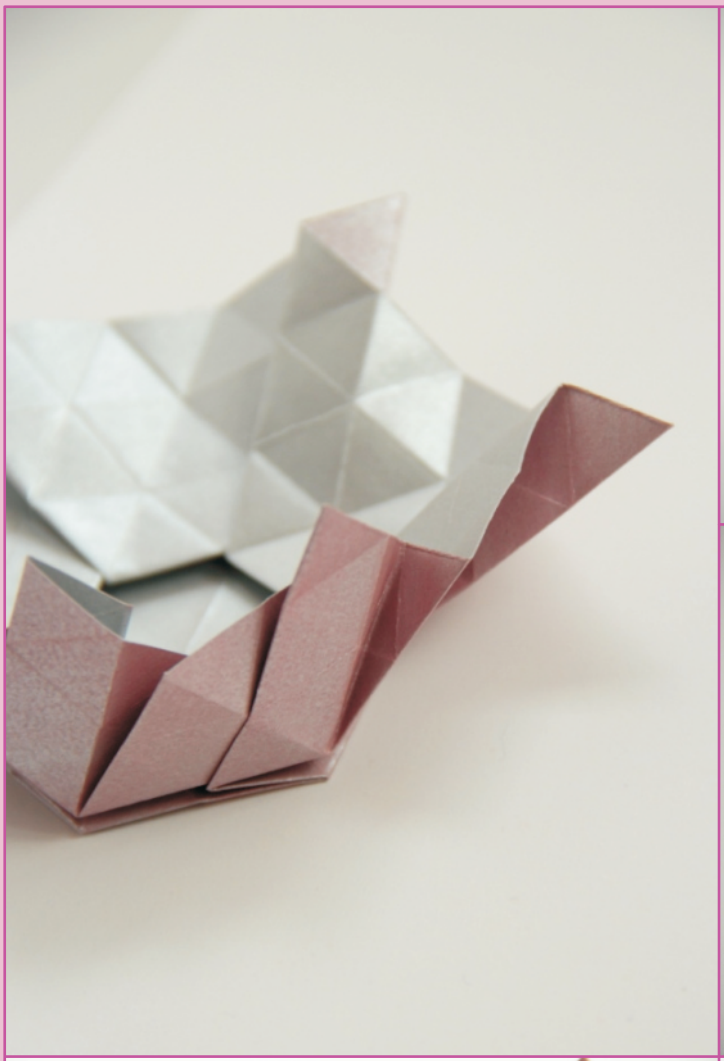


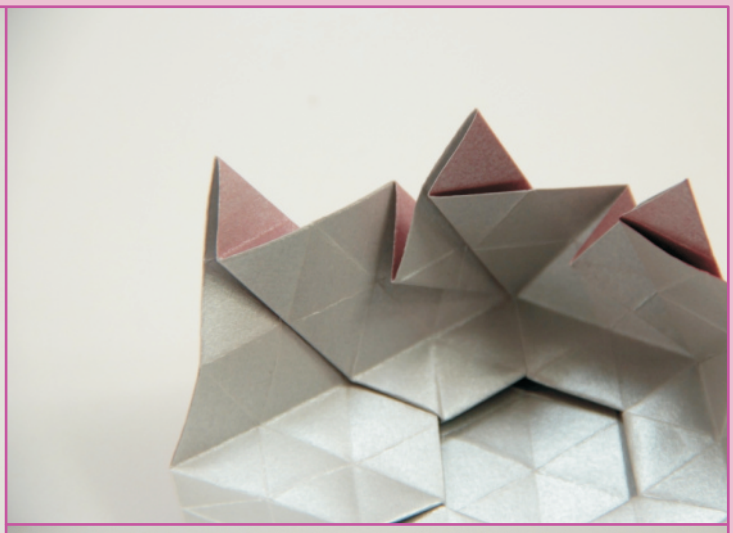


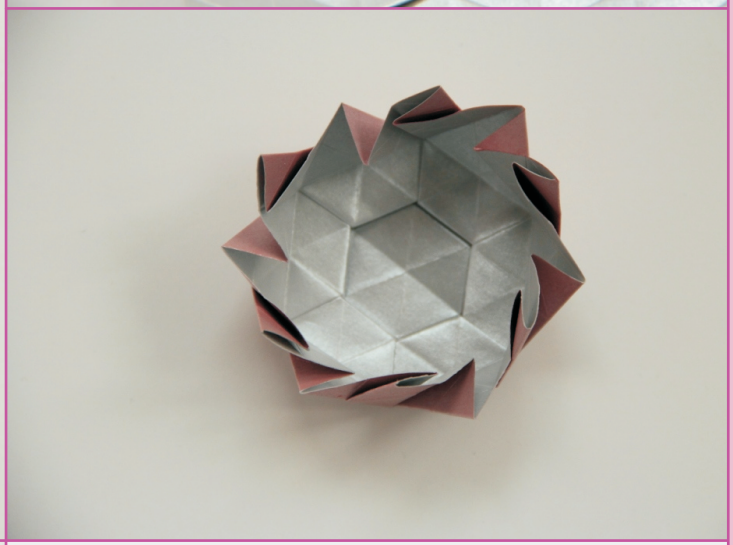


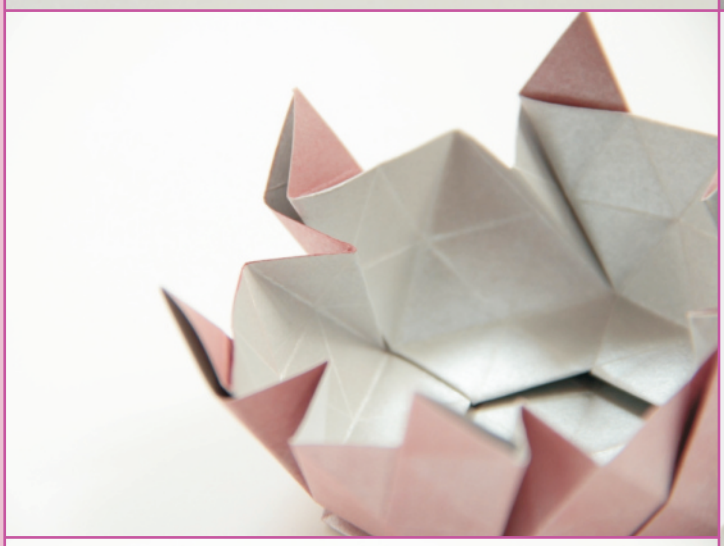


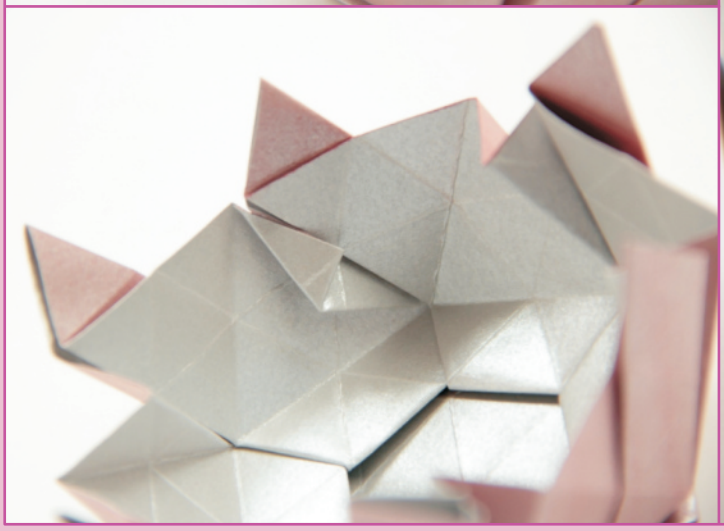




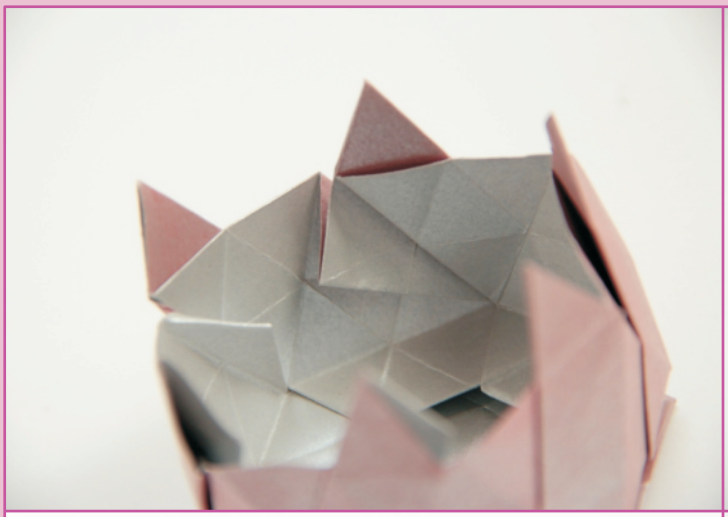
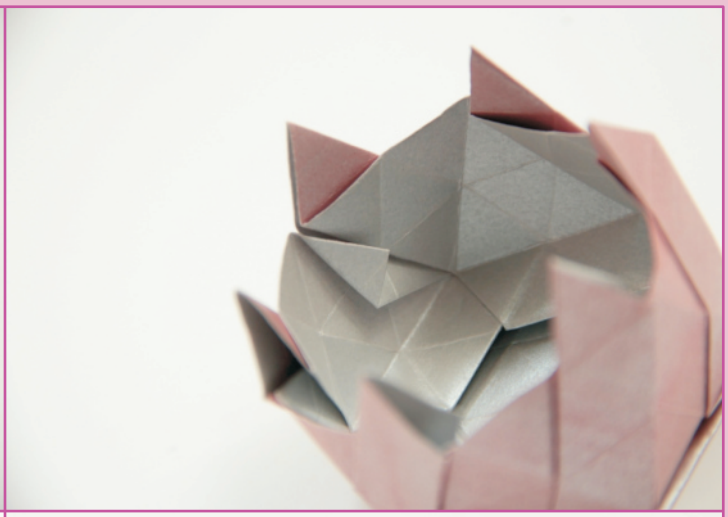


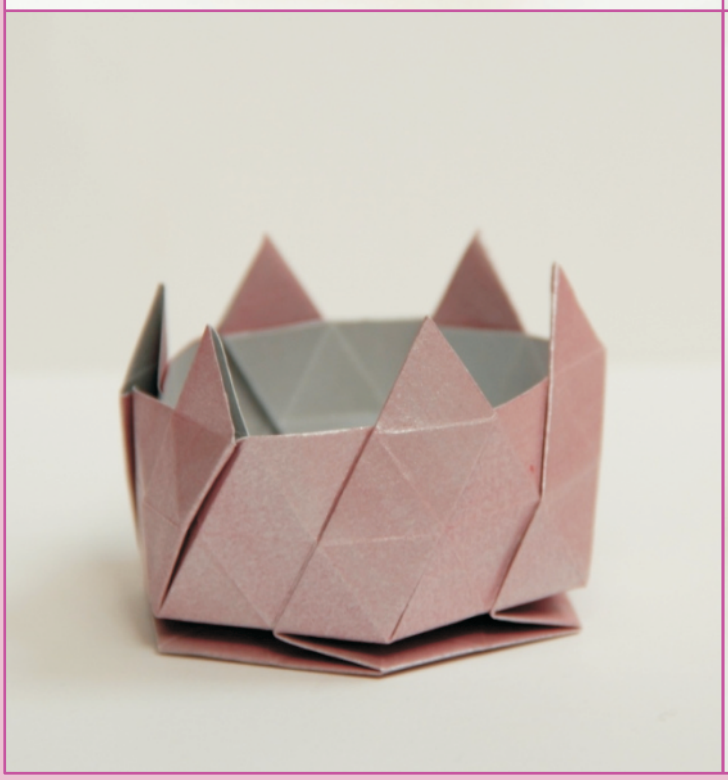








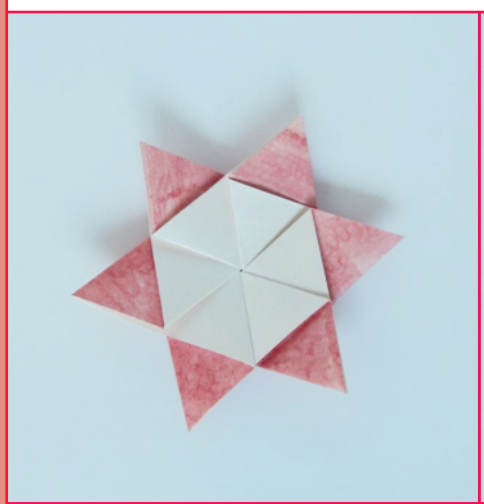
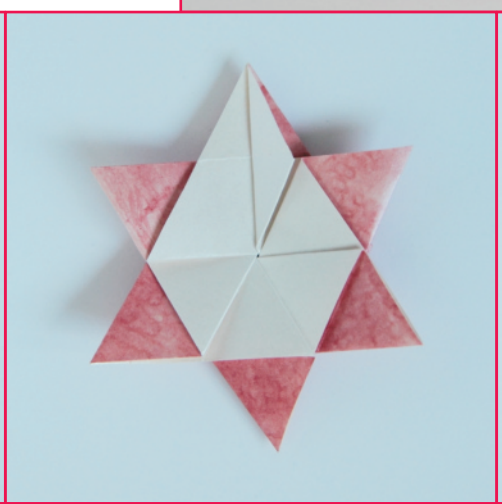
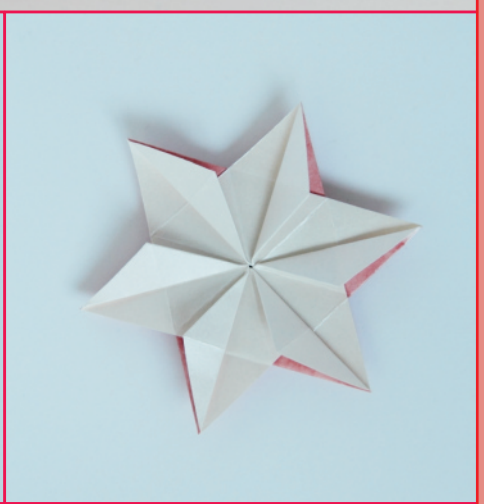



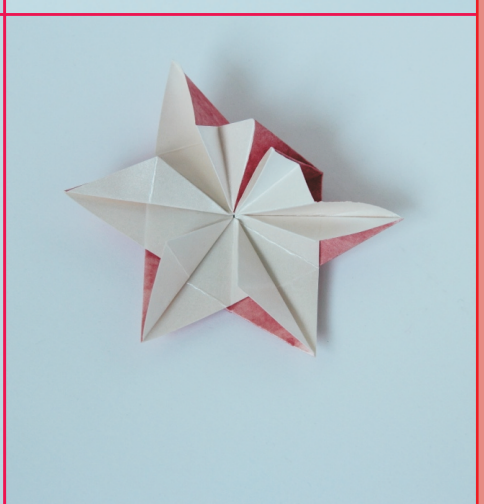

CANDLESTICK '6'

IRENA JANAS

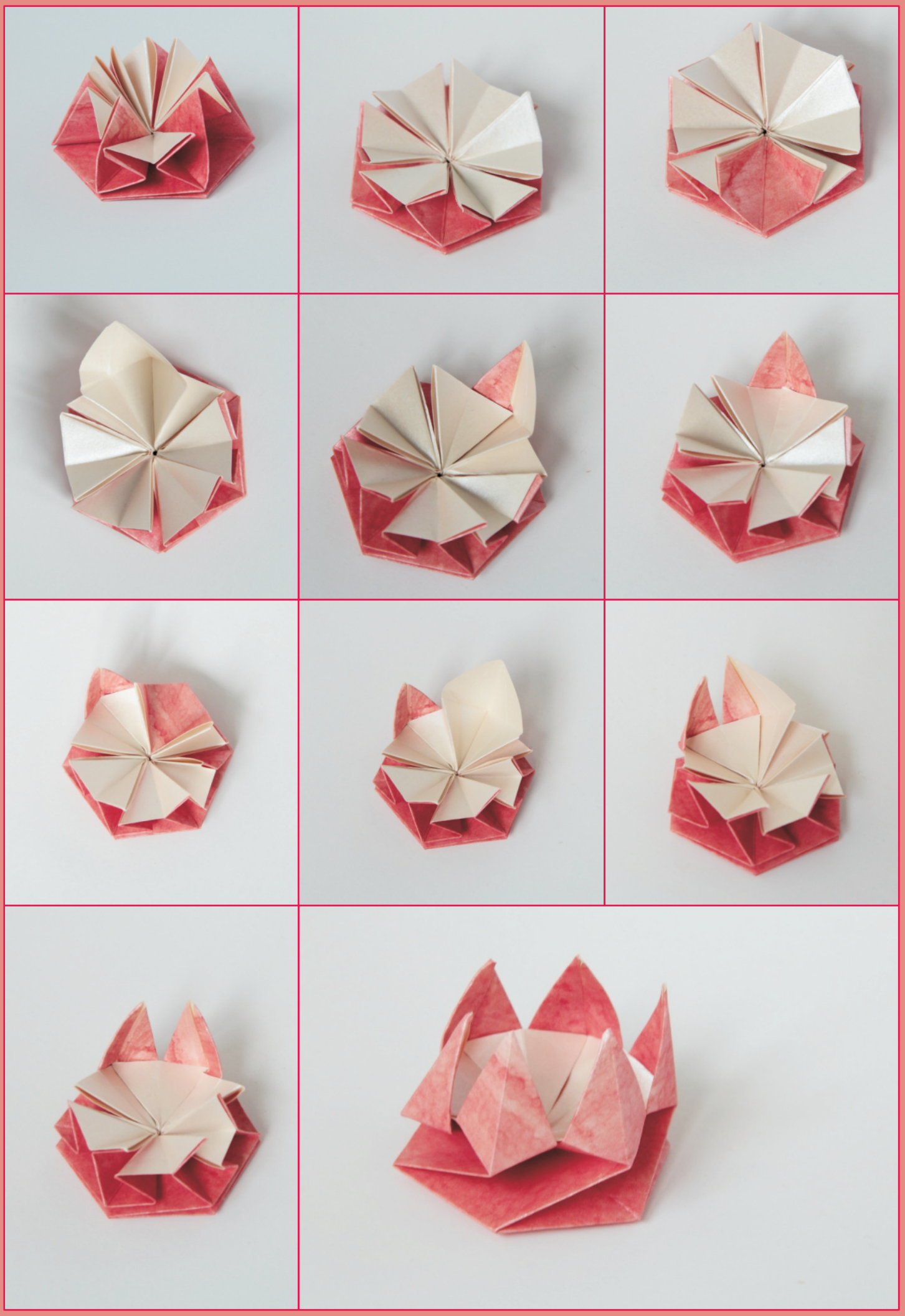


Prepare a hexagon with triangle grid divided into 6 and fold it as shown on page 38.

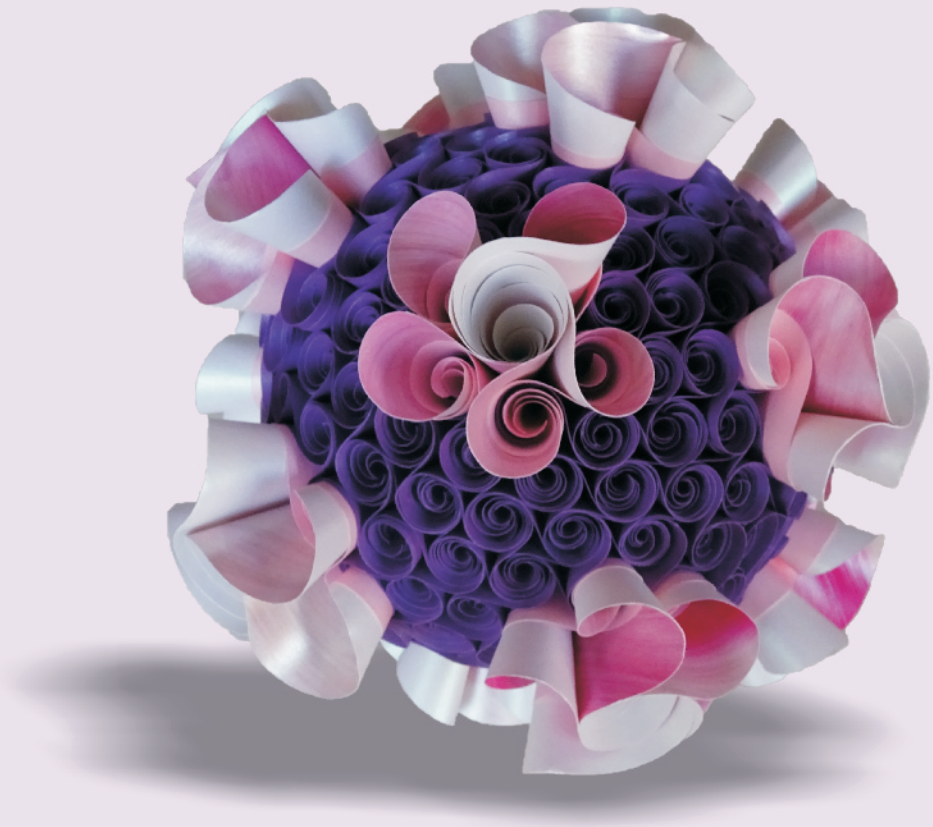


Variation: curl all edges.







Krystyna Burczyk

TWIRL - NOT QUITE AS A CRANE

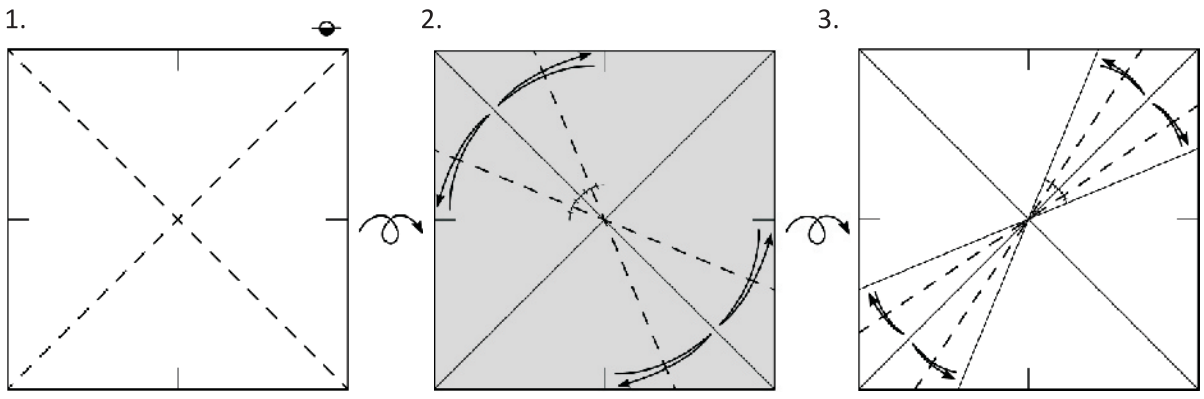
Nie całkiem jak żuraw

KRYSTYNA BURCZYK (01.01.2016)

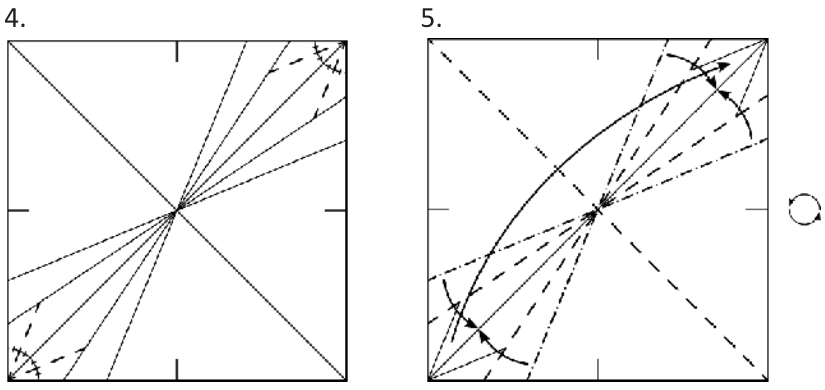
K16021, 01.01.2016

Diagram:
Krystyna & Wojtek Burczyk (2019)



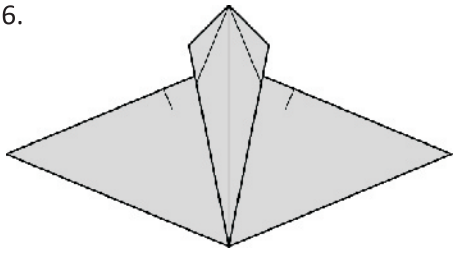


Place midpoints at the diagonal

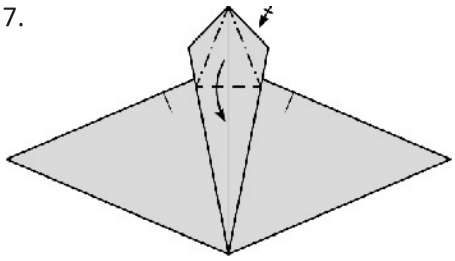


© Krystyna Burczyk, 2016-2019

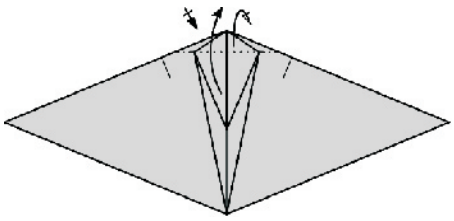
6.



7.

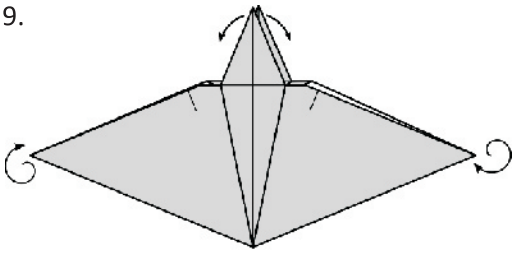


8.



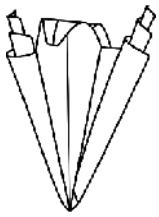
Fold the small triangle inside the module and the flap up. Repeat at the other side.

9.



Curve “wings” a little and twist “neck” and “tail” into spirals

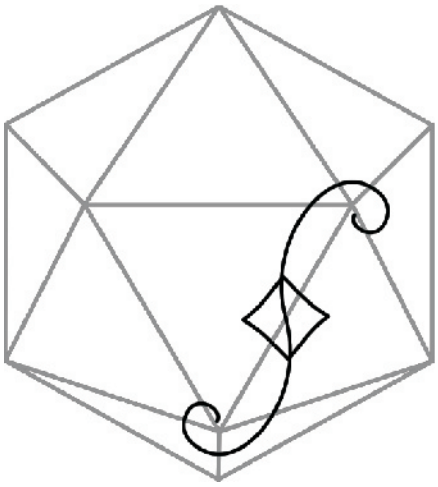
10.





x 30

Assemble according to the structure of the icosahedron. A module corresponds to an edge of the polyhedron. Five spirals join at every vertex.





© Krystyna Burczyk, 2016-2019

TWIRL - SADNESS

SmutEk / Tristeza

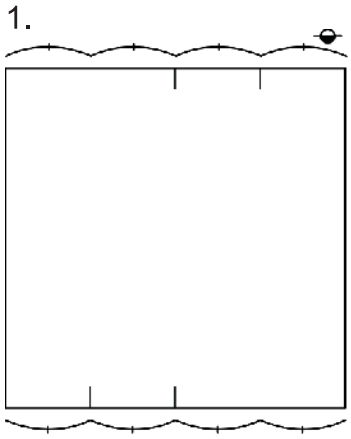
KRYSTYNA BURCZYK

K17020, *04.06.2015*

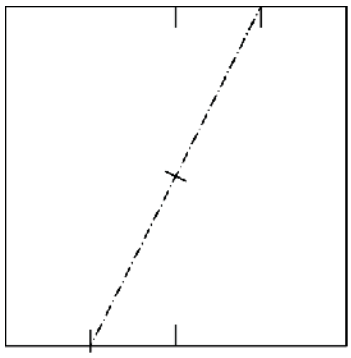
Diagram:
Krystyna & Wojtek Burczyk (2019)



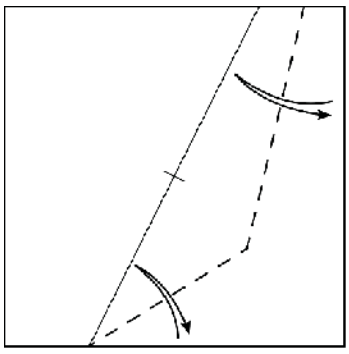
1.



2.

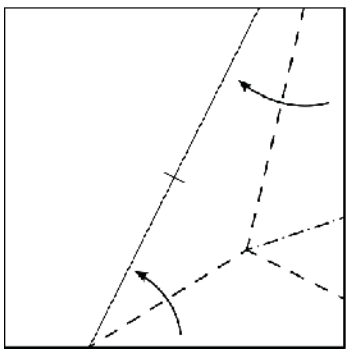


3.

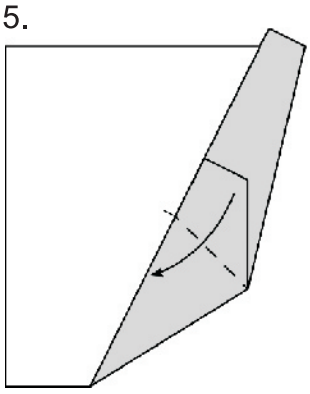


Fold the raw edges to the folded line.

4.

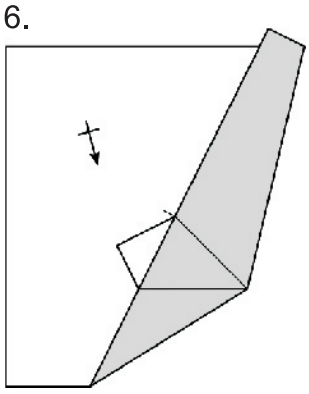


5.



Fold a rabbit ear along pre-folded lines. Make new valley creases to the center of the paper.

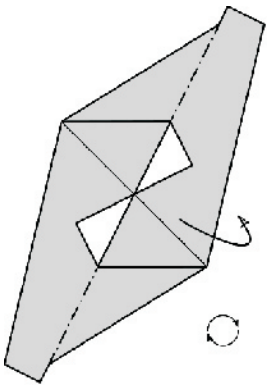
6.



Repeat at the other half of the sheet

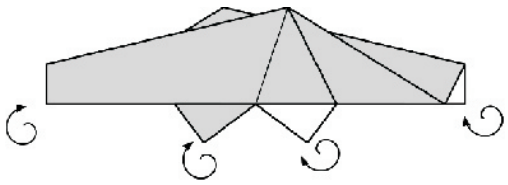
© Krystyna Burczyk, 2015-2019

7.



Fold the bottom layer only.

8.



Twist two long spirals and two short spirals.

9.



The module is ready



x 90

Assemble according to the truncated icosahedron (buckyball) structure. A module corresponds to an edge of the polyhedron.

Short spirals join at a vertex, long spirals join at the center of a face.



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TWIRLS - BACILLUS OF LUCK

Bakcyl szczęścia / Bacilo de Felicidade

KRYSTYNA BURCZYK

K19003, 29.10.2019

Diagram:
Krystyna & Wojtek Burczyk (2020)

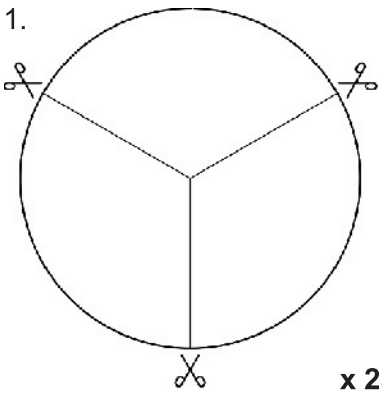




This work belongs to of my virus series I started about two years before the pandemic.

Module 1 (lower)

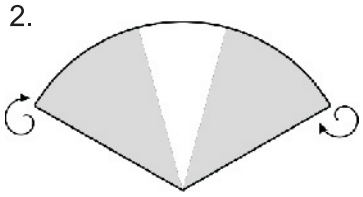
1.



x 230

Cut a circle into three equal parts.

2.



Twist shaded area.

3.



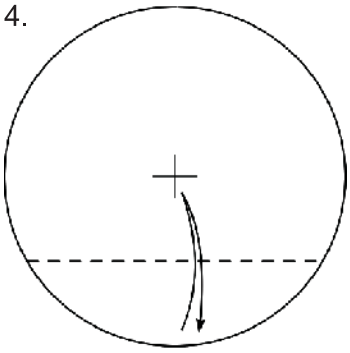
x 690



The lower module will be represented by a grey spiral or just a grey line.

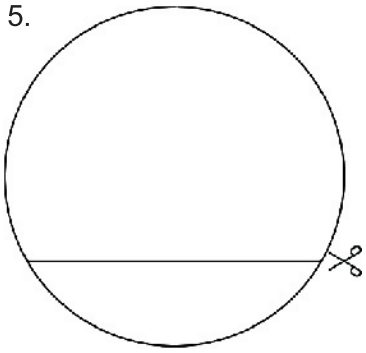
Module 2 (higher)

4.



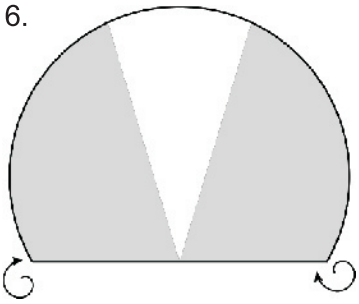
Fold the edge to the center of the circle

5.



Cut along the line

6.



Twist shaded area

7.





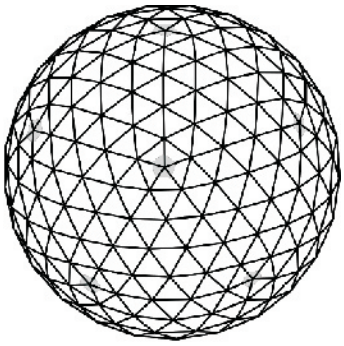
x 60



The higher module will be represented by a black spiral or a black segment.

© Krystyna Burczyk, 2019-2020

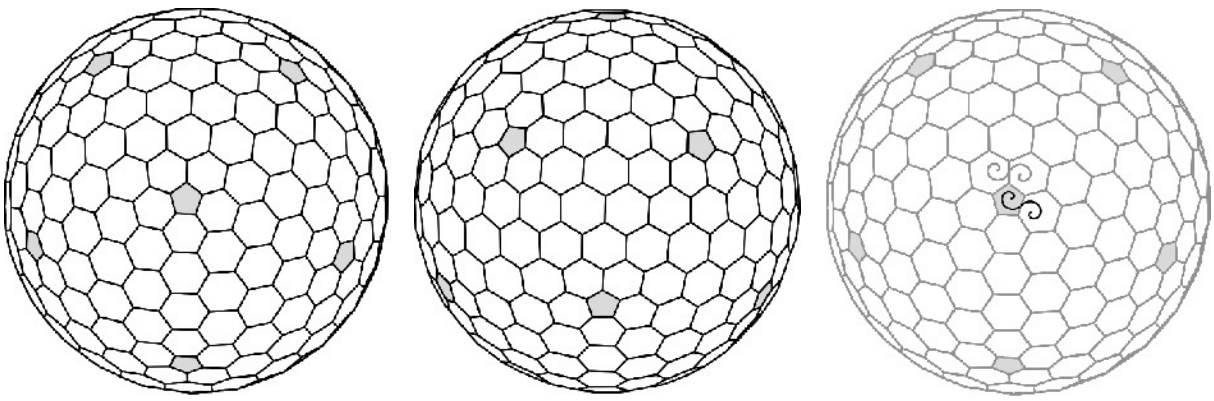
Assembly



The model is based on the structure of geodesic polyhedron GP [5.0] with triangle number 25 (a value frequently used for virus classification). There are 500 vertices (12 fivefold and remaining 488 six-fold) and 750 edges.

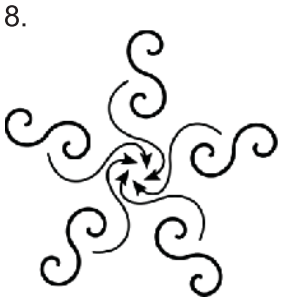
Modules correspond to edges. The higher modules meet in a fivefold vertex, all remaining edges correspond to the lower modules.

It is easier to follow the structure when the dual polyhedron is used – the Goldberg Polyhedron GP [5, 0]. It has 500 faces, 12 pentagons and 488 hexagons. A module joins centers of two adjacent faces. A vortex corresponds to a face, a pentagon corresponds to a vortex of 5 higher modules, while a hexagon may correspond to a vortex of 6 lower modules or to a vortex of 1 higher module and 5 lower modules (the latter case when a hexagon have a common edge with a pentagon).



To start assembly join modules into 12 flowers of 5 higher modules in the center and 5 lower modules around each. They will correspond to pentagons.

8.

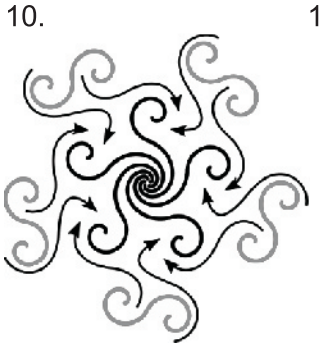


9.





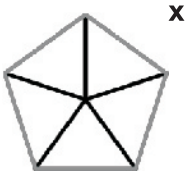
10.



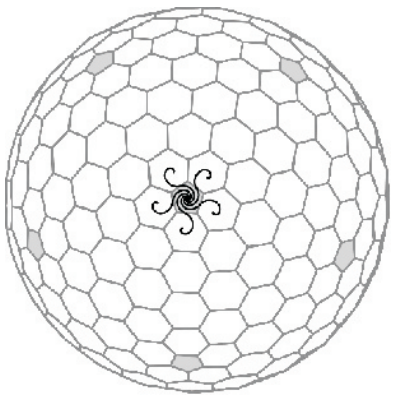
11.

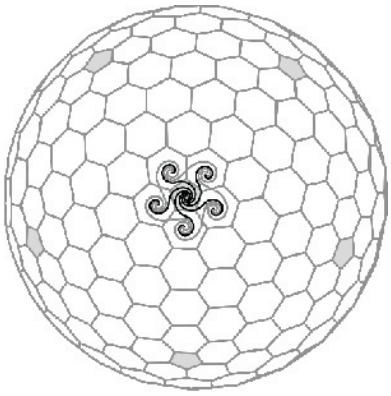


x 12



© Krystyna Burczyk, 2019-2020





We will also use partial vortexes of two or three lower modules but they may be joined as needed.

12.



13.



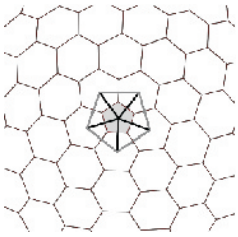
14.



15.

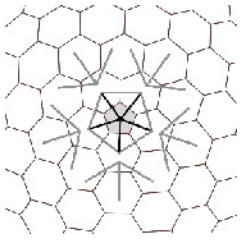


15.



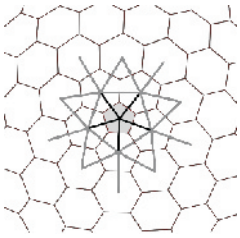
Start with the pentagonal flower of 10 modules There are 5 vortexes of 3 spirals each around the flower.

16.

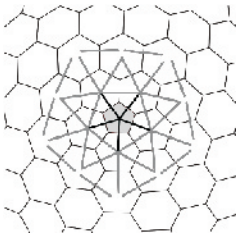


Add partial vortexes of 3 lower modules to create 6-spiral vortexes. Join loose ends of adjacent spirals.

17.

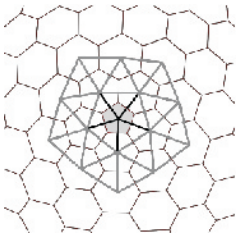


18.



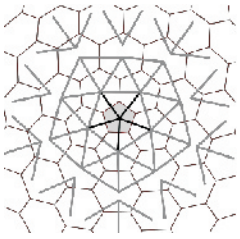
Add 10 lower modules around.

19.

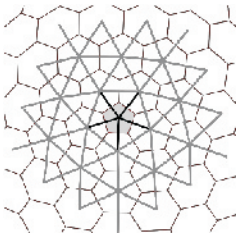


There are 5 vortexes of 4 spirals and 5 vortexes of 3 spirals around the model.

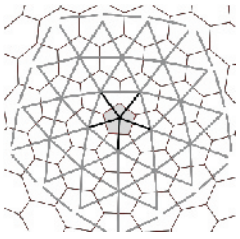
20.



21.



22.

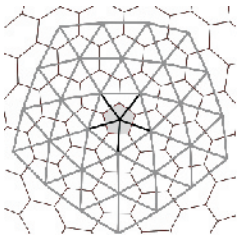


Add partial vortexes of 3 lower modules to 3-spiral vortexes and partial vortexes of 2 lower modules to 4-spiral vortexes. Finally all vortexes have 6 spirals. Join loose ends of adjacent spirals.

Add 15 lower modules around.

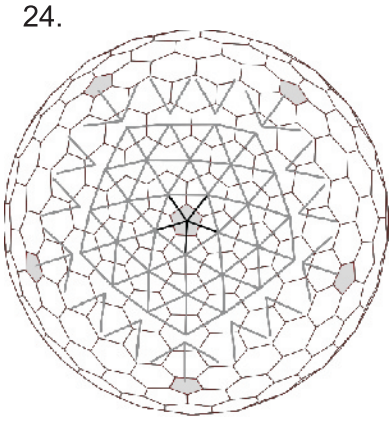
© Krystyna Burczyk, 2019-2020

23.

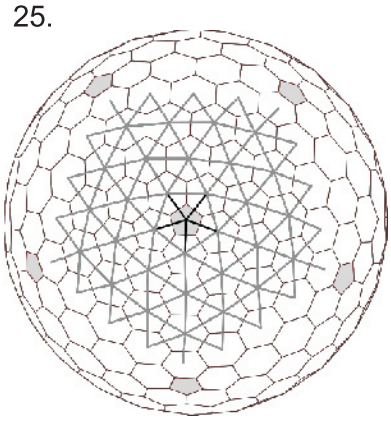


Again there are vortexes of 4 spirals and 3 spirals around the model.

24.

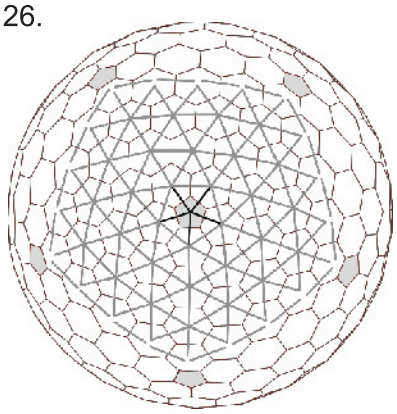


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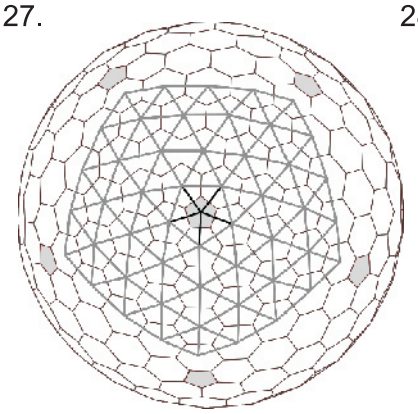
Add partial vortexes to have 6 spirals everywhere.

26.

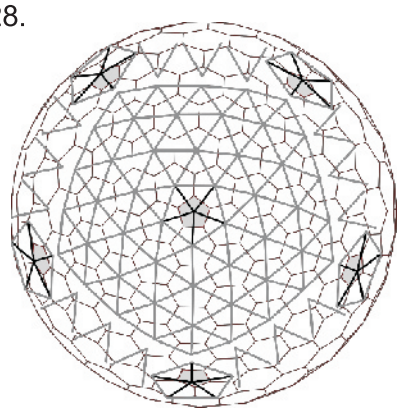


Add lower modules around.

27.

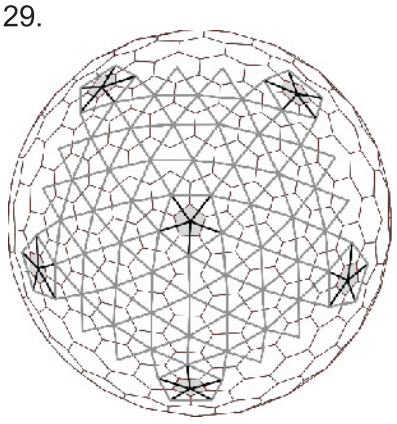


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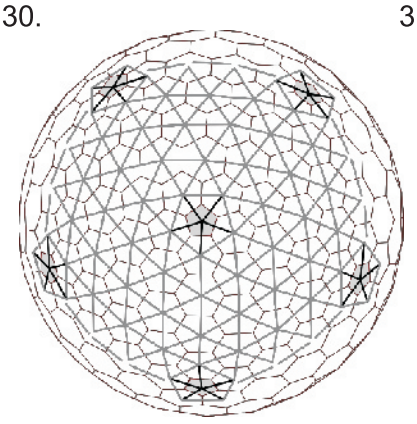


Attention, we are approaching the pentagons in our structure. Add pentagonal flowers to the vortexes of 3 spirals and add spirals to other vortexes to have 6-spiral vortexes everywhere.

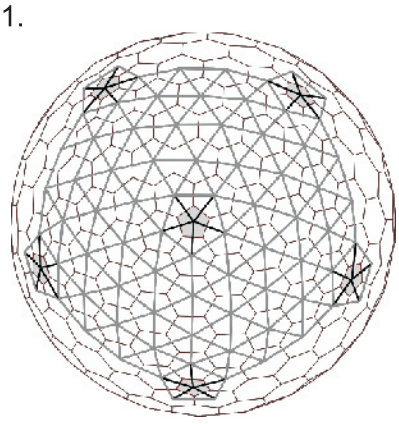
29.



30.



31.



Continue the process of two alternate steps: line of single modules around and creating 6- spiral vortexes around. Remember to place 5-spiral flowers when you approach next pentagons. In the last step place the 5-spiral flower and close the model.

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VOLTINHAS - LISBOA

Kręciołki - Lizbona / Twirls - Lisbon

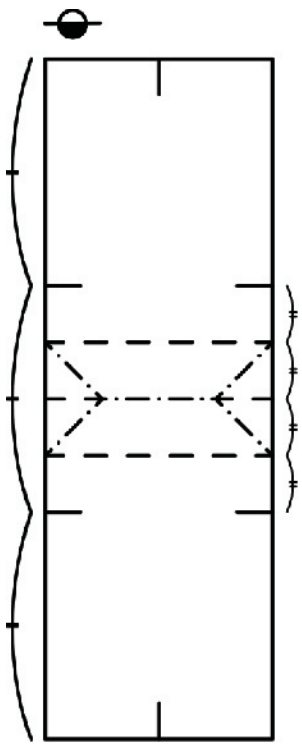
KRYSTYNA BURCZYK

K17022, 04.08.2017

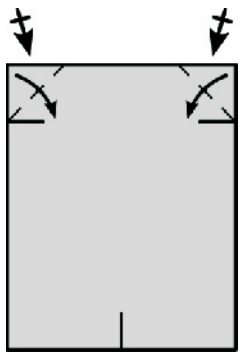
Diagram:
Krystyna & Wojtek Burczyk (2018)



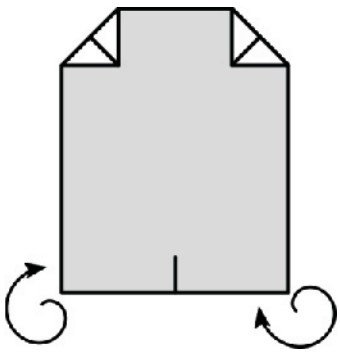
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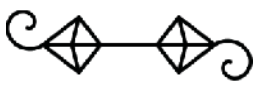
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3.

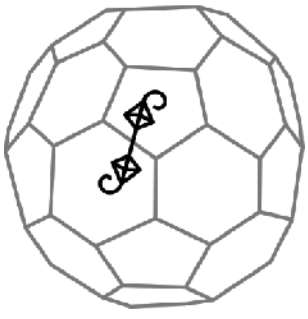


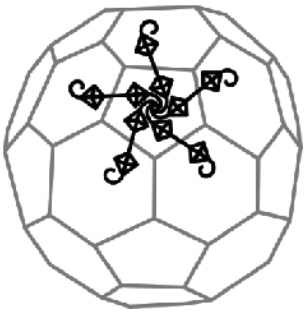
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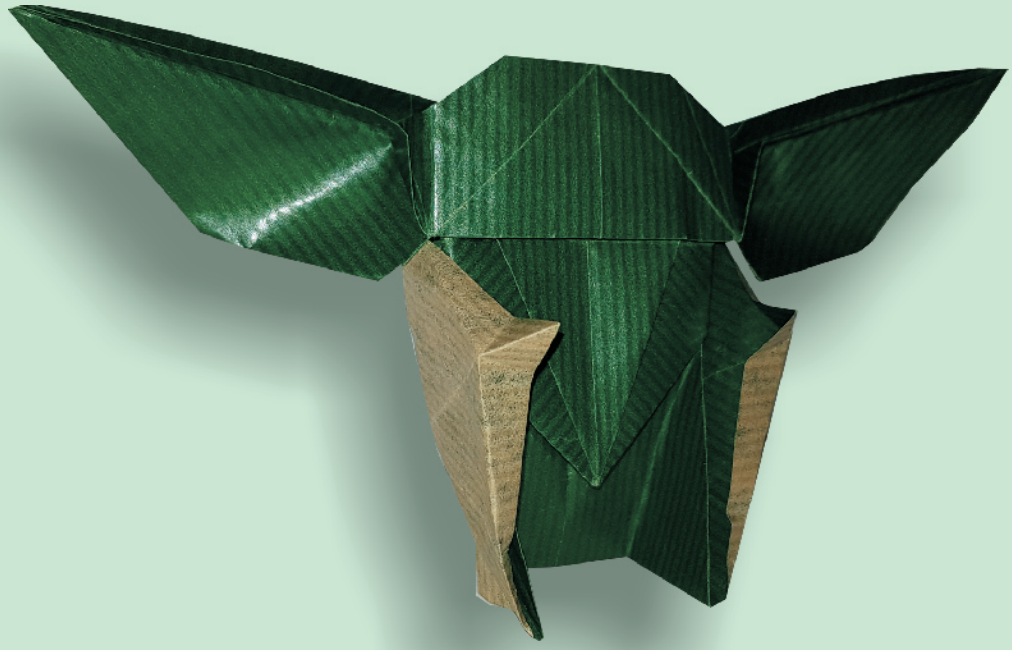
Make 90 modules







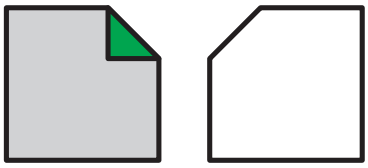
© Krystyna Burczyk 2017-2018



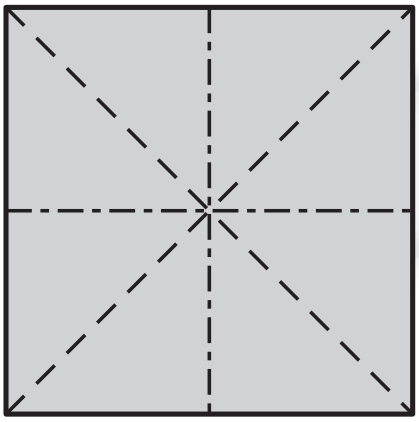
Krzysztof Basista

BABY YODA

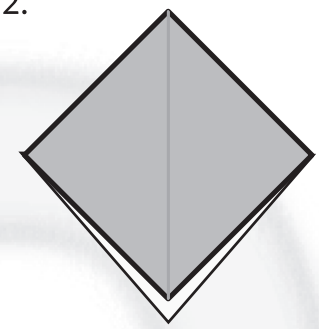
KRZYSZTOF BASISTA



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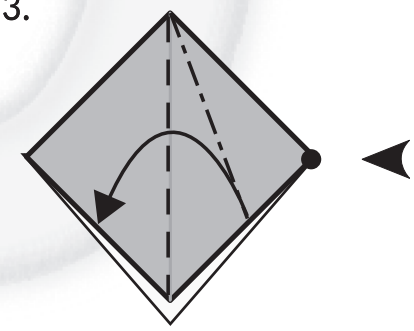


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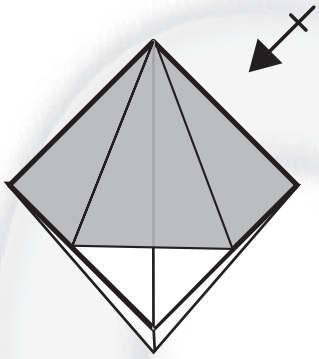


Baza kwadrat
Preliminary base

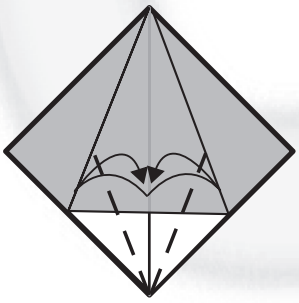
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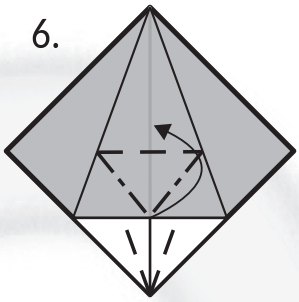
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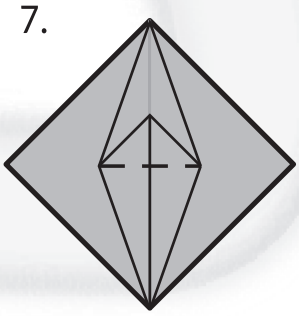
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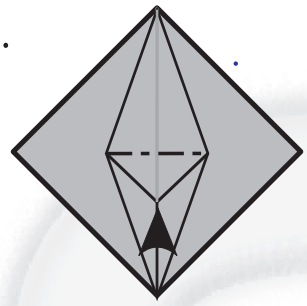
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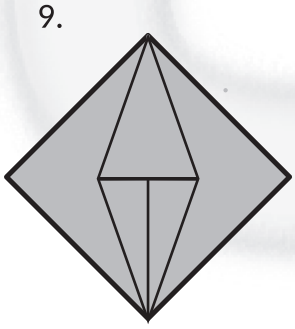
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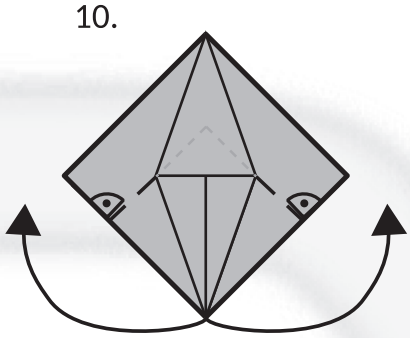
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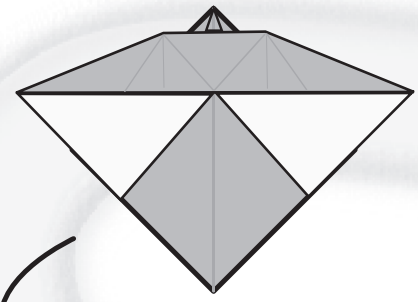
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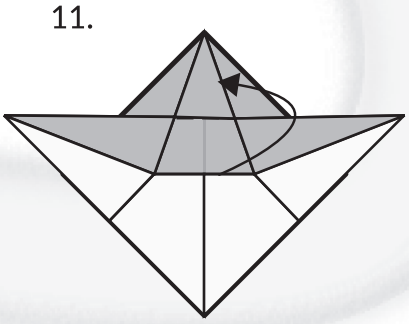
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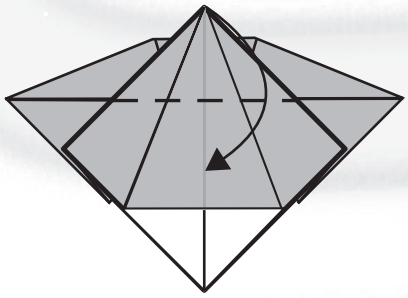
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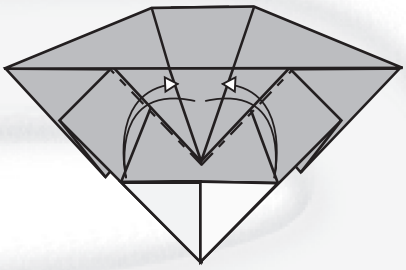
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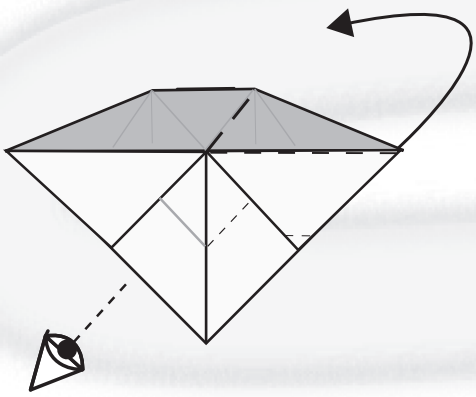
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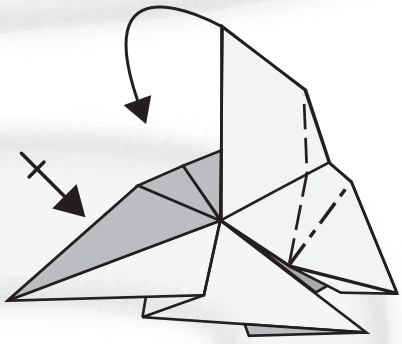
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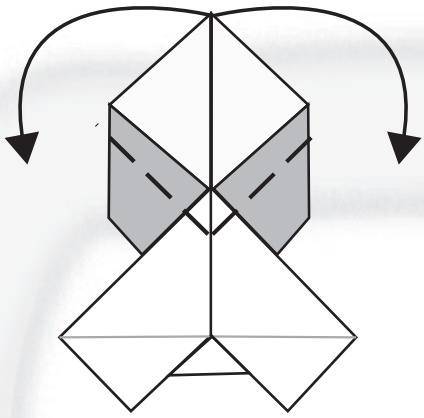
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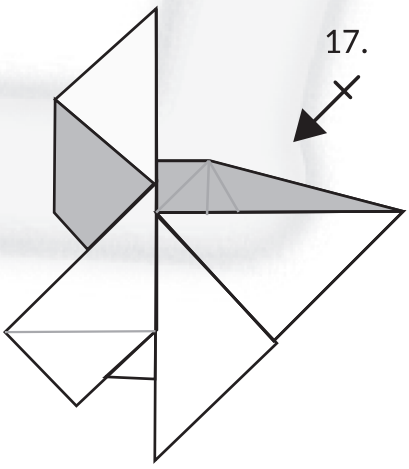
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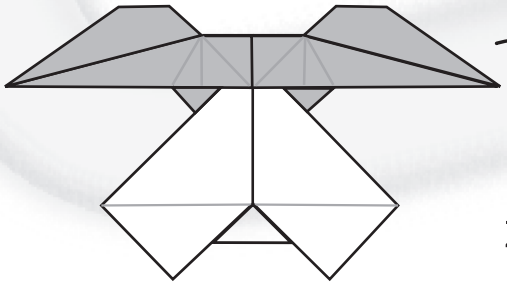
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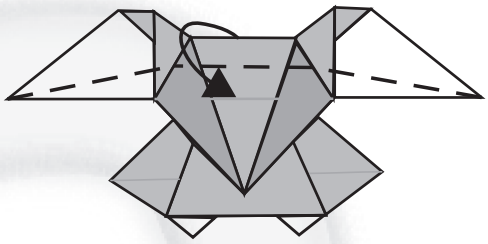
17.



19.

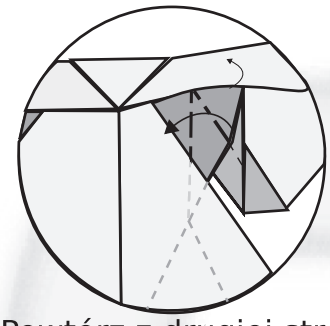


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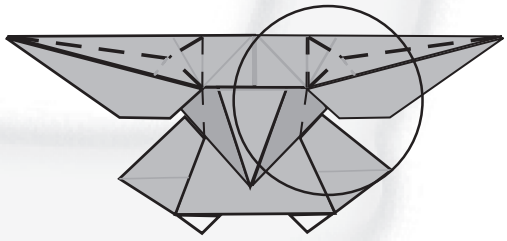
Zagiąć tylko jedną warstwę w 3D.
Fold only one layer in 3D.

22.



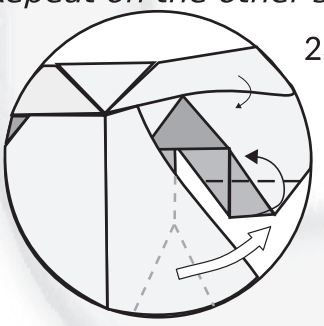
Powtórz z drugiej strony
Repeat on the other side

21.



Uformuj uszy w kształt 3D i odchyl je trochę do tyłu
Form ears in 3D shape and tilt them back a little

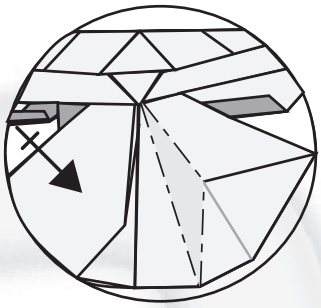
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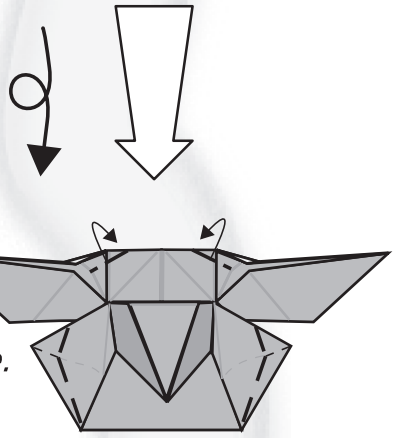
Powtórz z drugiej strony
Repeat on the other side

Niżej w przybliżeniu
Further down enlarged

24.

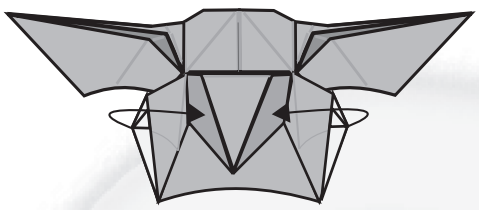


Uformuj w 3D i załóż wystający róg za ucho
Shape in 3D and bend protruding corner behind the ear



25.

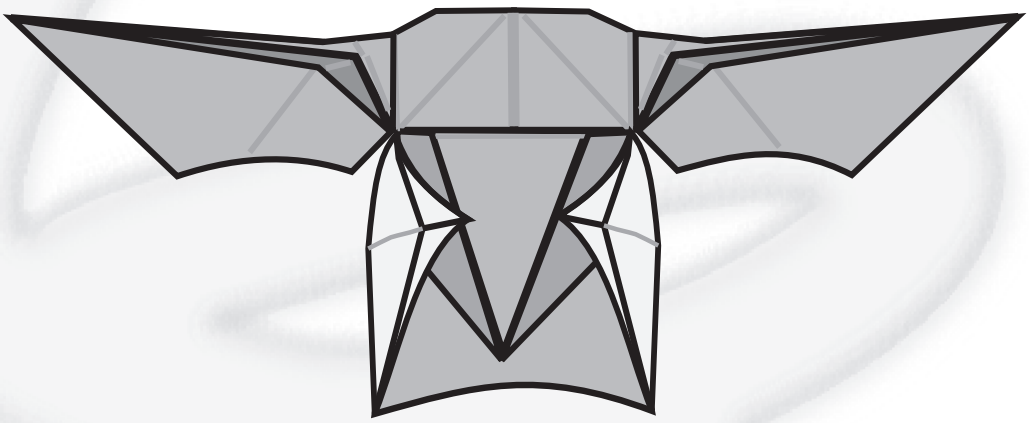
Złóż królicze uszy i
zagnij linię zaznaczoną szarym.
Fold rabbit's ears and fold the grey line.



26.

Zagnij warstwy "rąk"do środka
modelu.Uformuj model w 3D.
Bend "hands" layers to the middle
of the model.Form the model in 3D

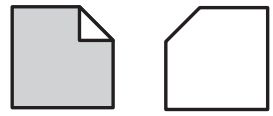
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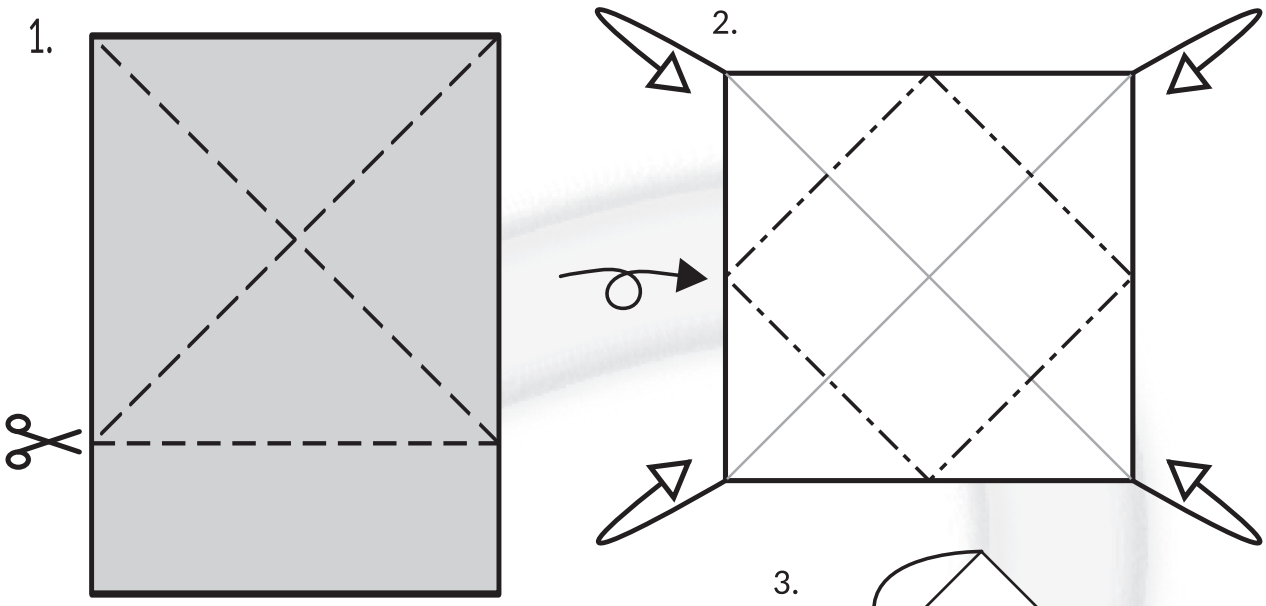


Ukończony model
Finished model

WOLVERINE CLAWS

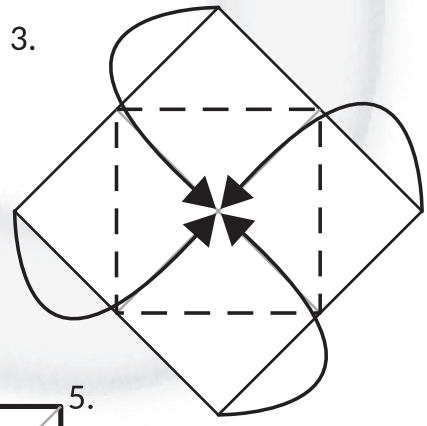
KRZYSZTOF BASISTA

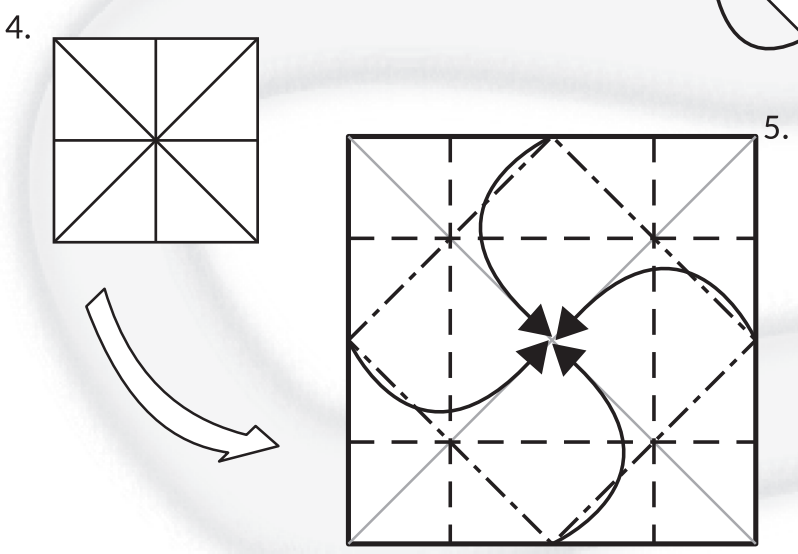


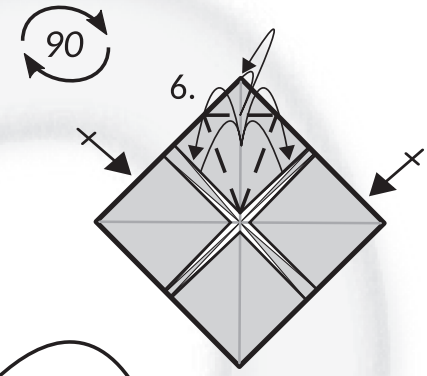


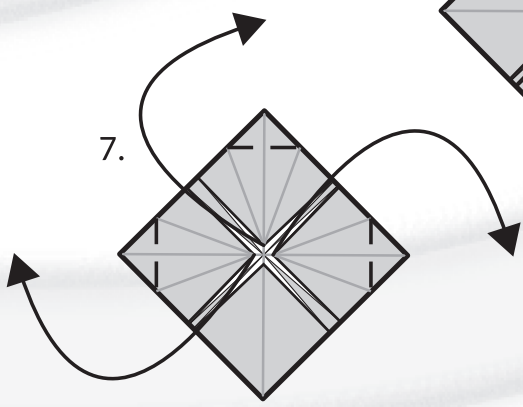
Do możliwej do założenia użyć formatu A3 i odcięty pasek posłuży do spięcia rękawicy

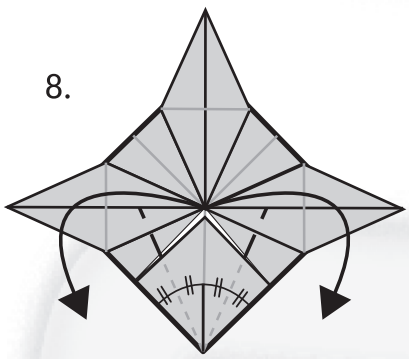
For sizeable gauntlet use A3 format and paper left after cut will be a strap for gauntlet



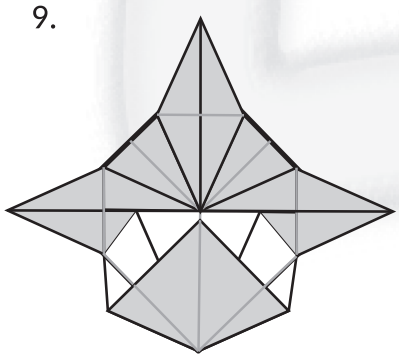




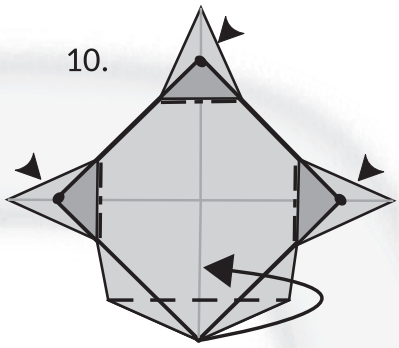




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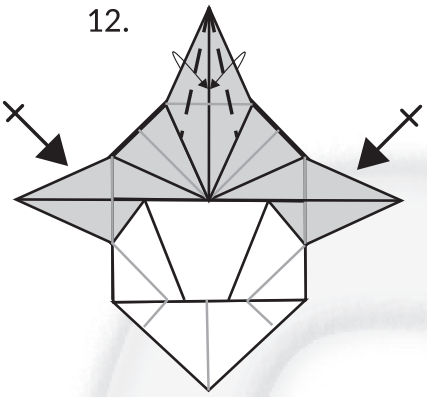


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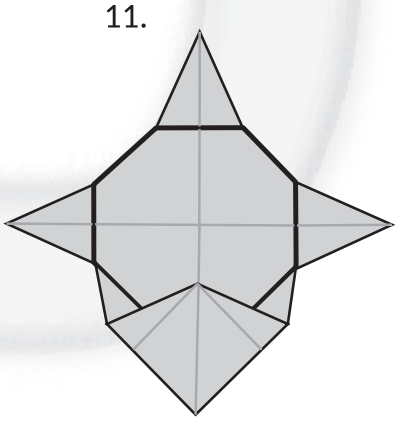


Złóż otwarte sinki i na dole zagnij jedną warstwę/ *Fold open sinks and at the bottom fold only one layer*

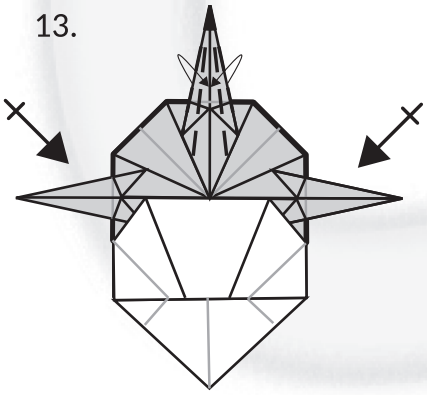
12.



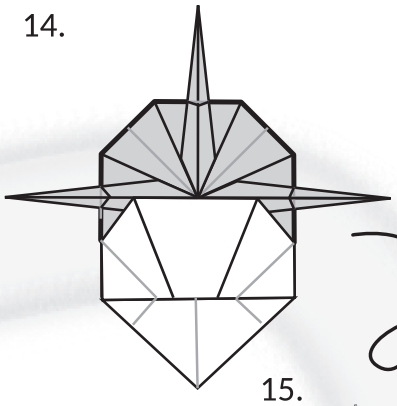
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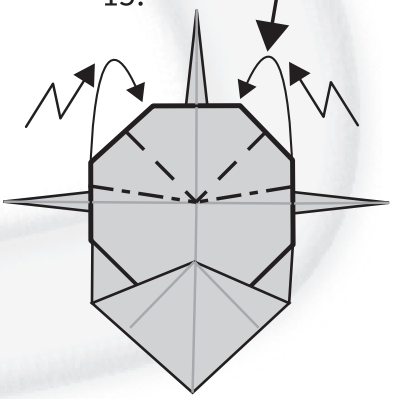
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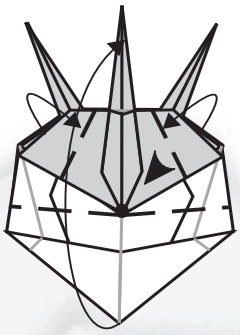
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15.

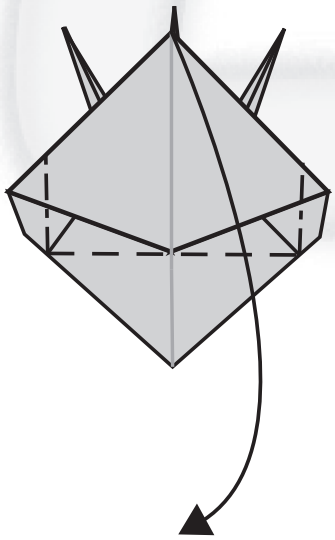


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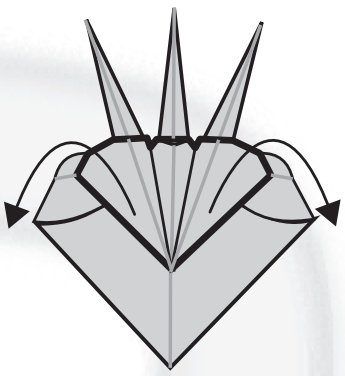
Uformuj w 3D jak "czapkę"/
Form in 3D like a "hat".

17.

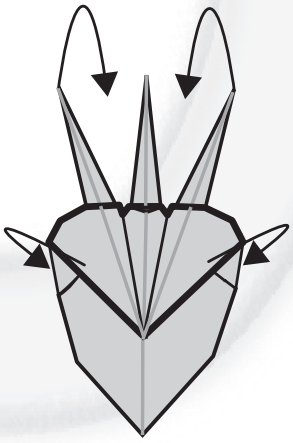




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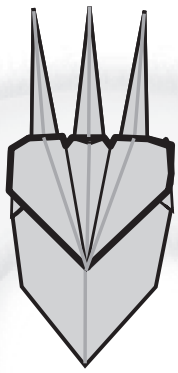


18.



Wymodeluj
Form the model.

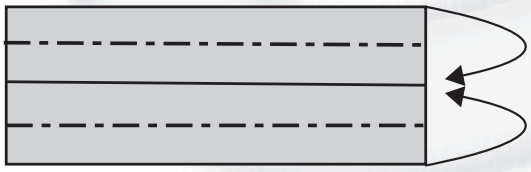
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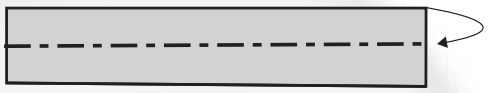
Ukończony model/
Finished model.

Pasek do trzymania
Holding strap.

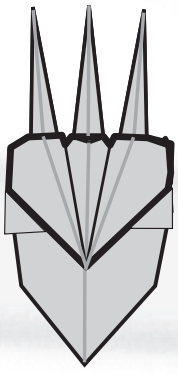
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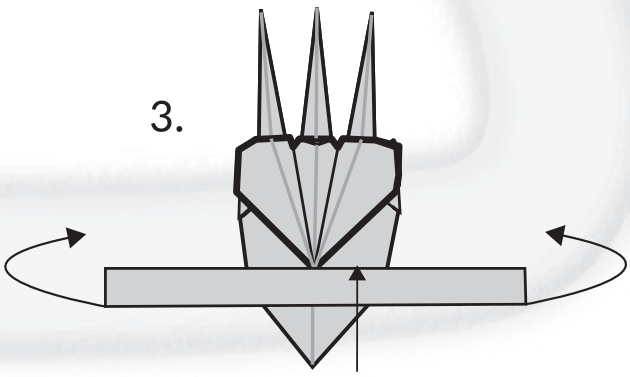
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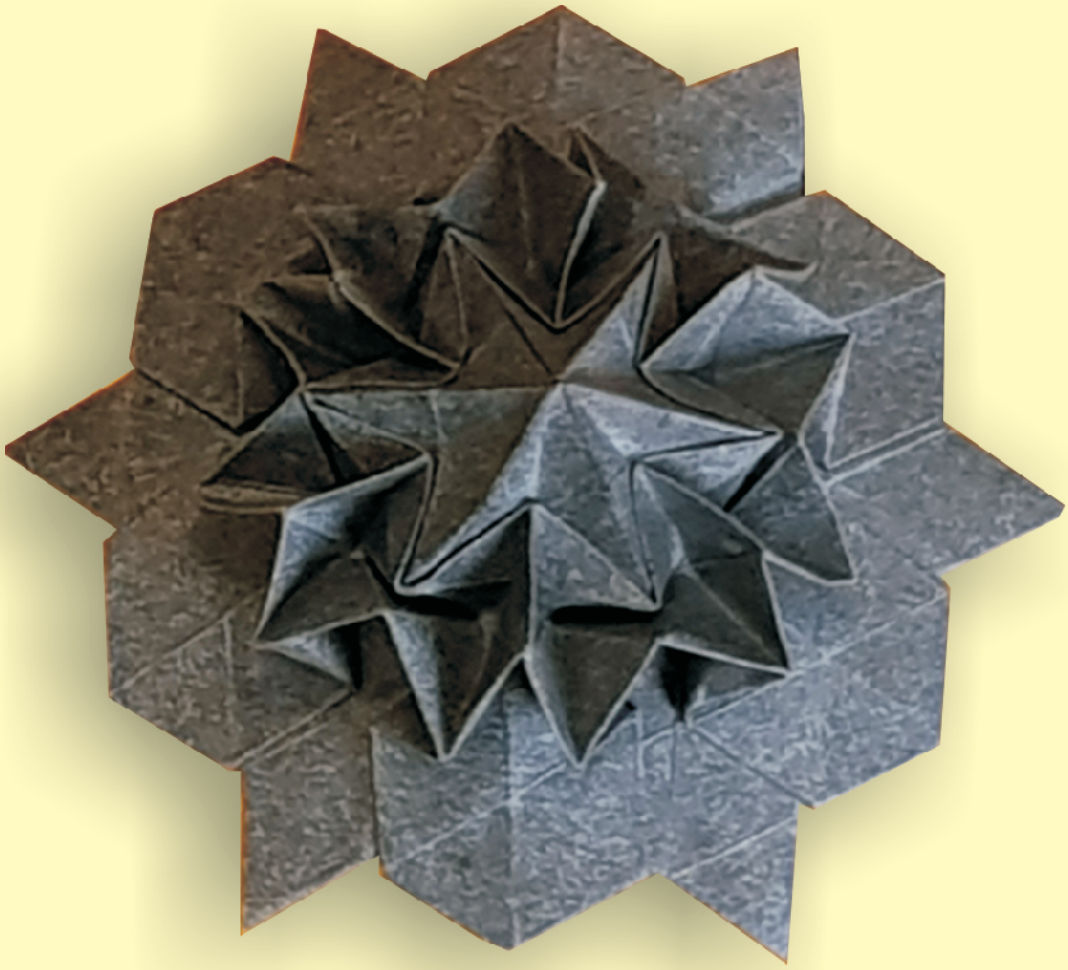


4.



3.





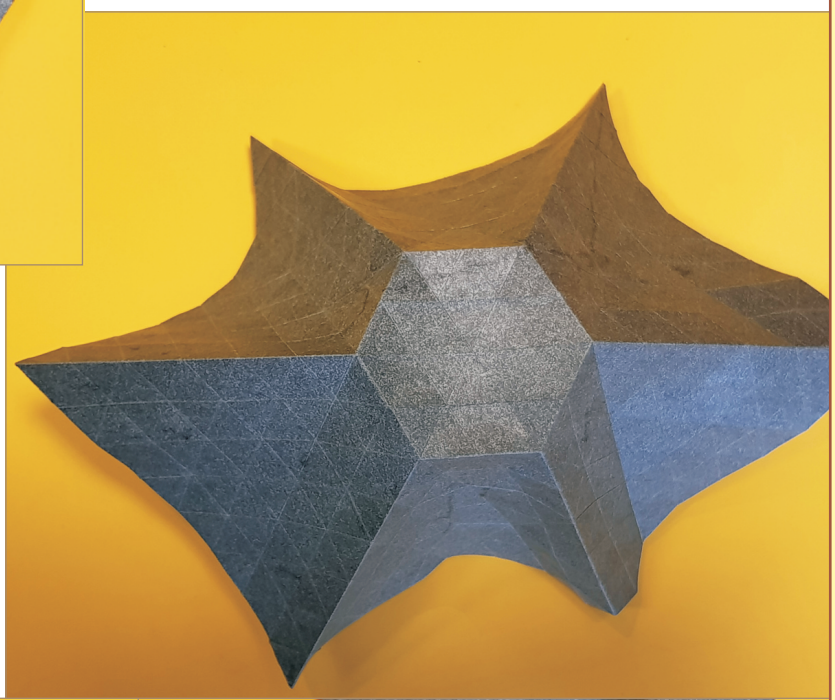
Małgorzata Łodo

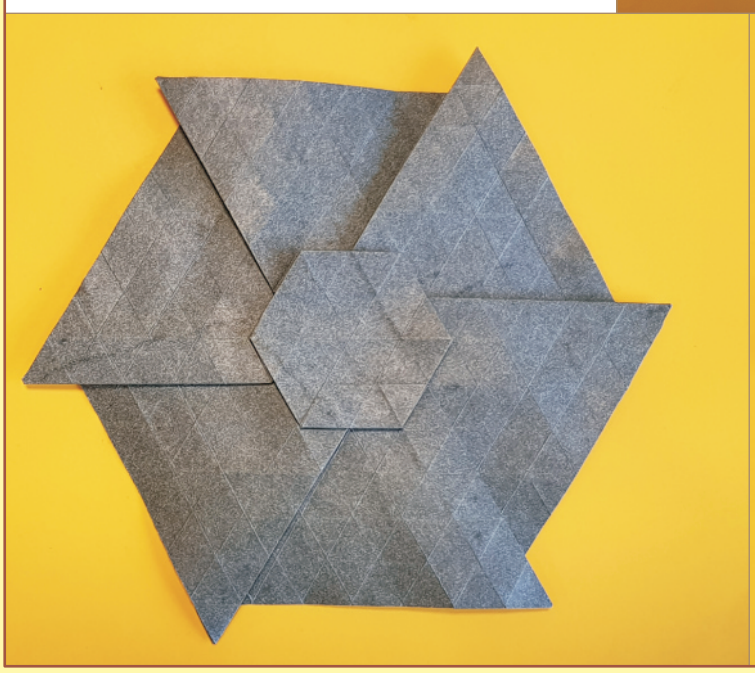
HATTER'S STAR

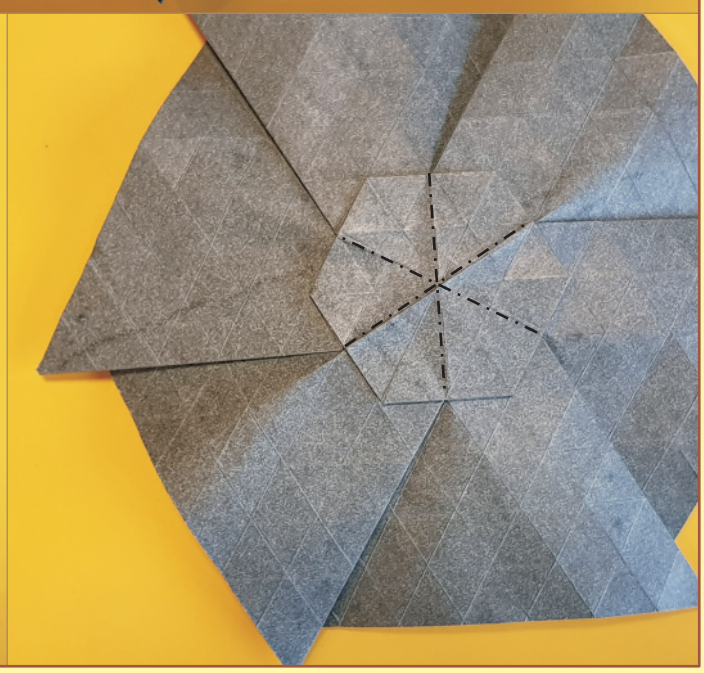
MAŁGORZATA ŁODO

Hexagon, triangle grid with division into 16



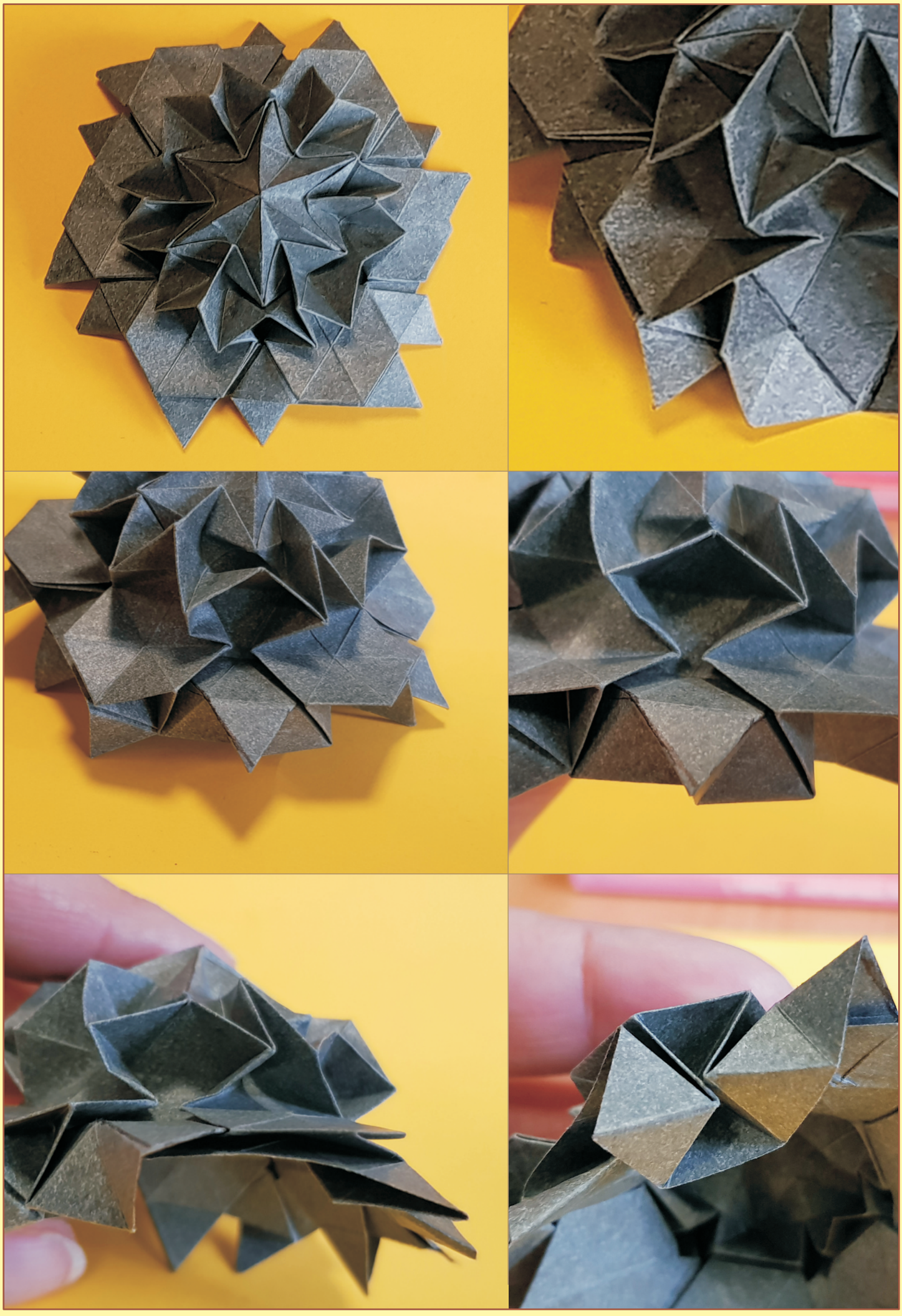


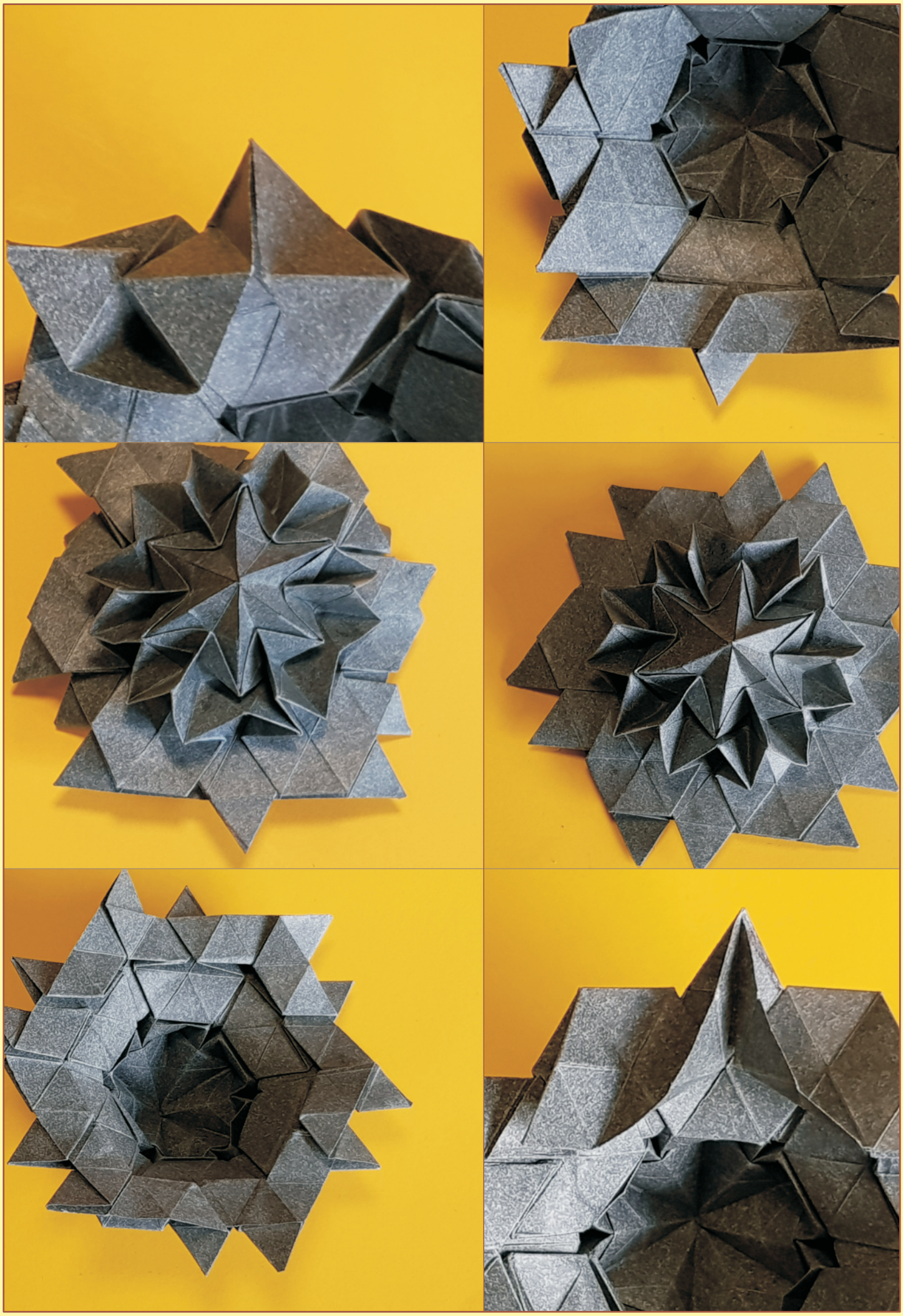


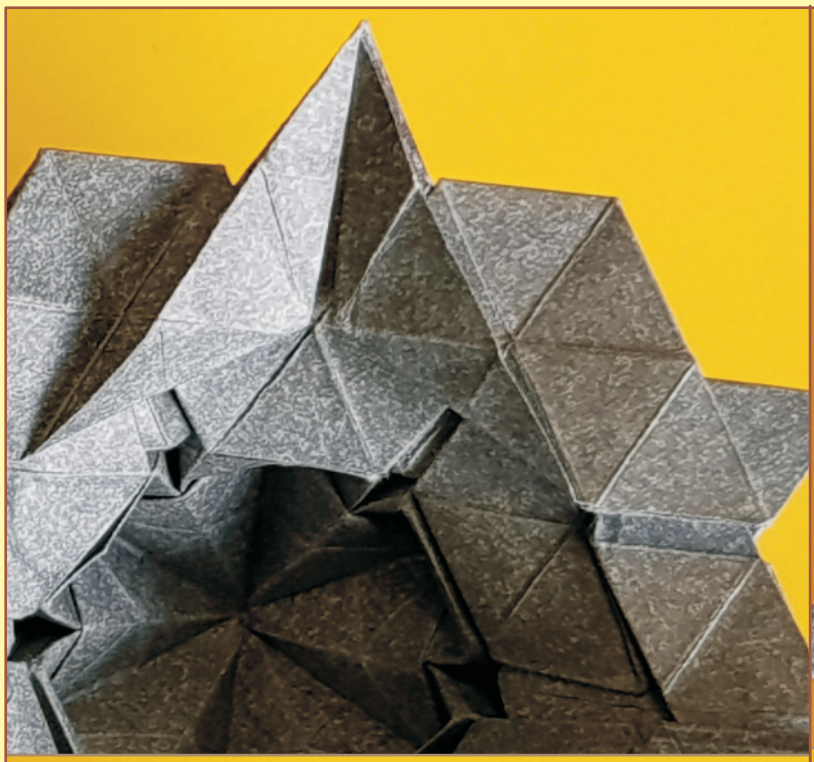








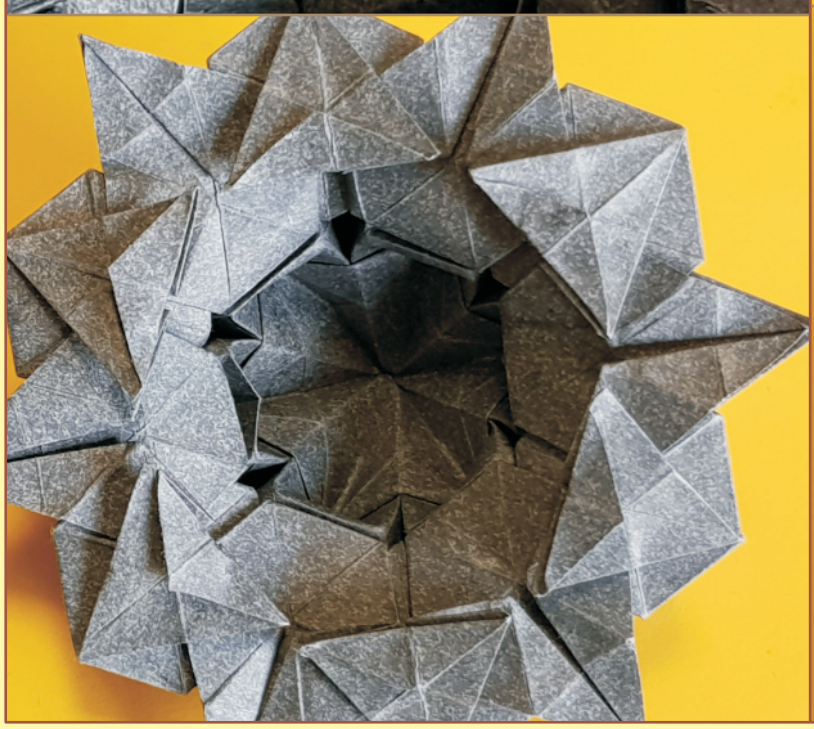






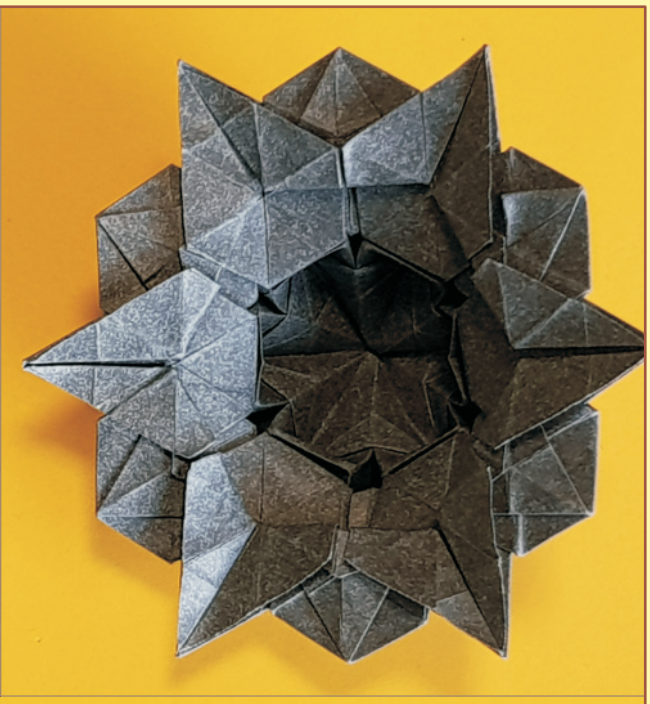


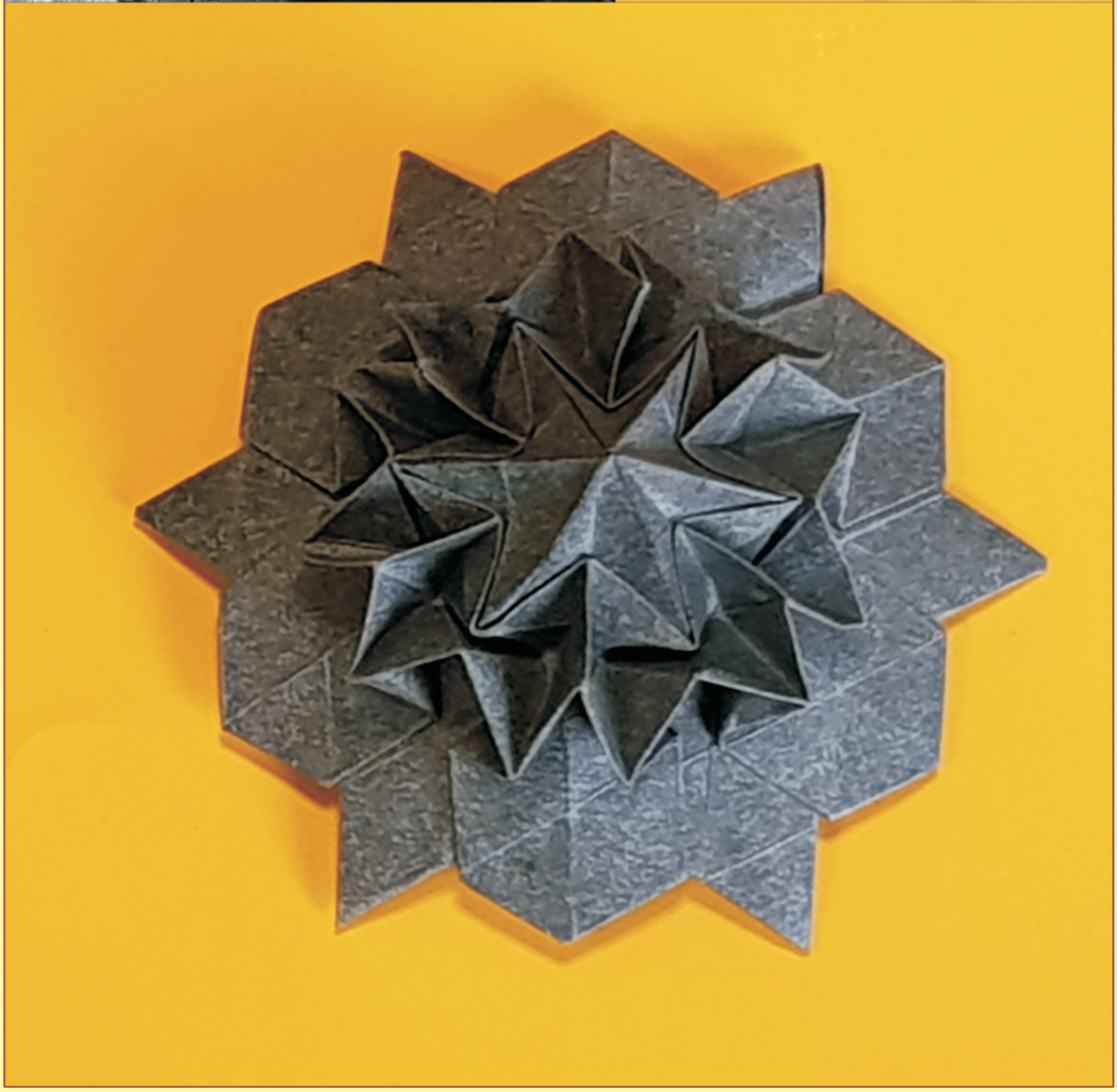


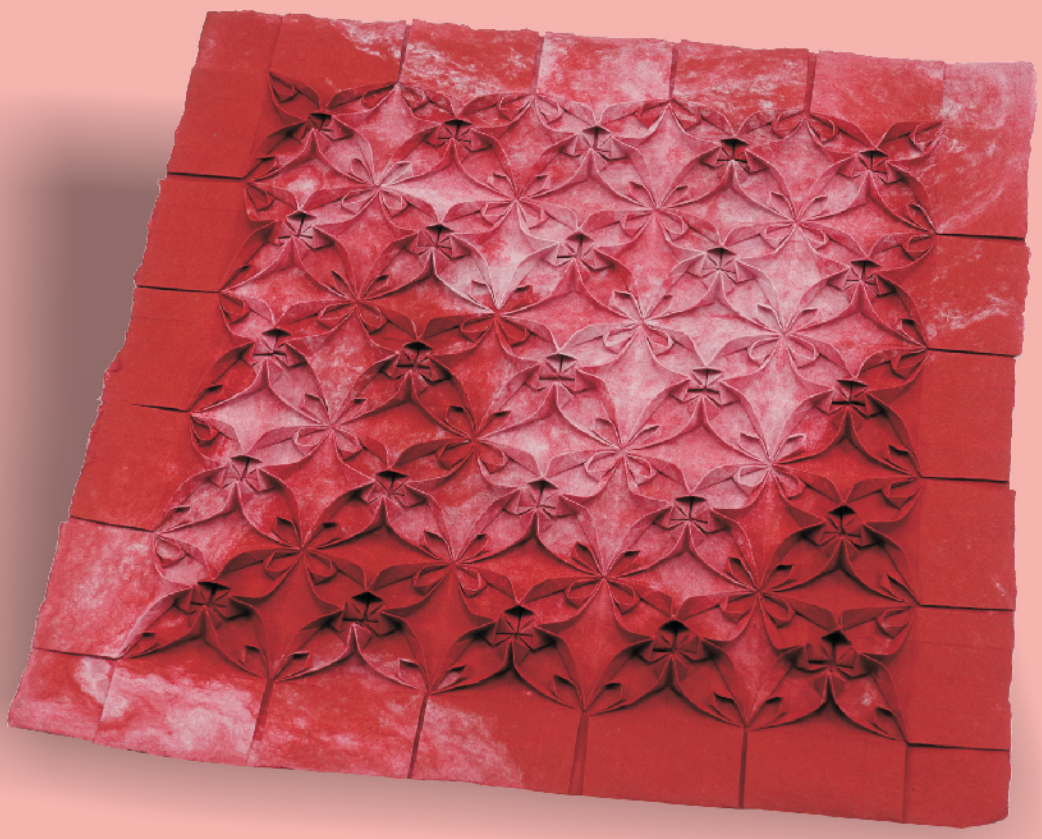










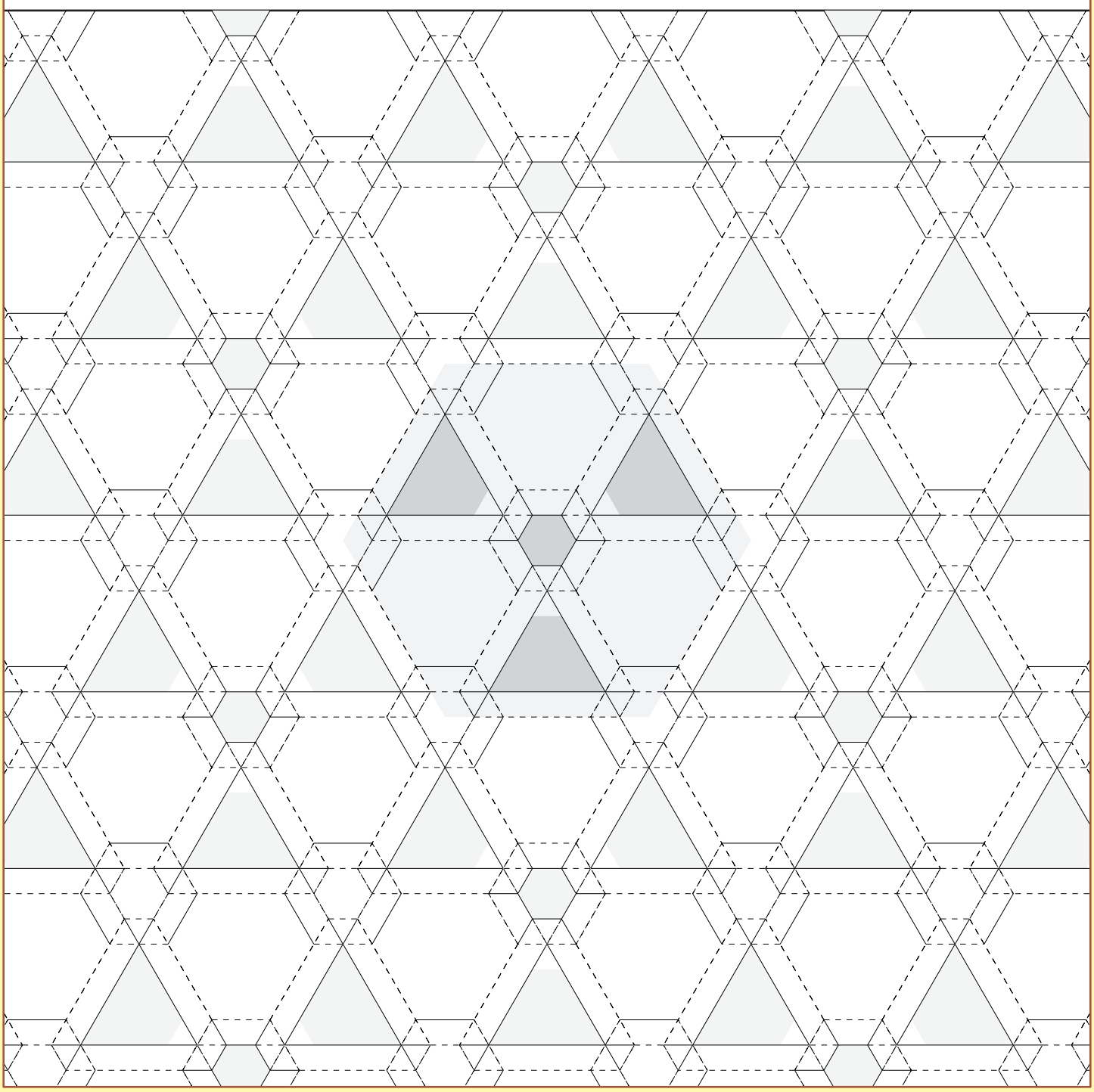


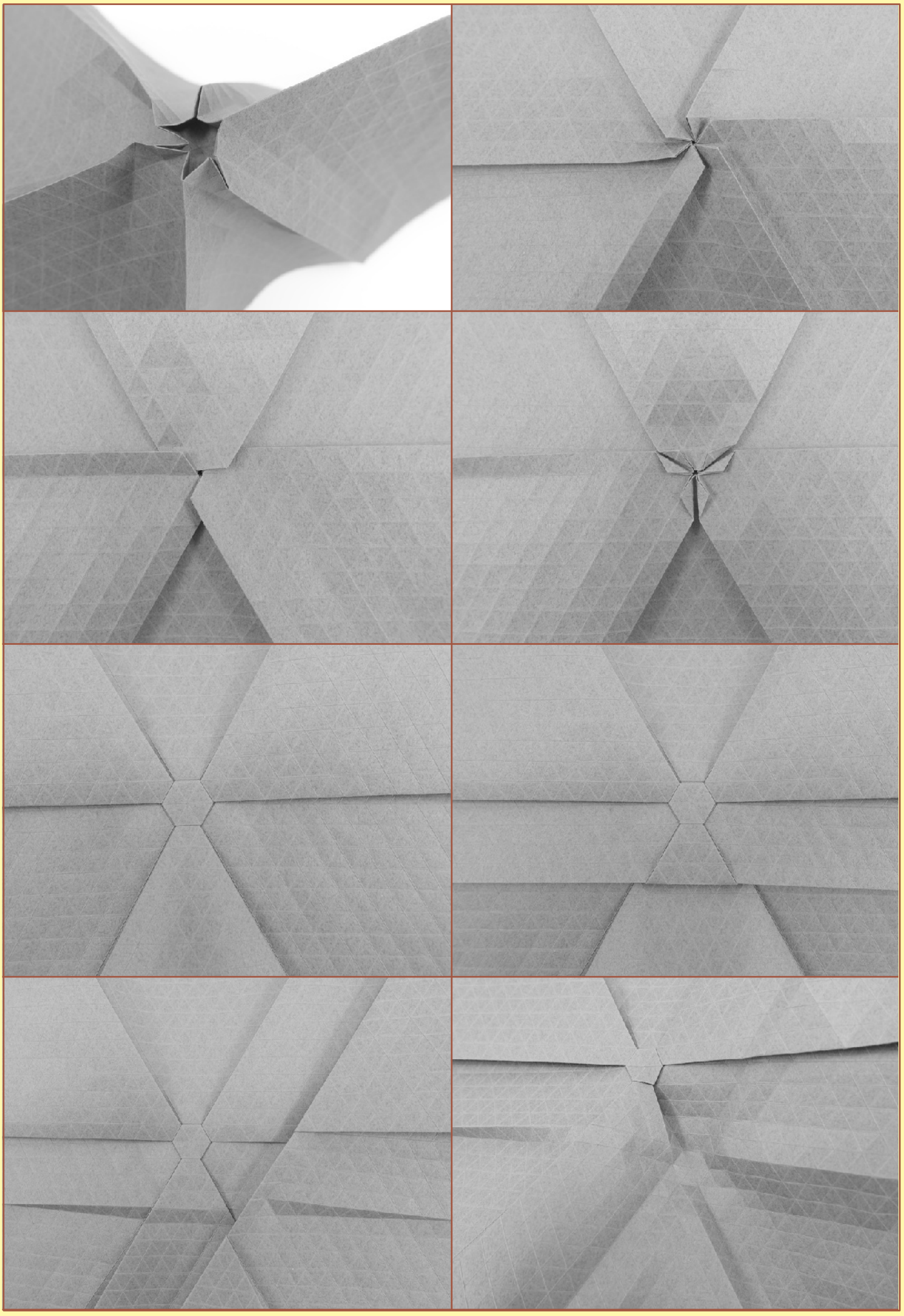
Michał Kosmulski

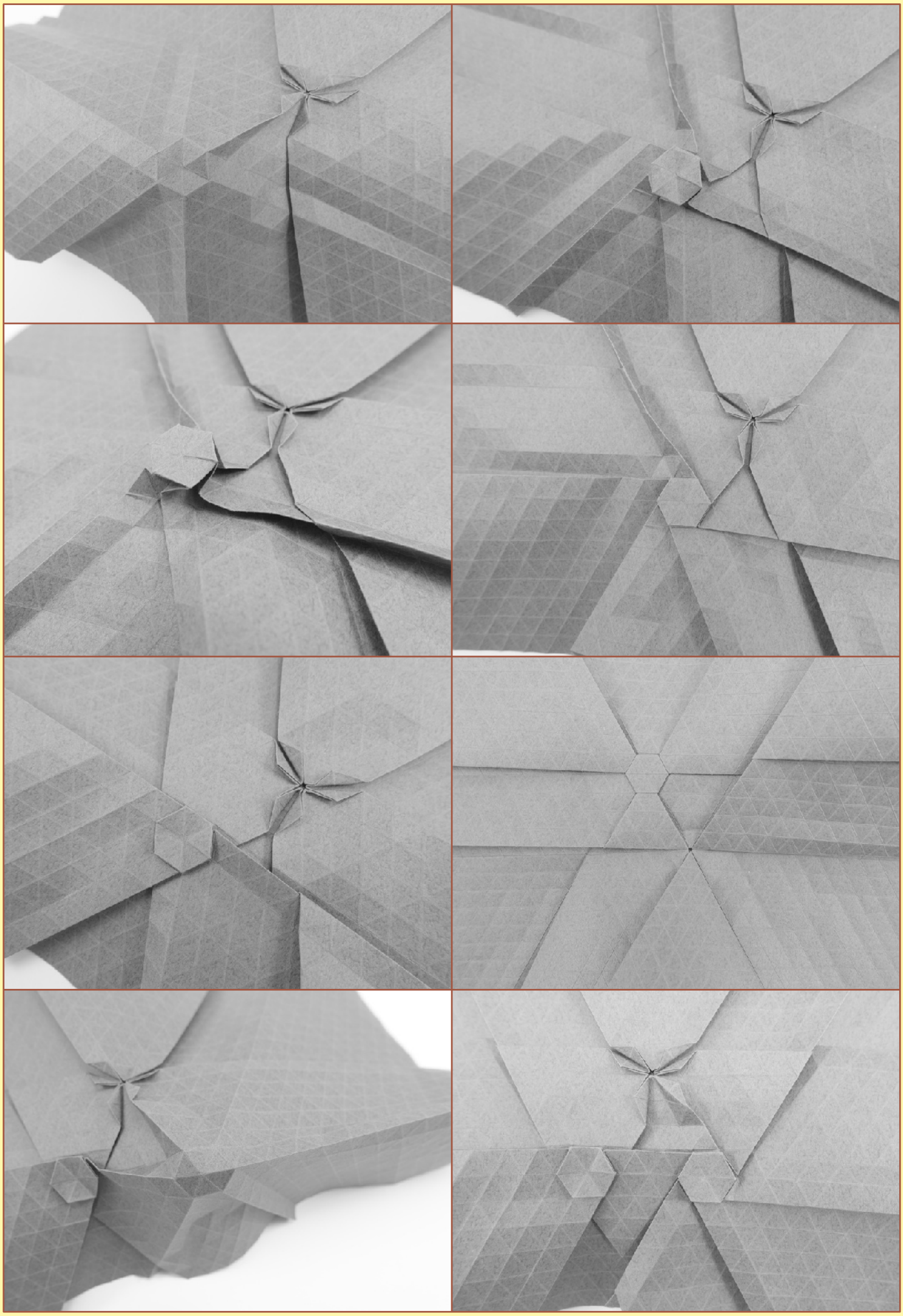
RADIOACTIVE TESSELLATION

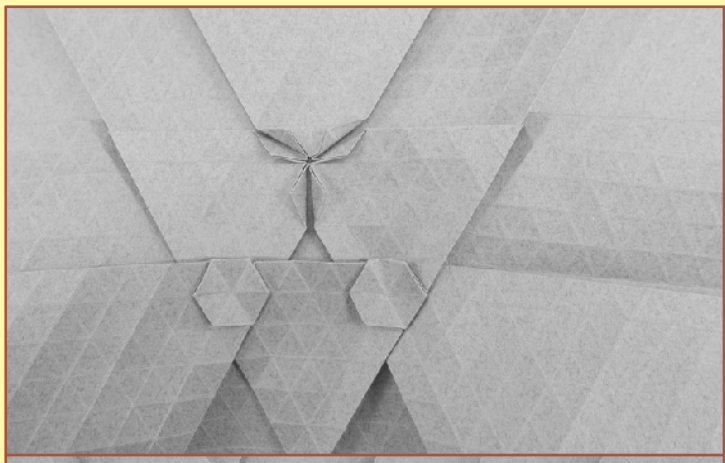
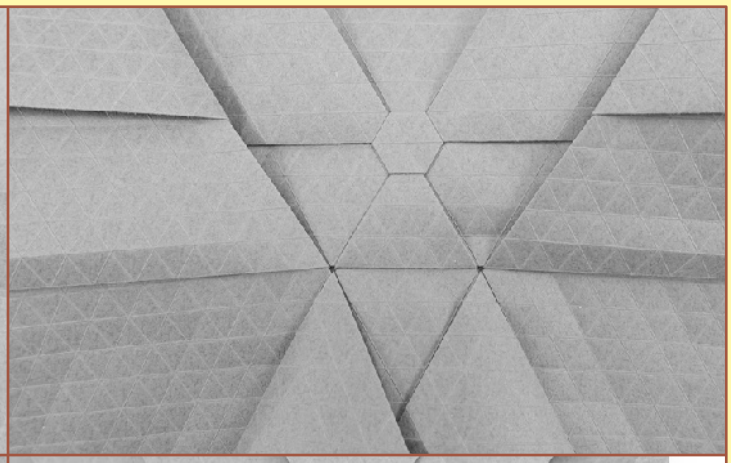
MICHAŁ KOSMULSKI

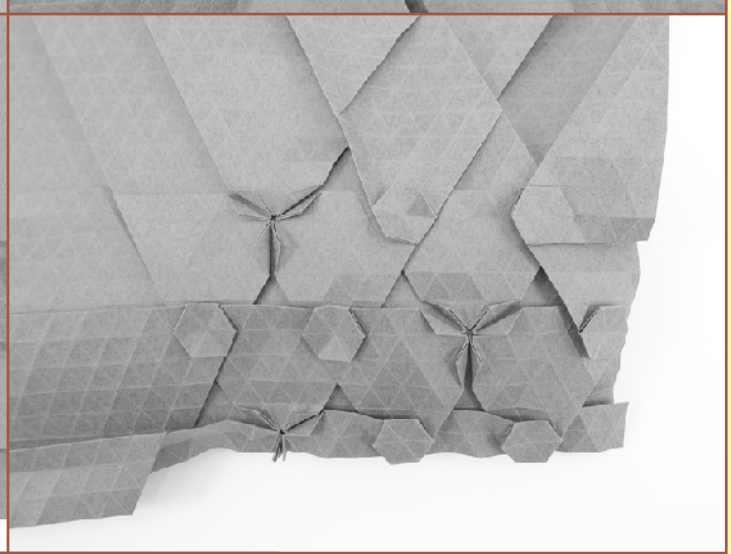
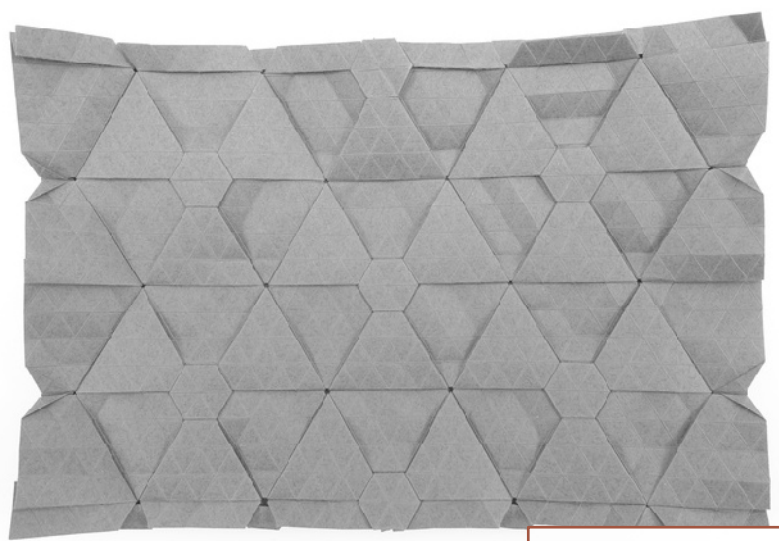
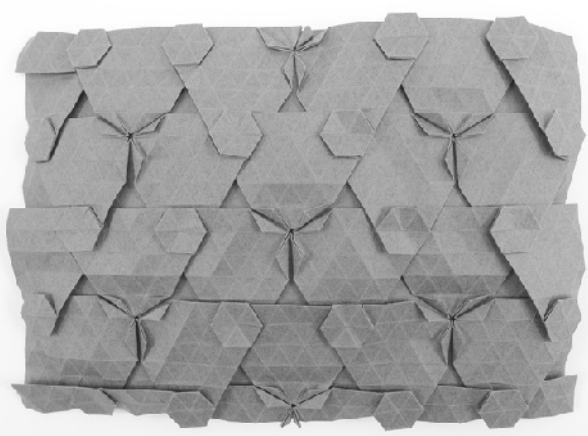
This tessellation is relatively simple to fold. The structure is based around two sets of modified twists. One represents the small hexagons in the centers of radioactivity symbols on the front side of the model (these can be shaped to look more like circles). The other one, on the back side, connects the hexagonal tiles to each other. This model also looks interesting in back light.

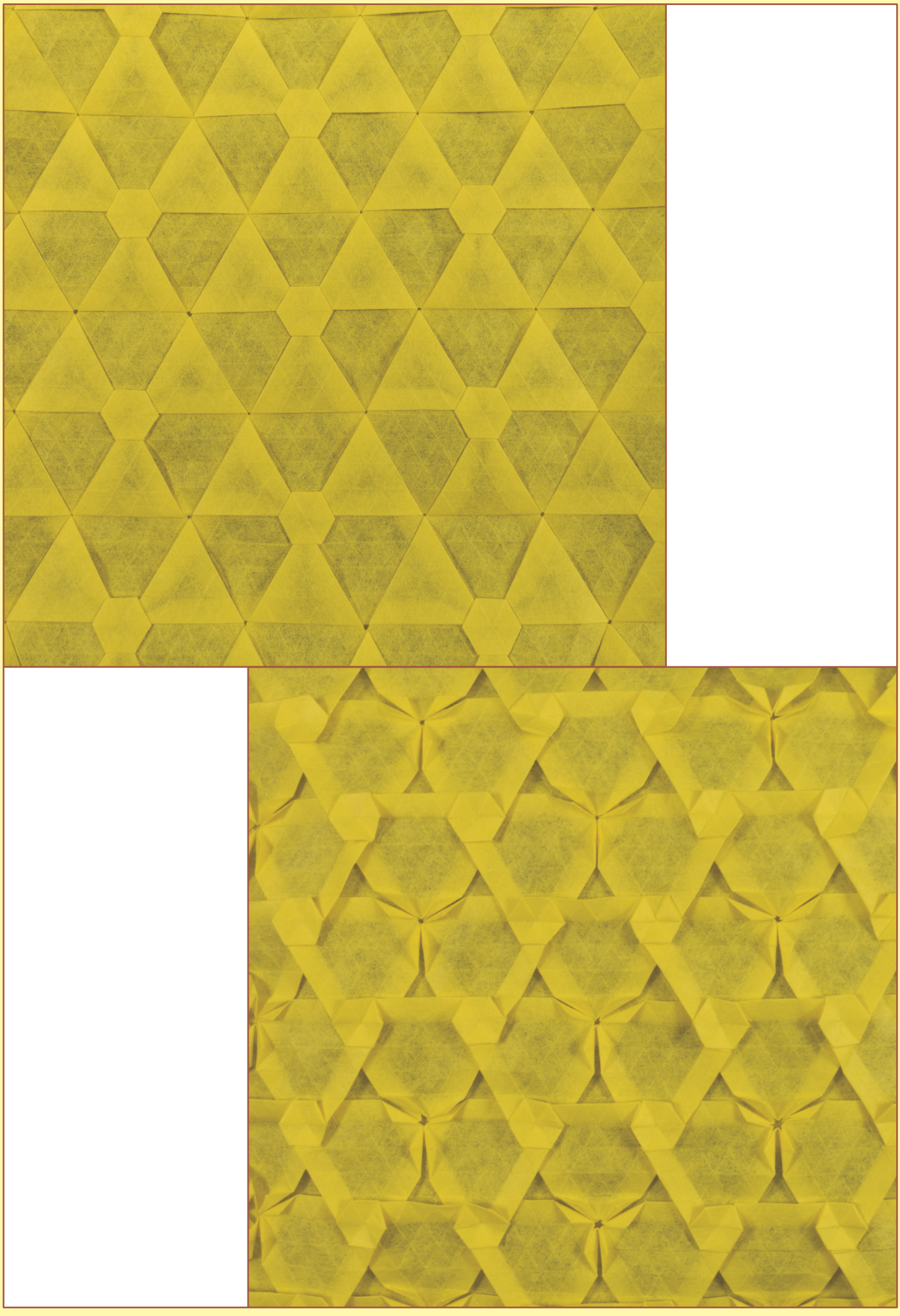


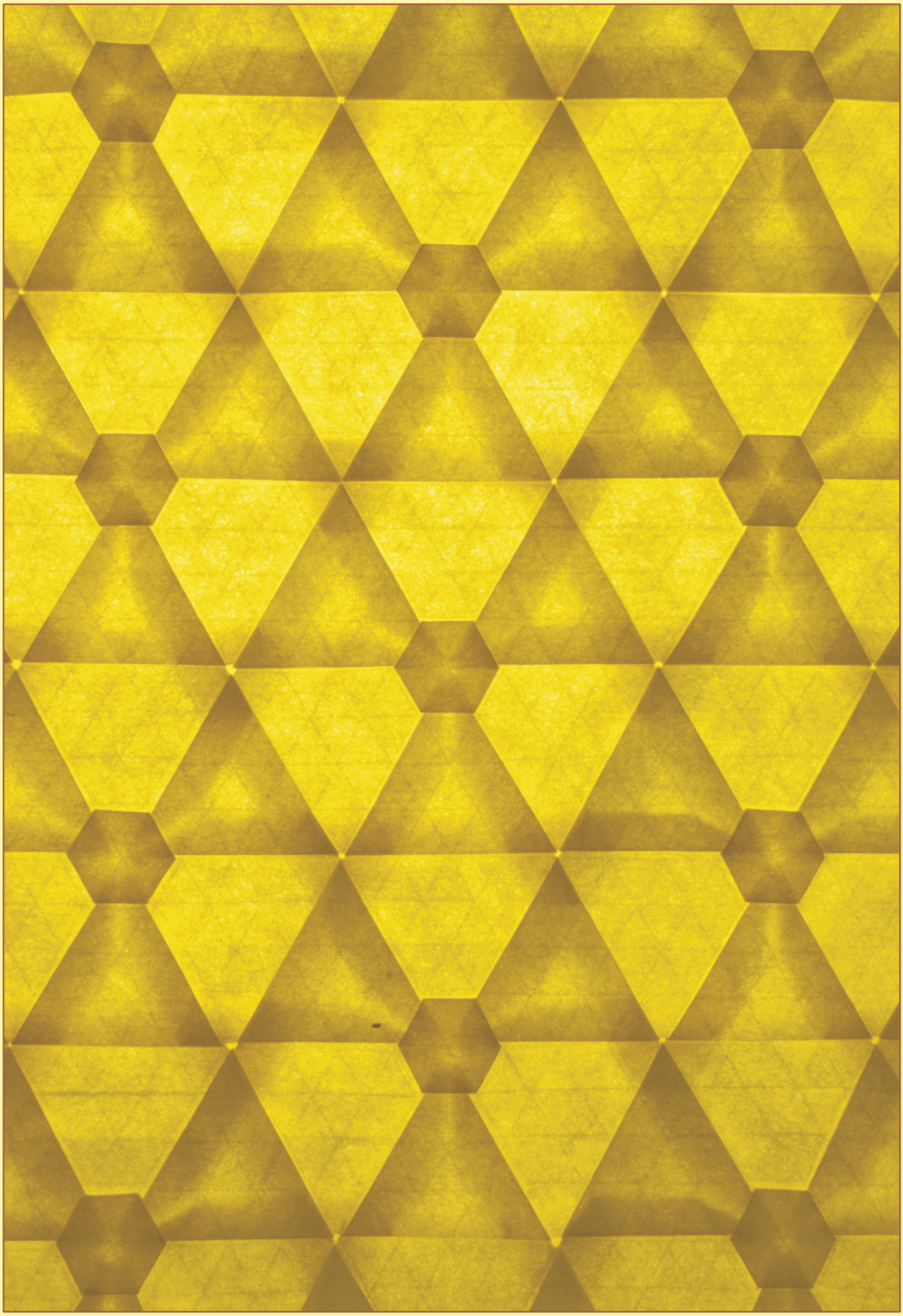








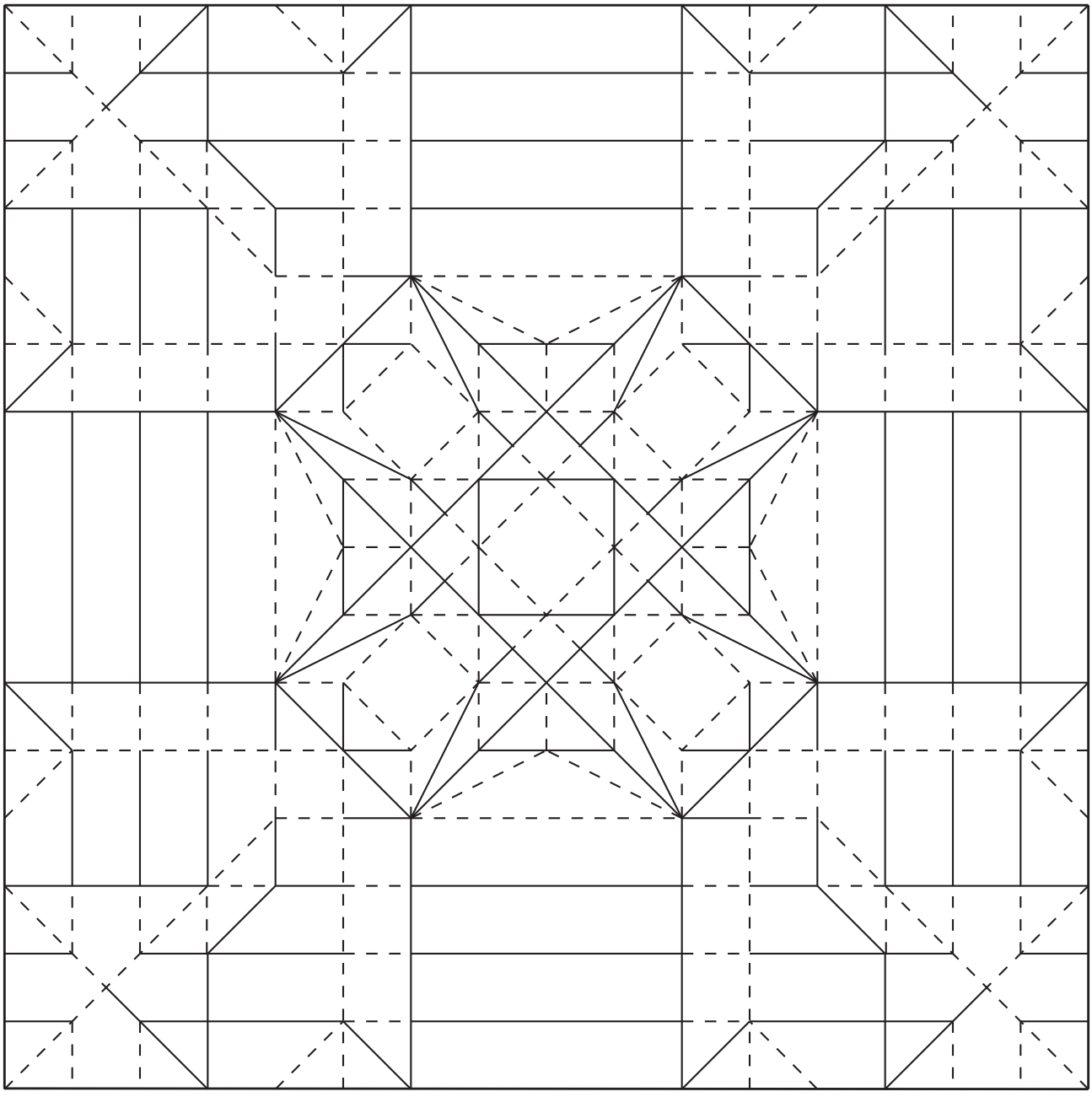
Framed Two-in-One Flower and Two-in-One Flower Tessellation

MICHAŁ KOSMULSKI

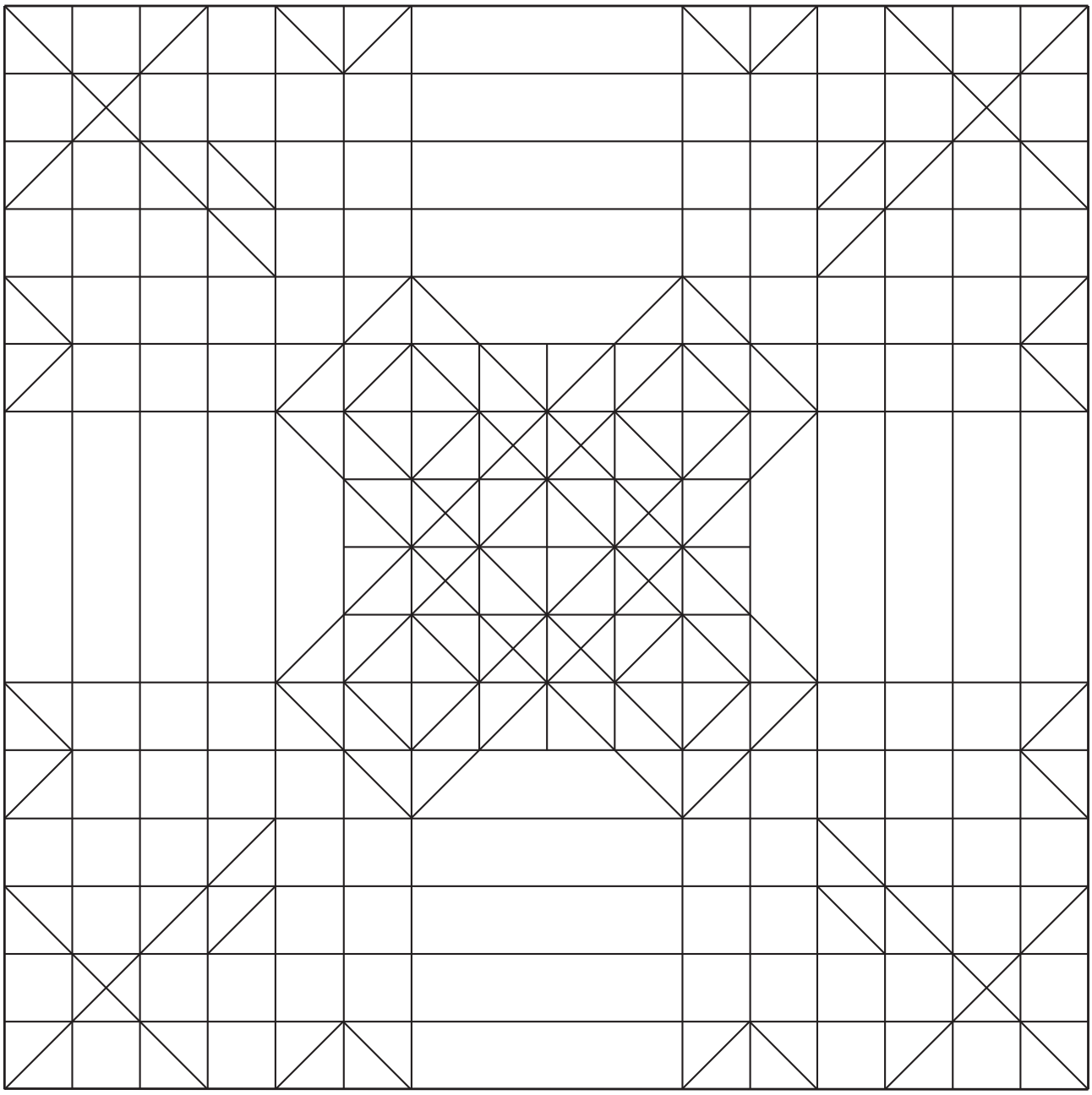
Description:

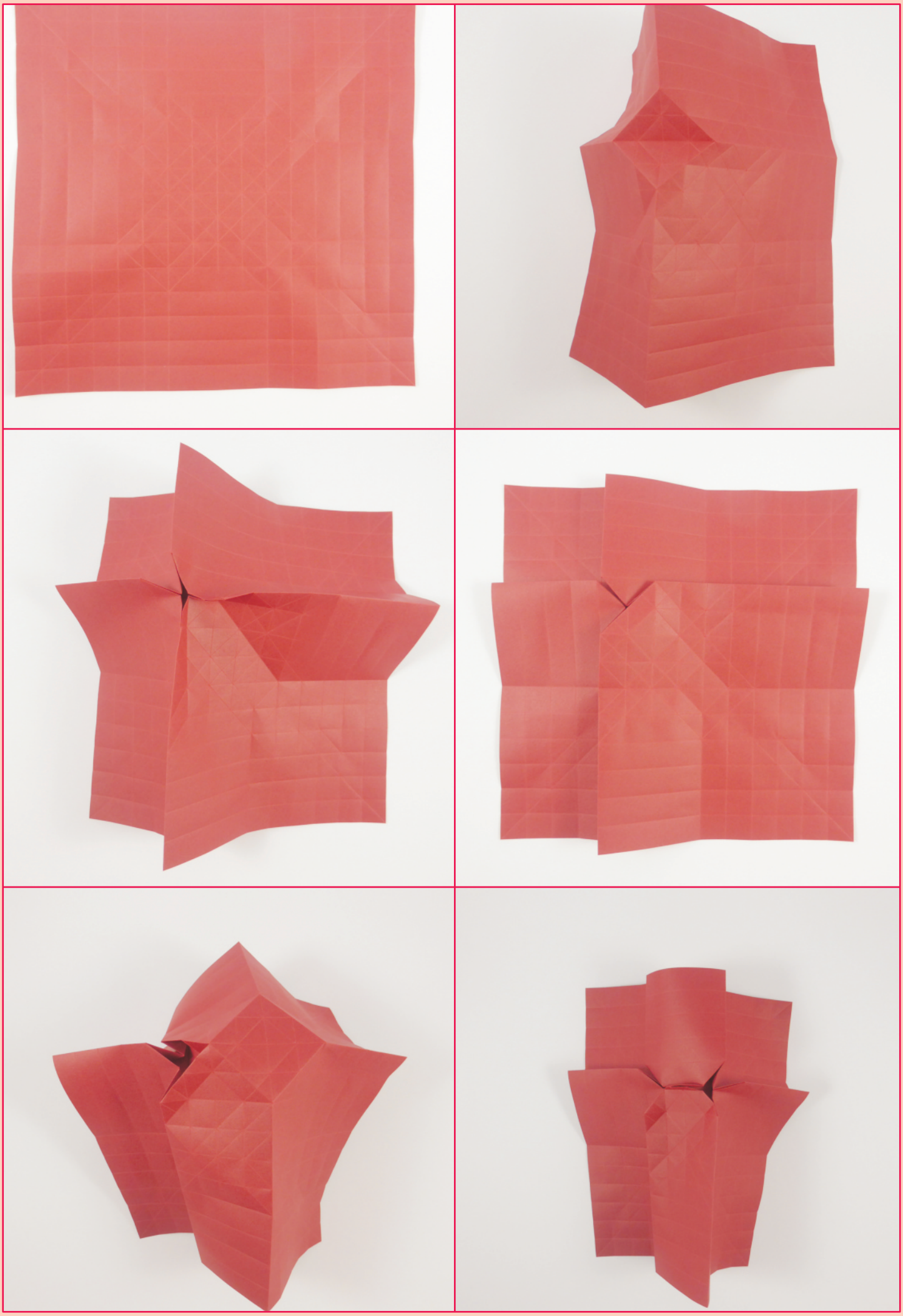
This molecule can be used as the basis of a tessellation or as a single framed molecule as shown here. The whole model uses a 16×16 grid, of which the central 8×8 is the molecule proper. When used for a tessellation, this molecule results in an interesting pattern. There is only one kind of molecule, but depending on how you look (which point you treat as the flower's center), you can see two different kinds of flowers, hence the name “two in one”. The central part of the molecule can be modified in many ways, though I personally find the basic variant shown here to be the most elegant.

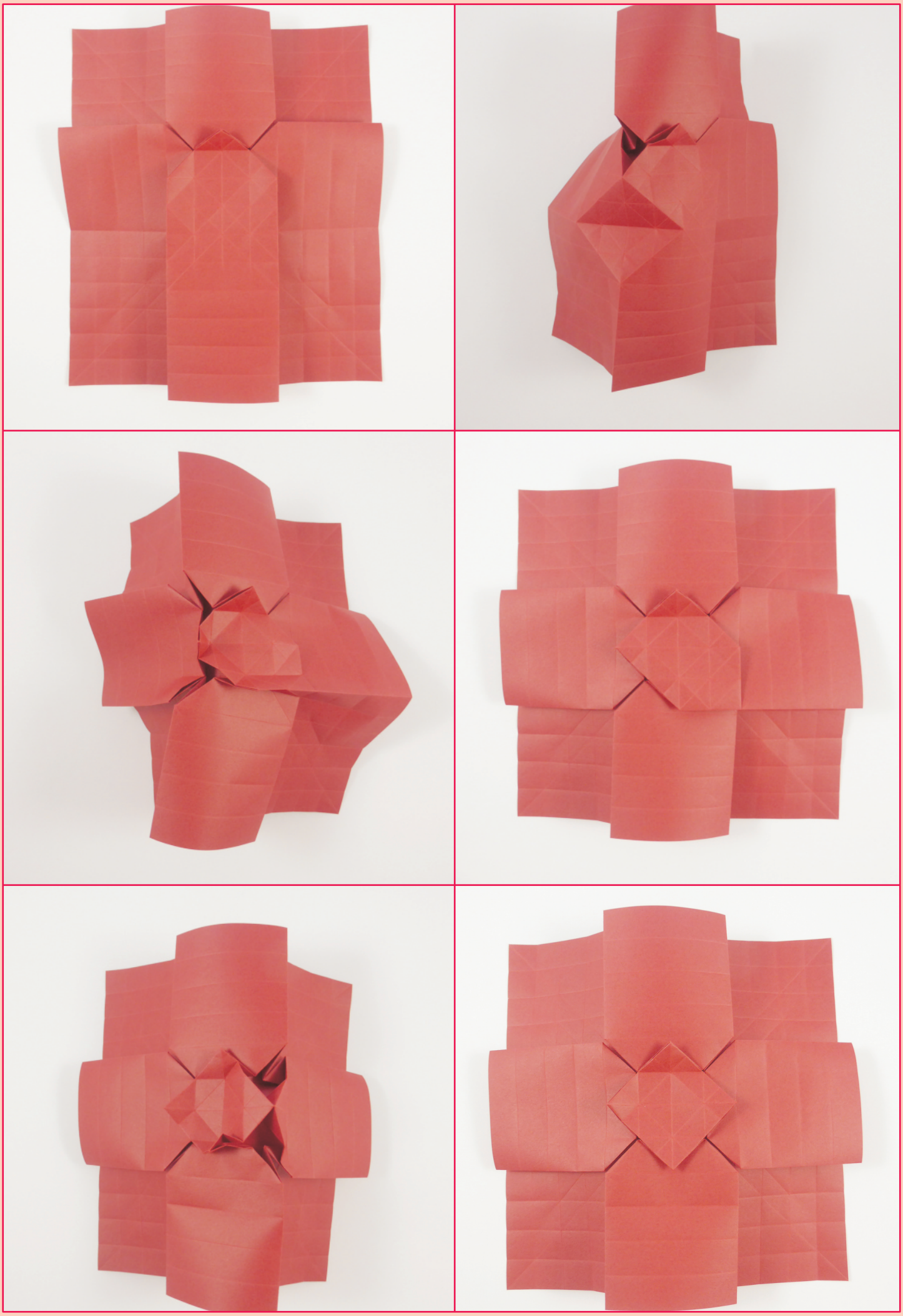
CP

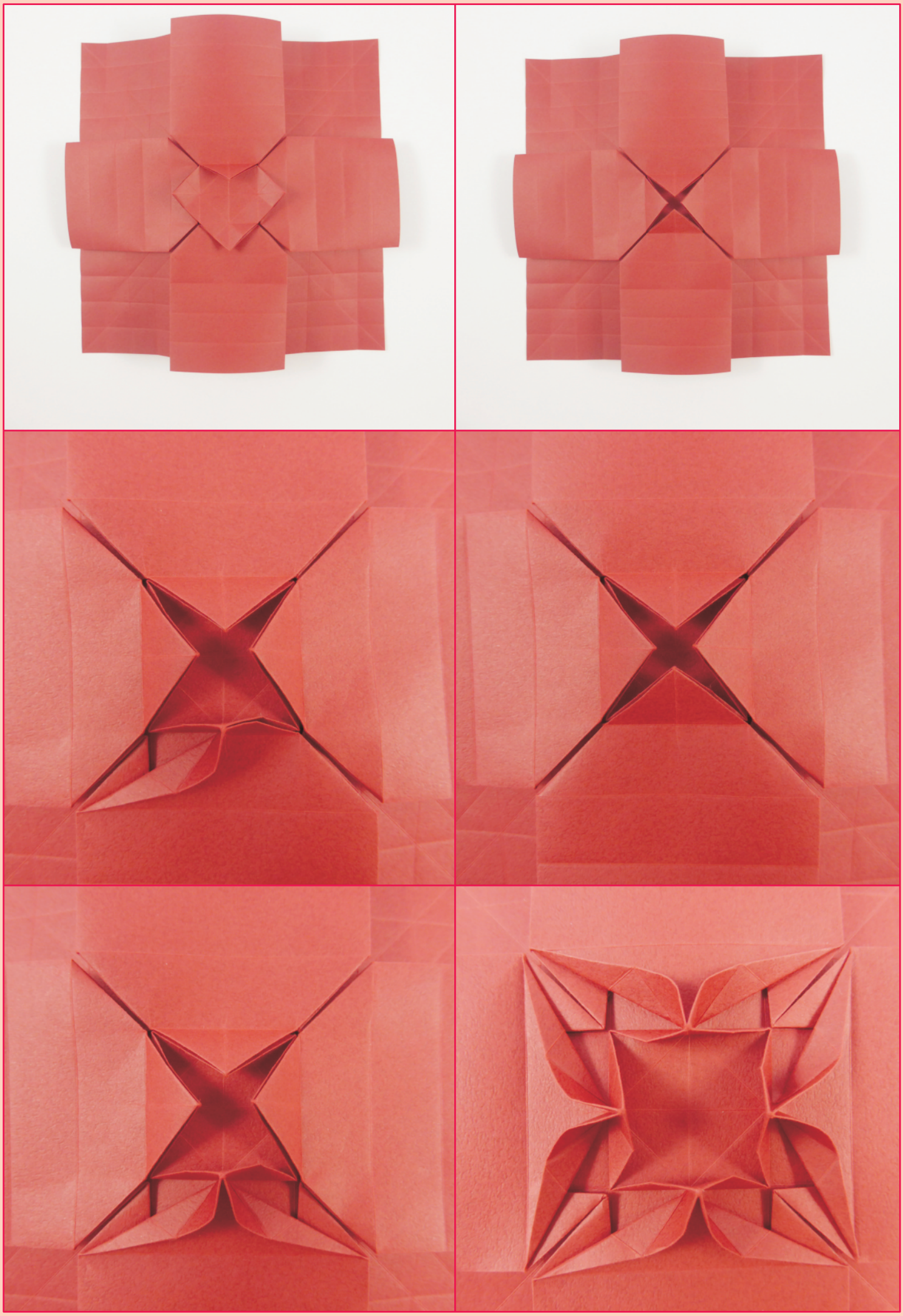


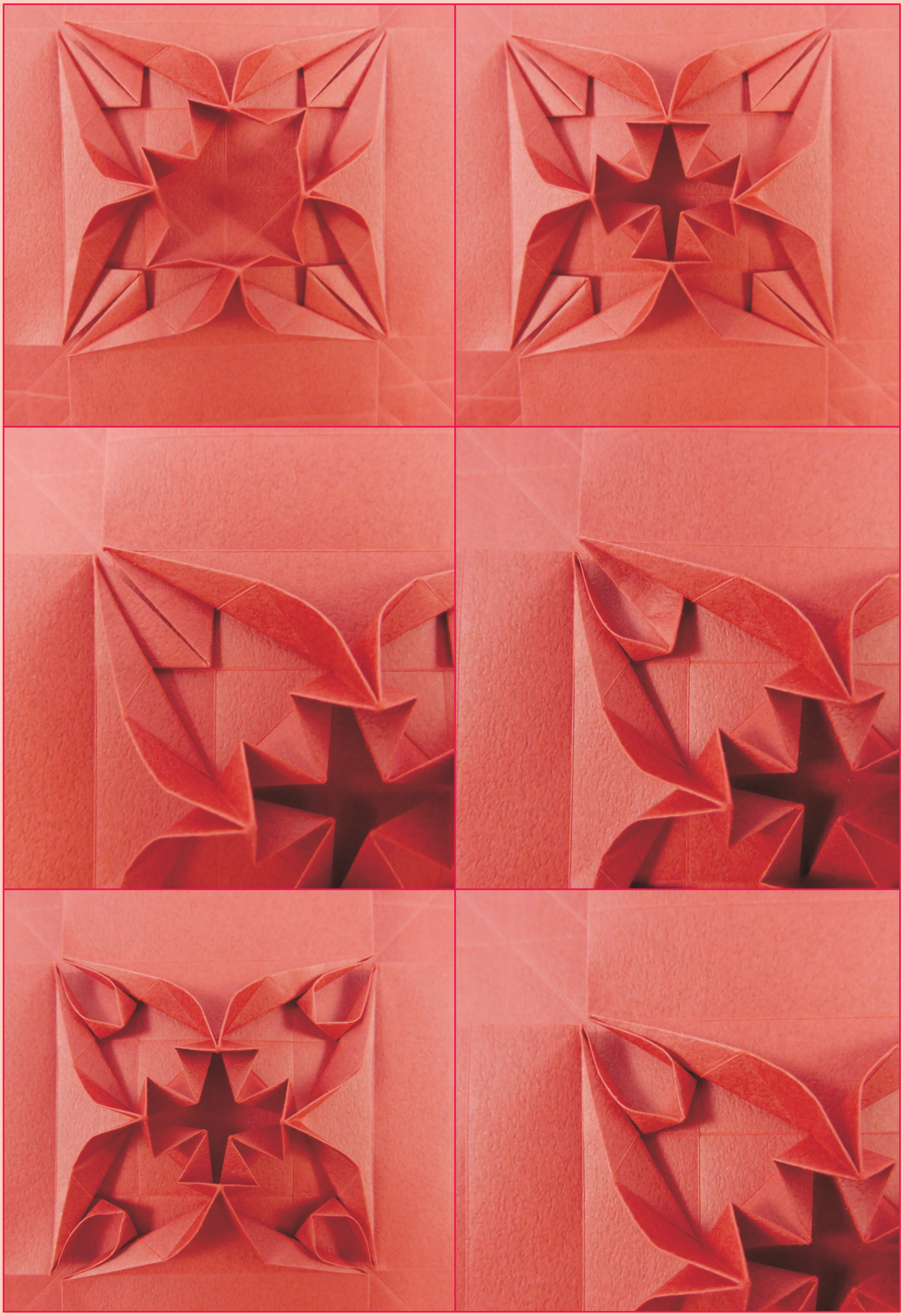
Precrease

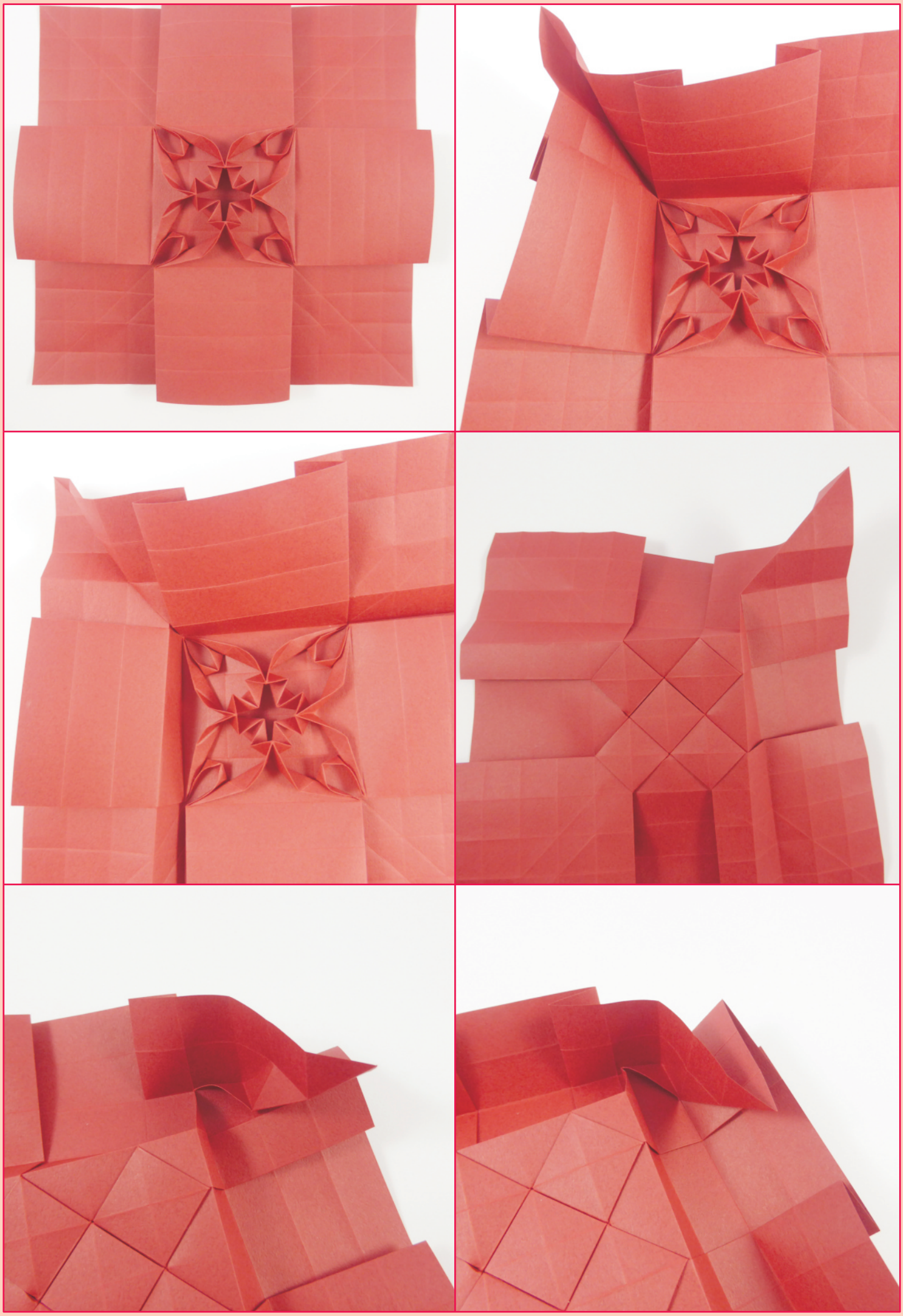




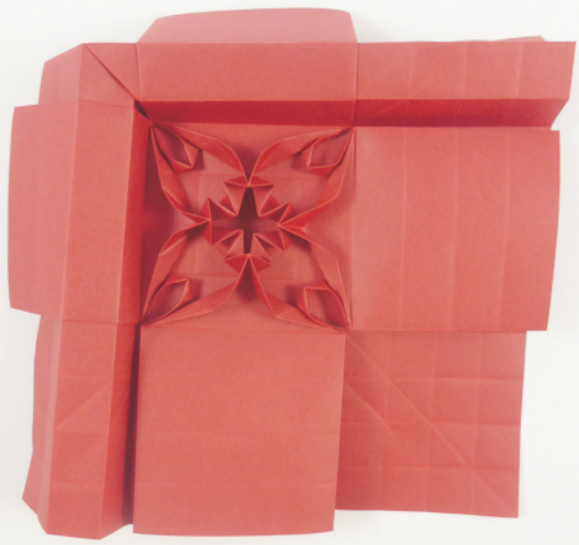


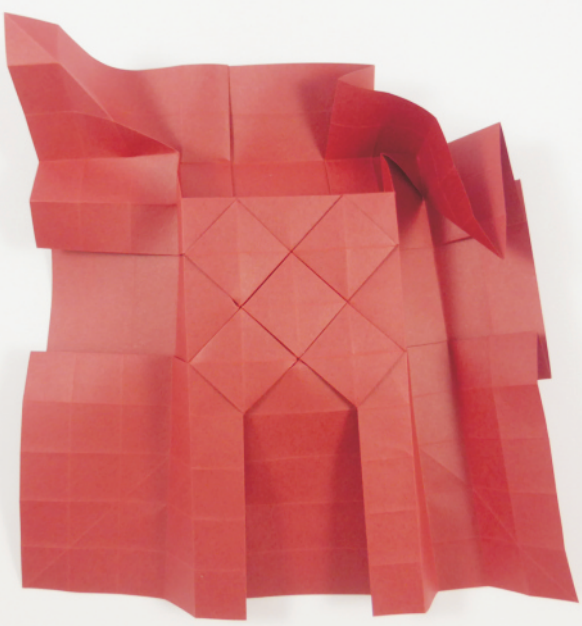


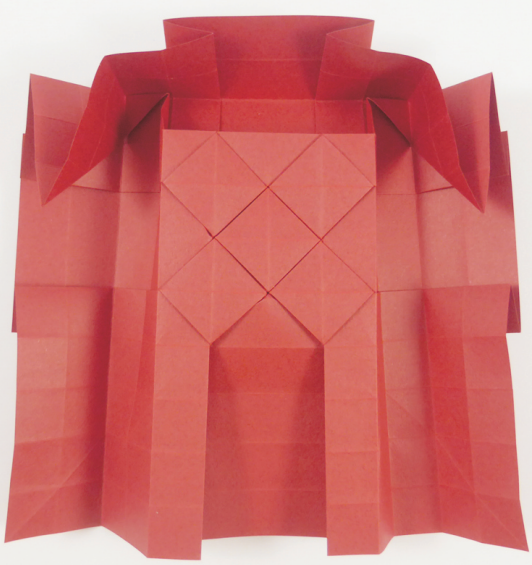


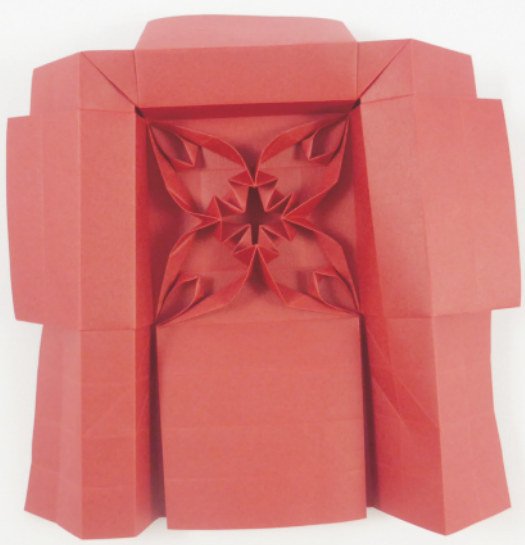




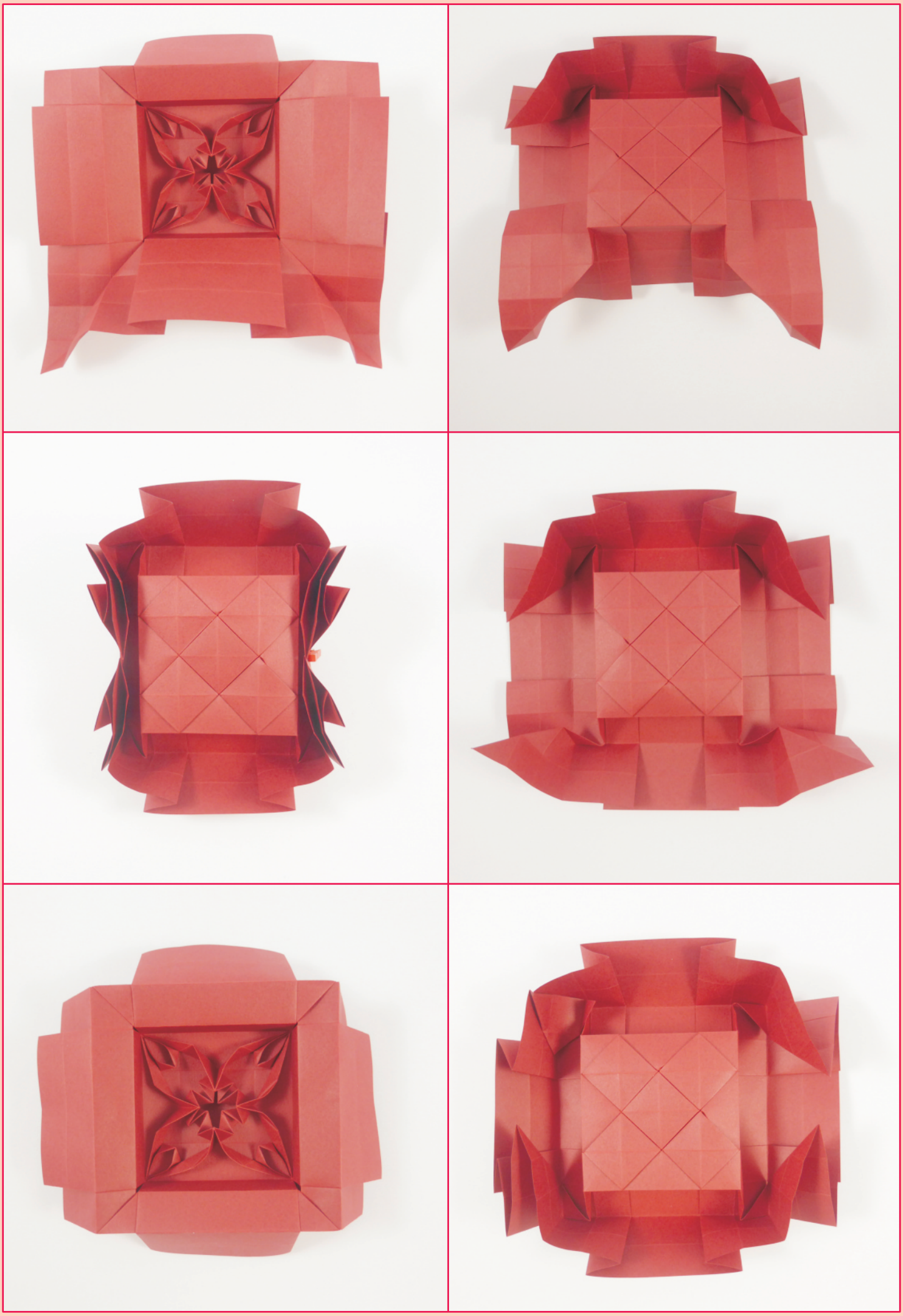


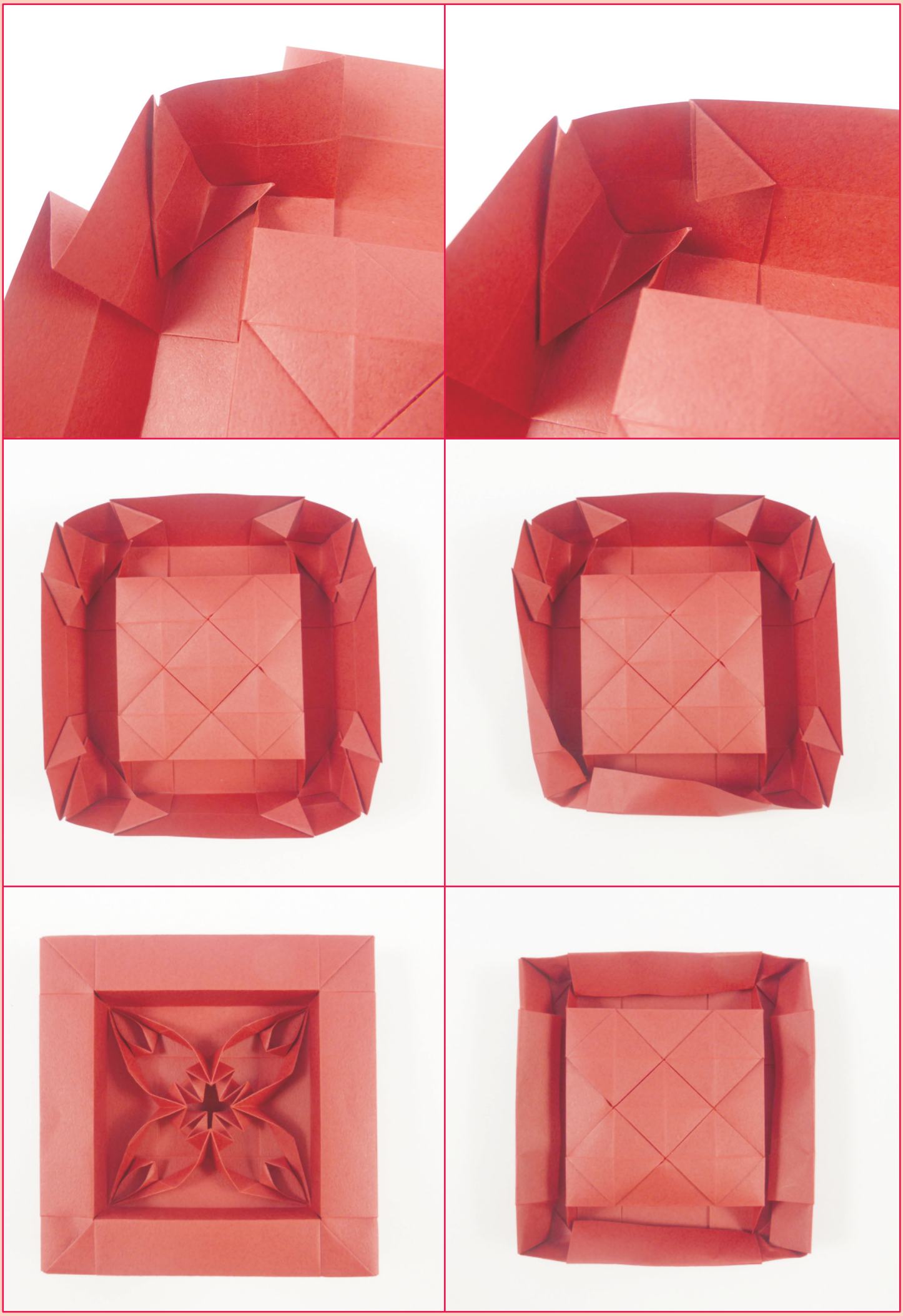


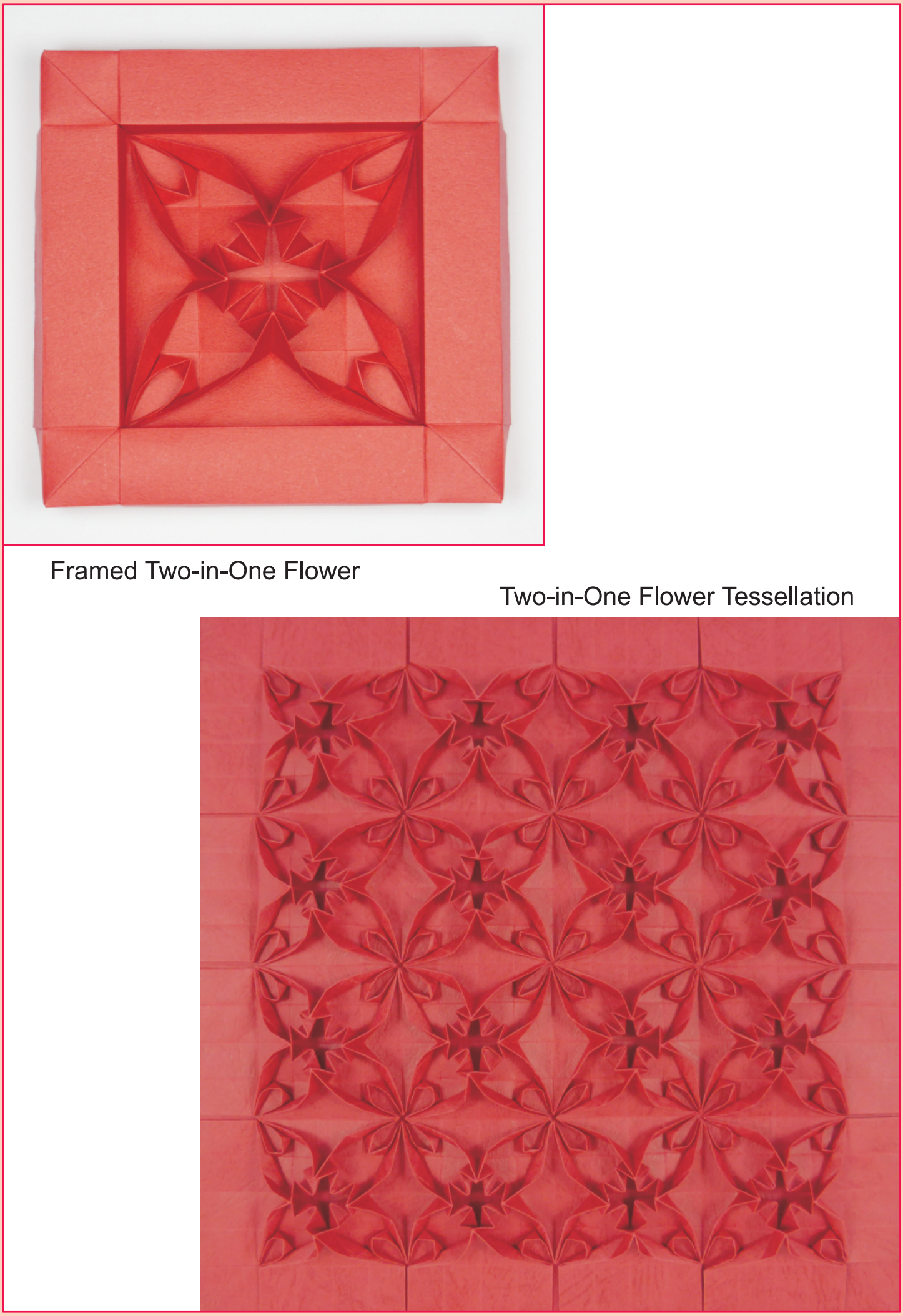






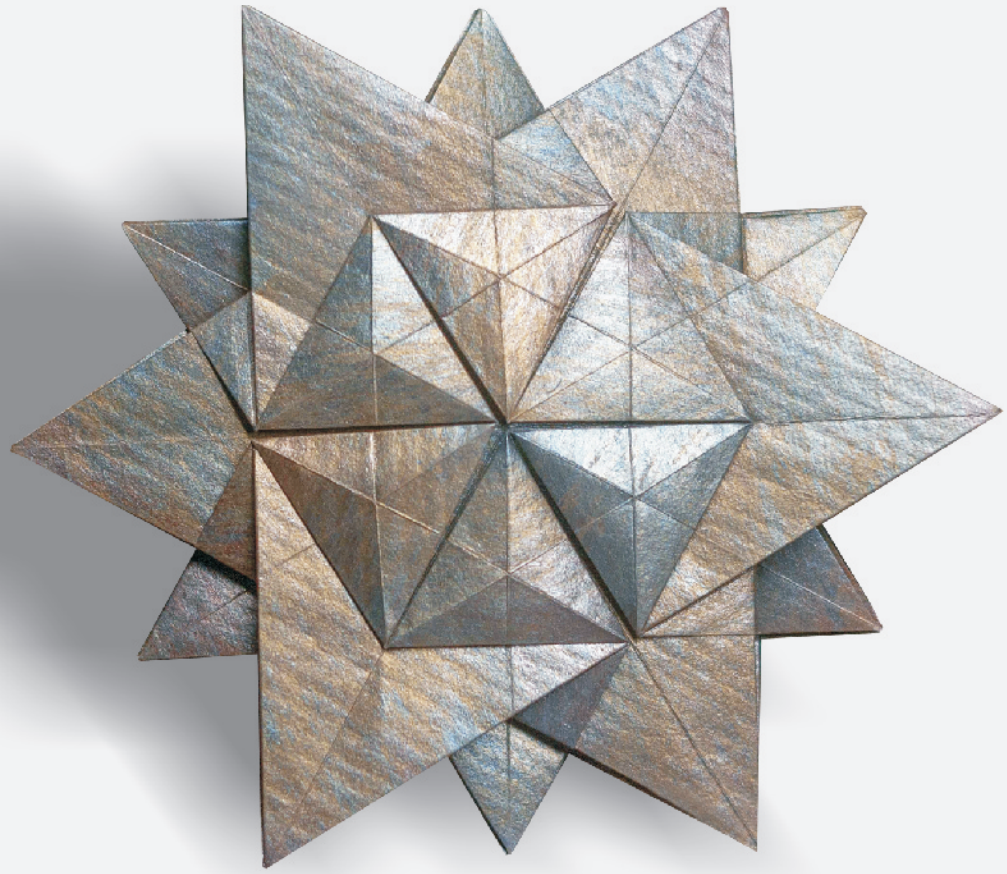






Framed Two-in-One Flower

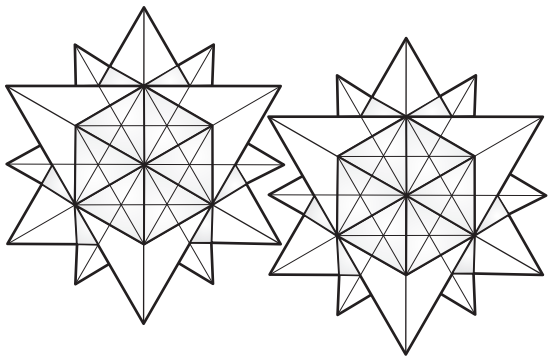
Two-in-One Flower Tessellation

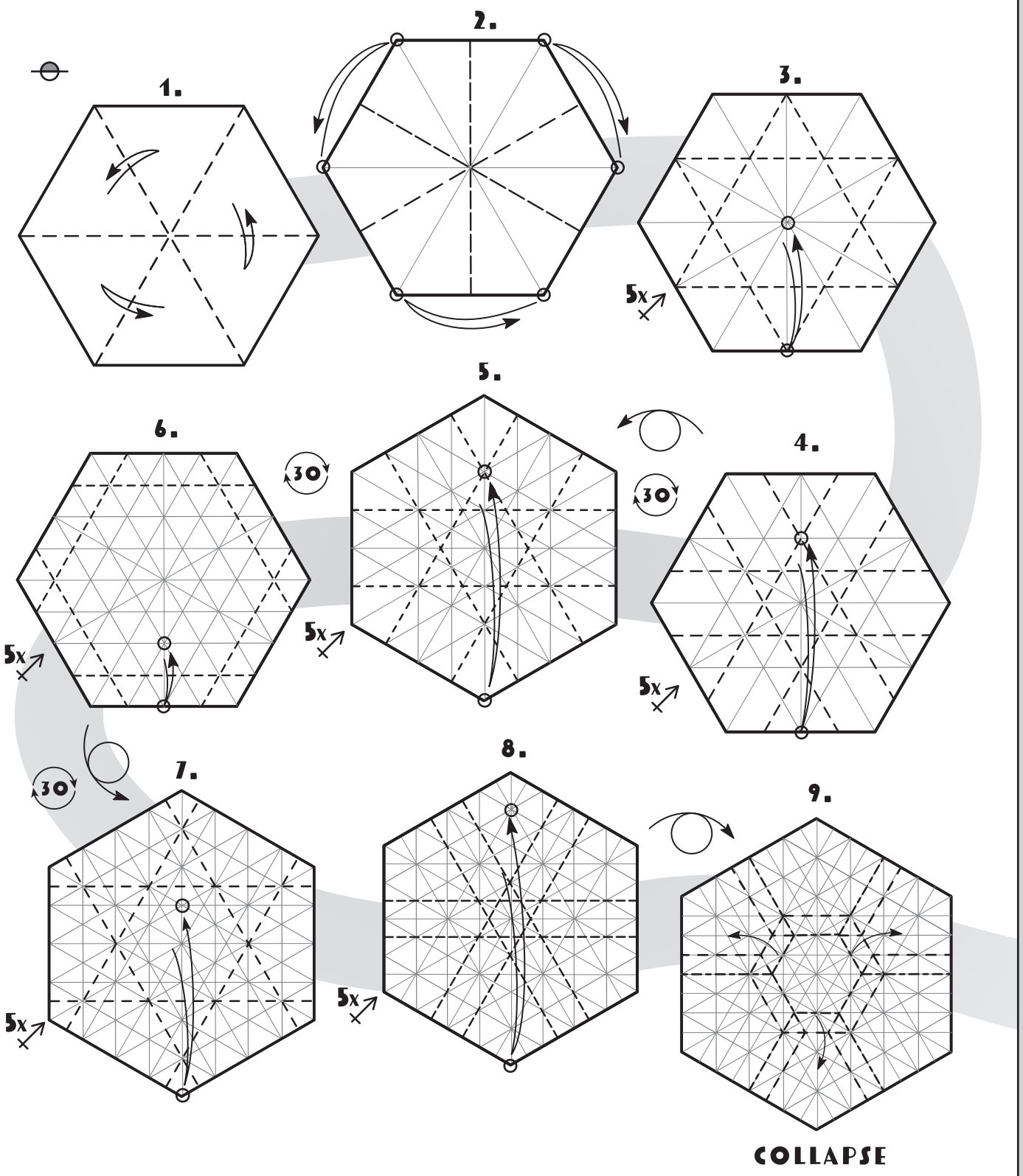


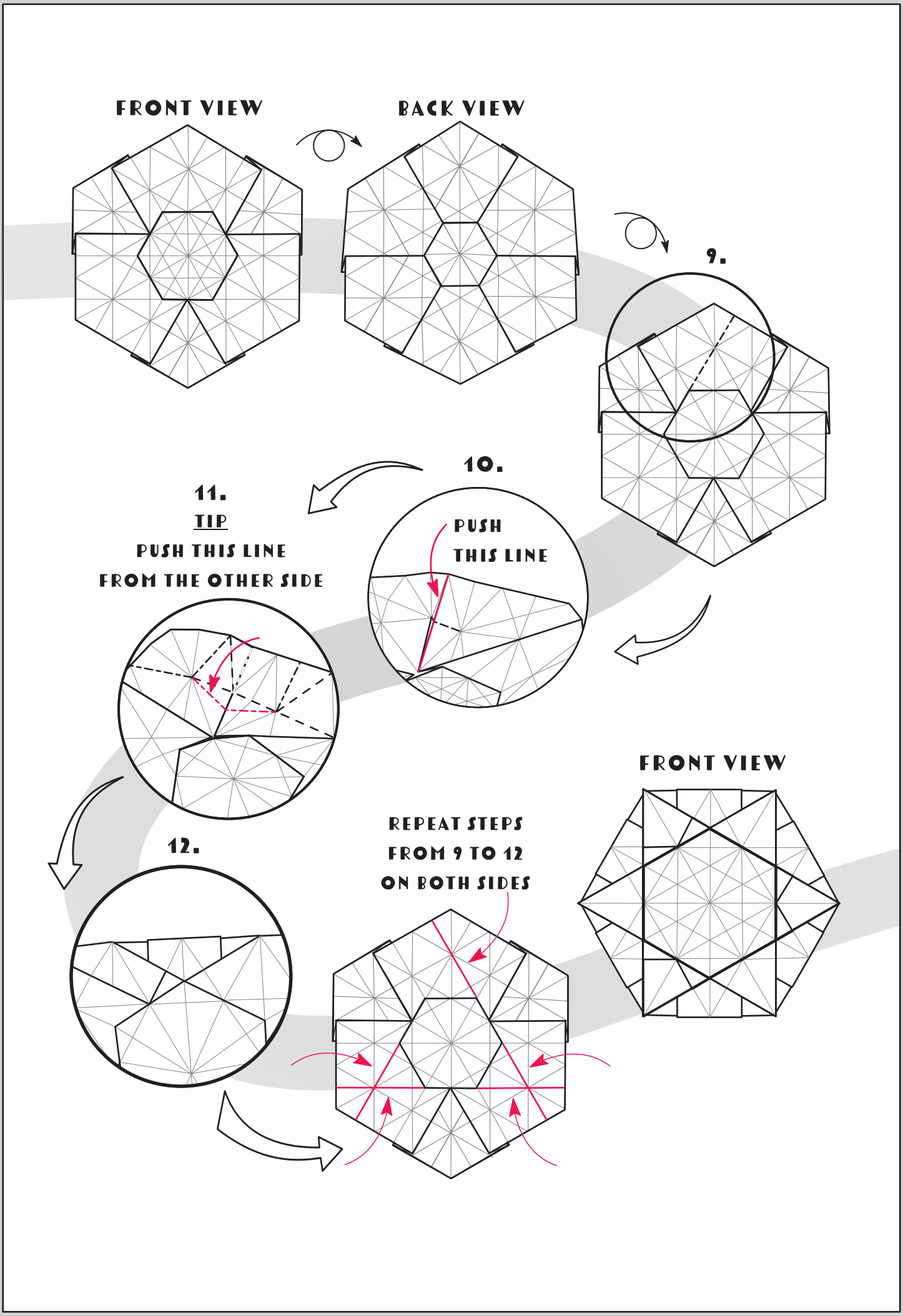
Natalia Guzowska

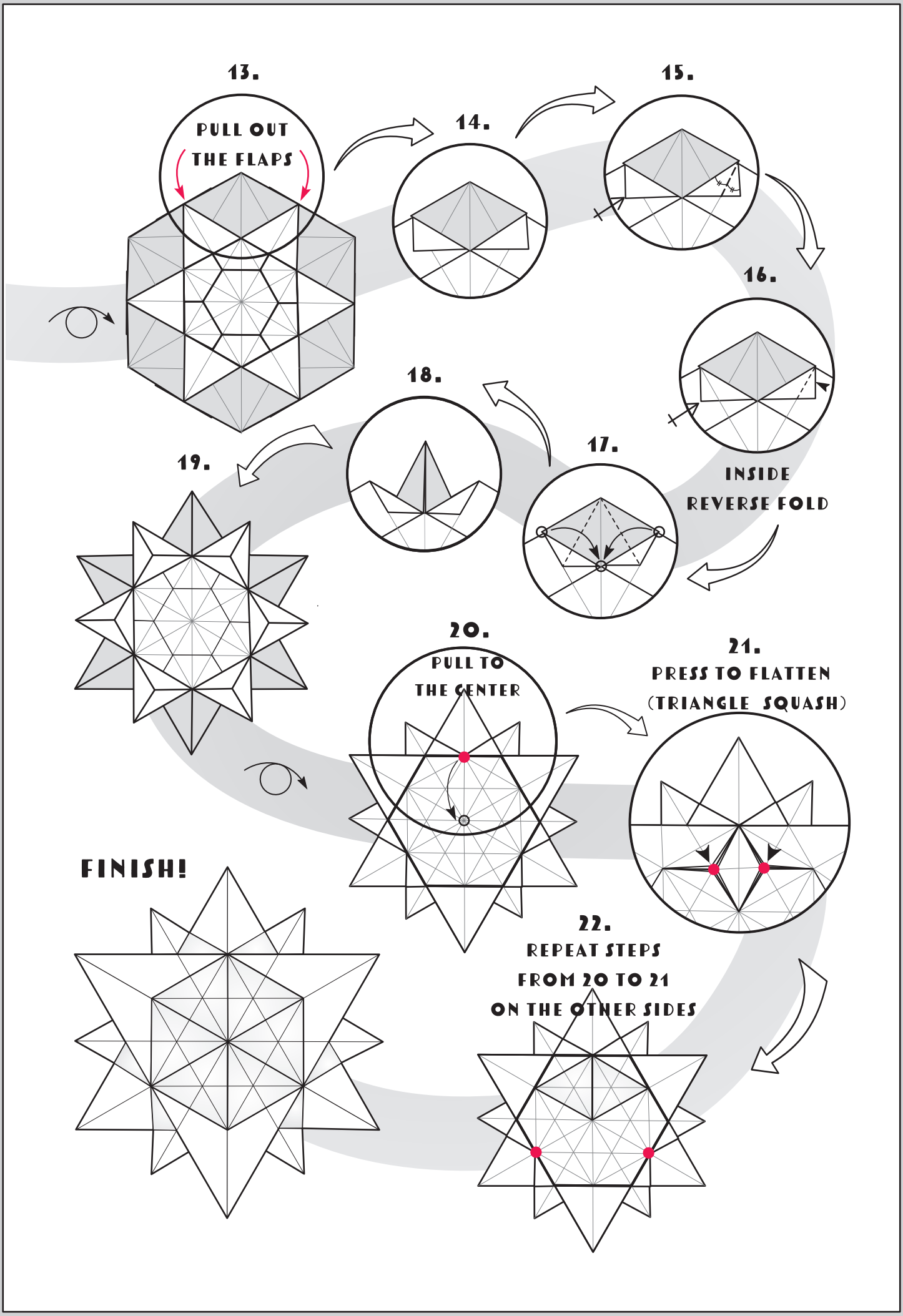
BEA STAR

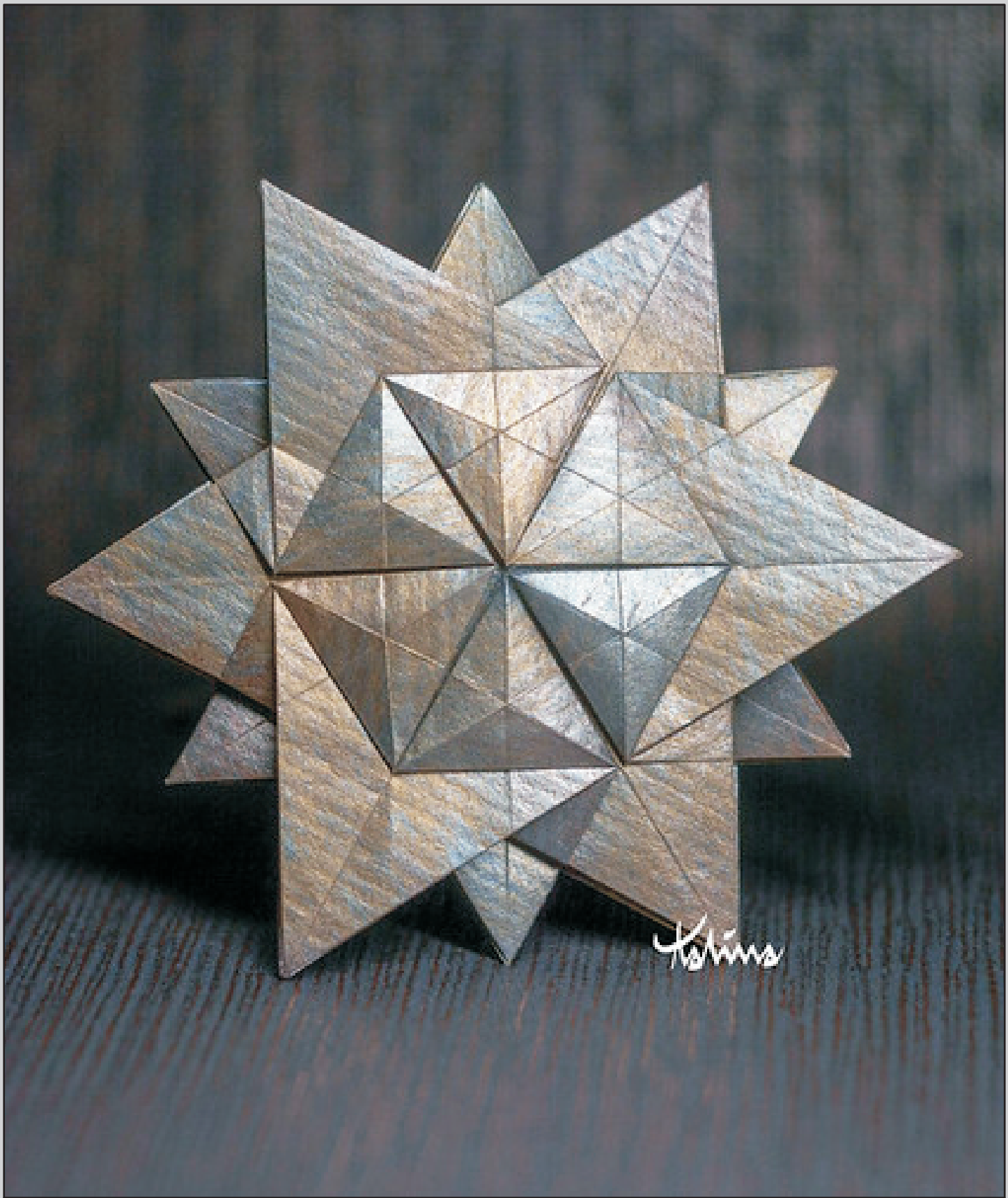
NATALIA GUZOWSKA






FRONT VIEW
BACK VIEW
9.
10.
PUSH
THIS LINE
11.
TIP
PUSH THIS LINE
FROM THE OTHER SIDE
12.
REPEAT STEPS
FROM 9 TO 12
ON BOTH SIDES
FRONT VIEW

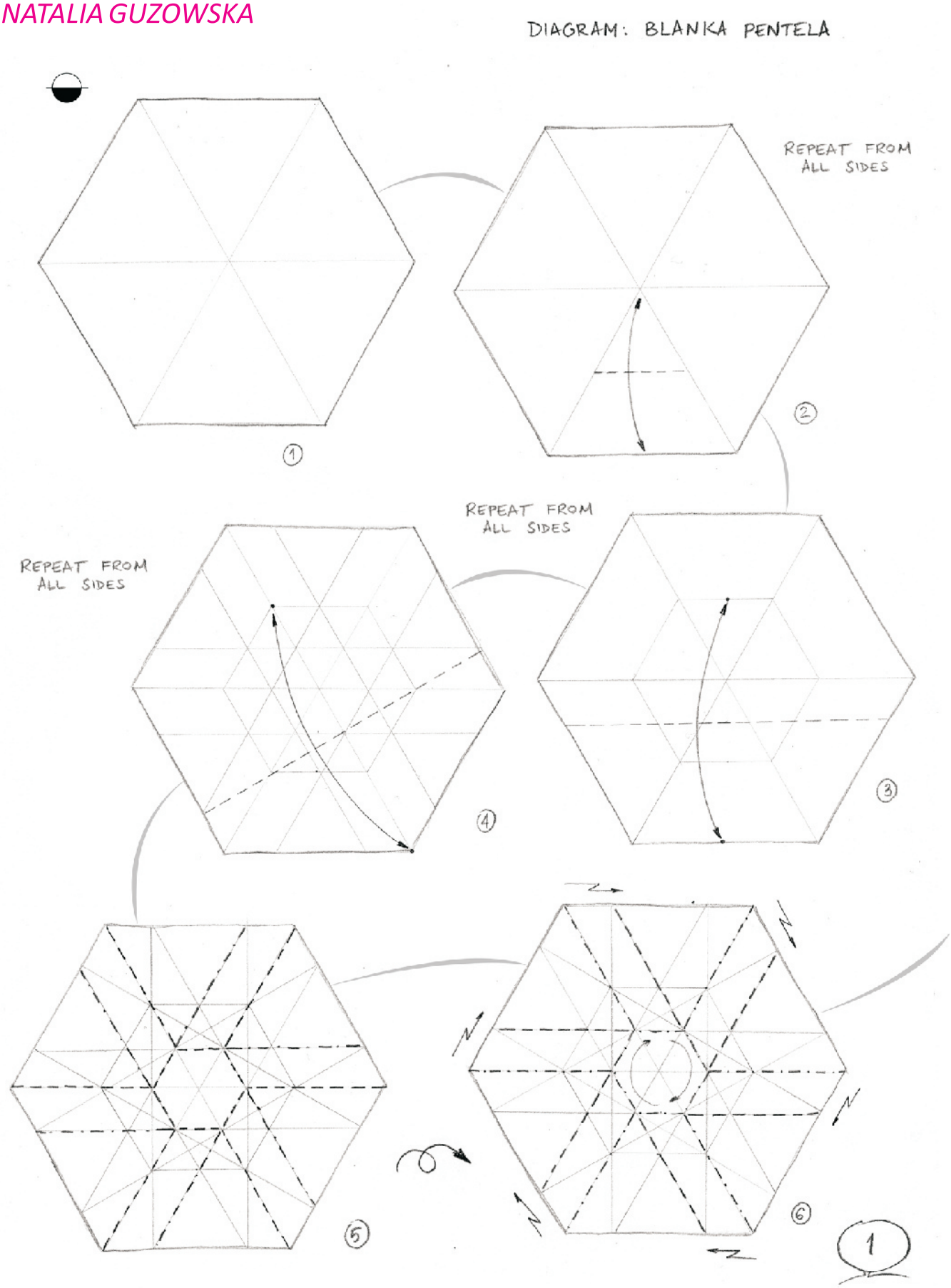

13.
PULL OUT
THE FLAPS
14.
15.
16.
INSIDE
REVERSE FOLD
17.
18.
19.
20.
PULL TO
THE CENTER
21.
PRESS TO FLATTEN
(TRIANGLE SQUASH)
22.
REPEAT STEPS
FROM 20 TO 21
ON THE OTHER SIDES
FINISH!

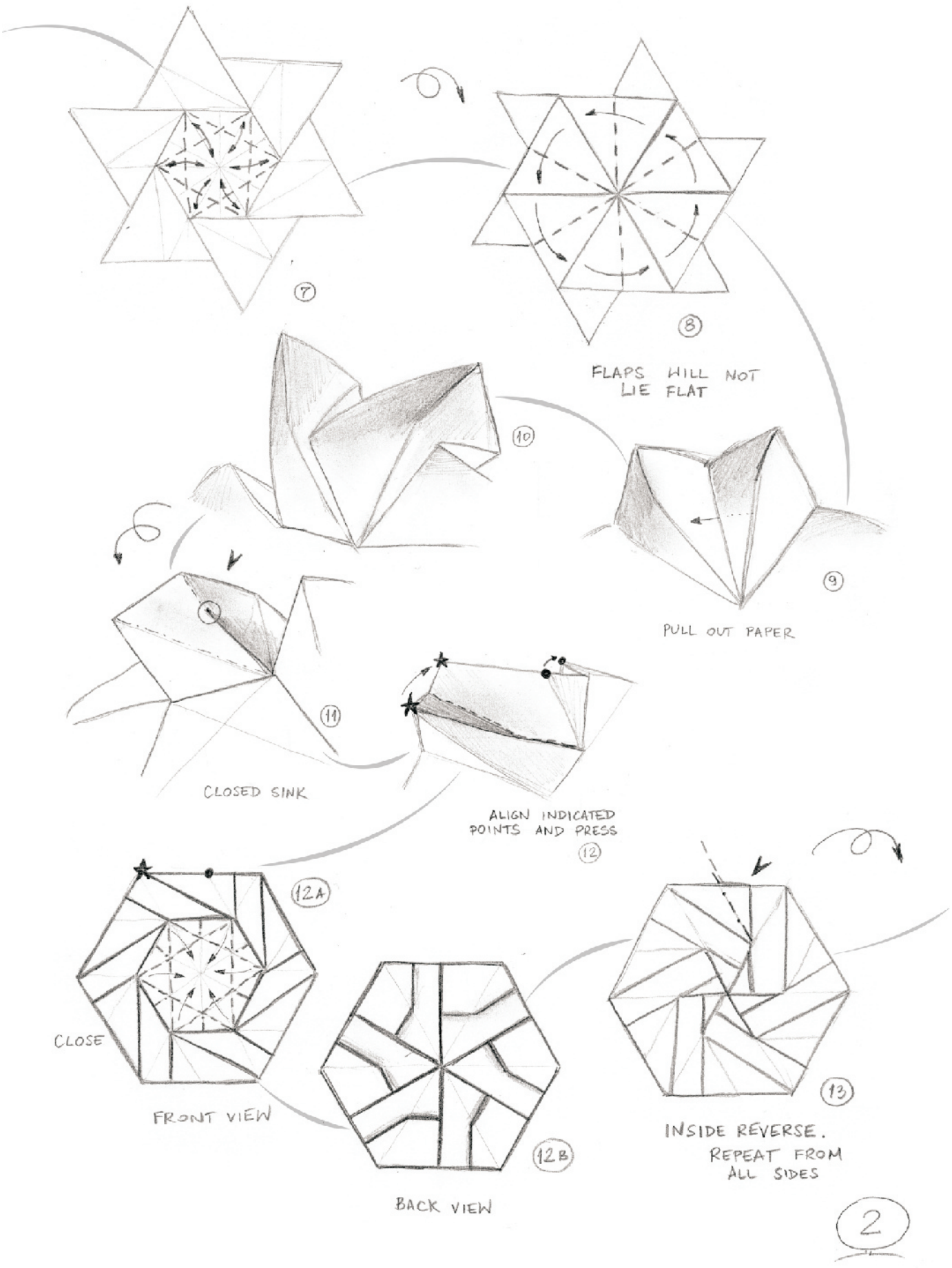


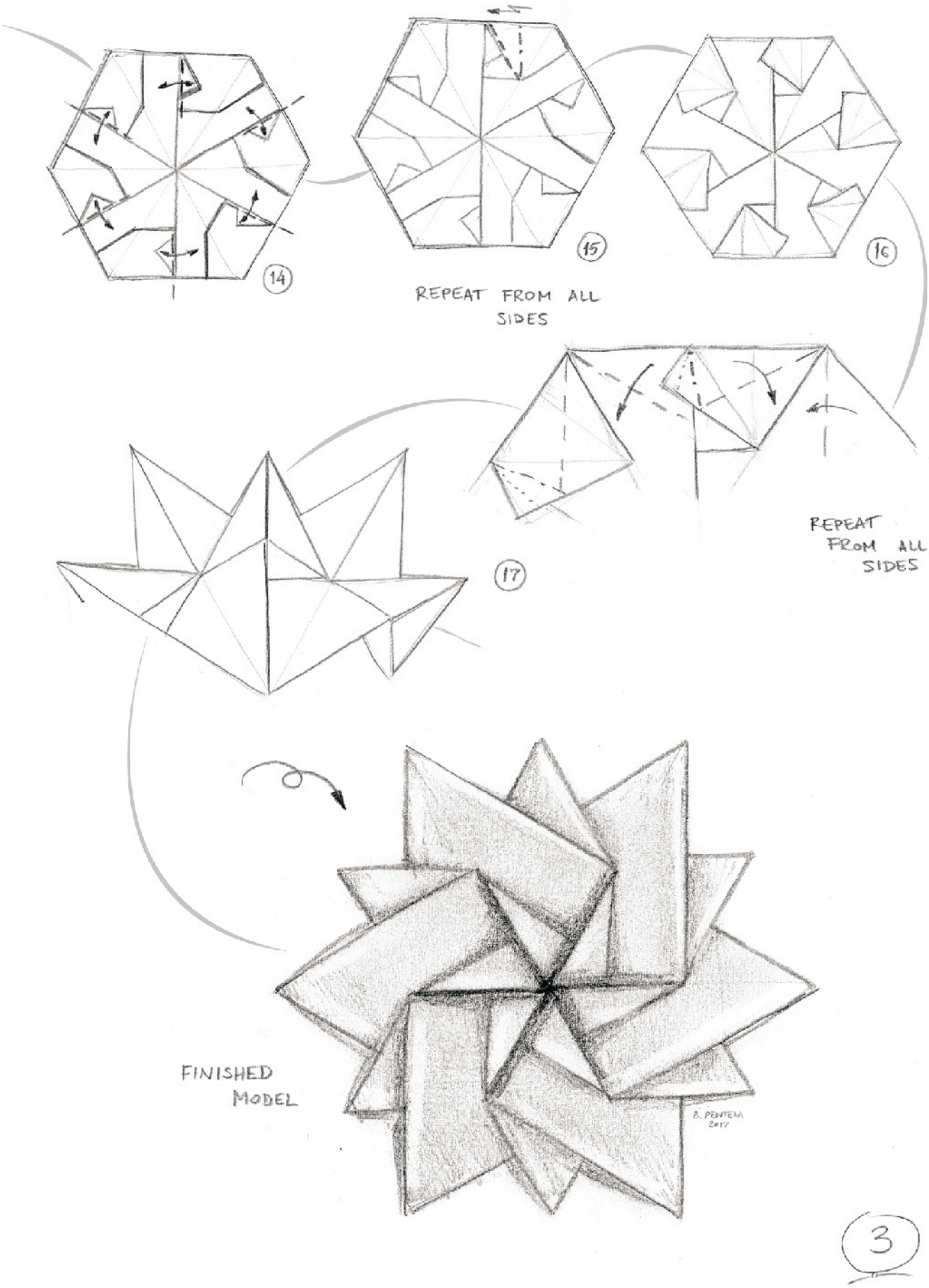
Bea Star

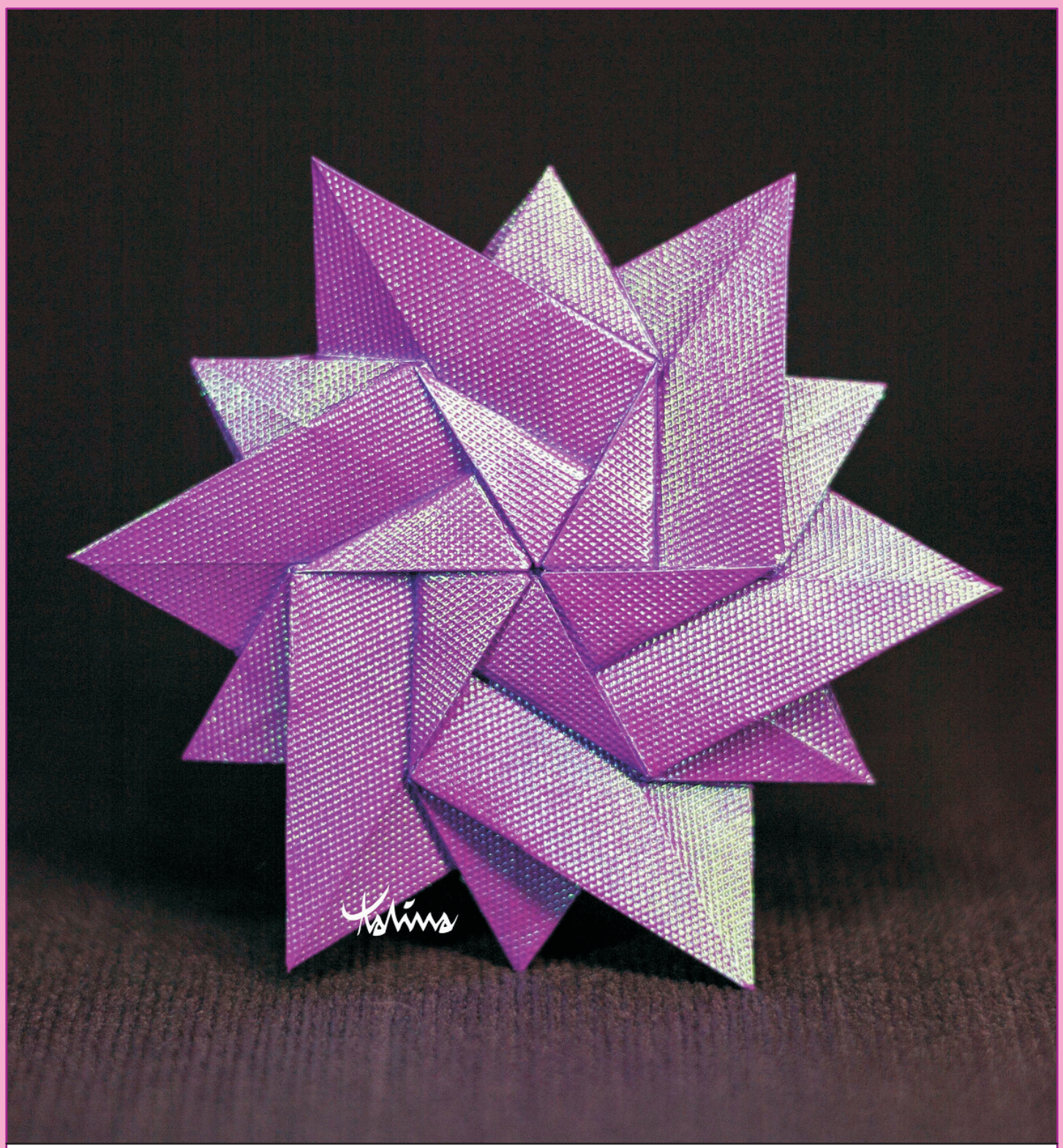
STAR - TRINITY 1

NATALIA GUZOWSKA




7
8
FLAPS WILL NOT LIE FLAT
10
9
PULL OUT PAPER
11
CLOSED SINK
ALIGN INDICATED POINTS AND PRESS
12
12A
CLOSE
FRONT VIEW
12B
BACK VIEW
13
INSIDE REVERSE.
REPEAT FROM ALL SIDES
2


14
15
16
REPEAT FROM ALL SIDES
17
REPEAT FROM ALL SIDES
FINISHED MODEL
B. PENTEA 2017
3

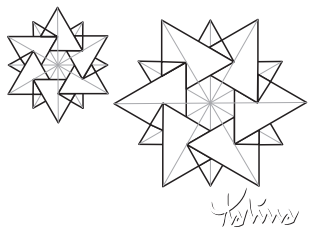


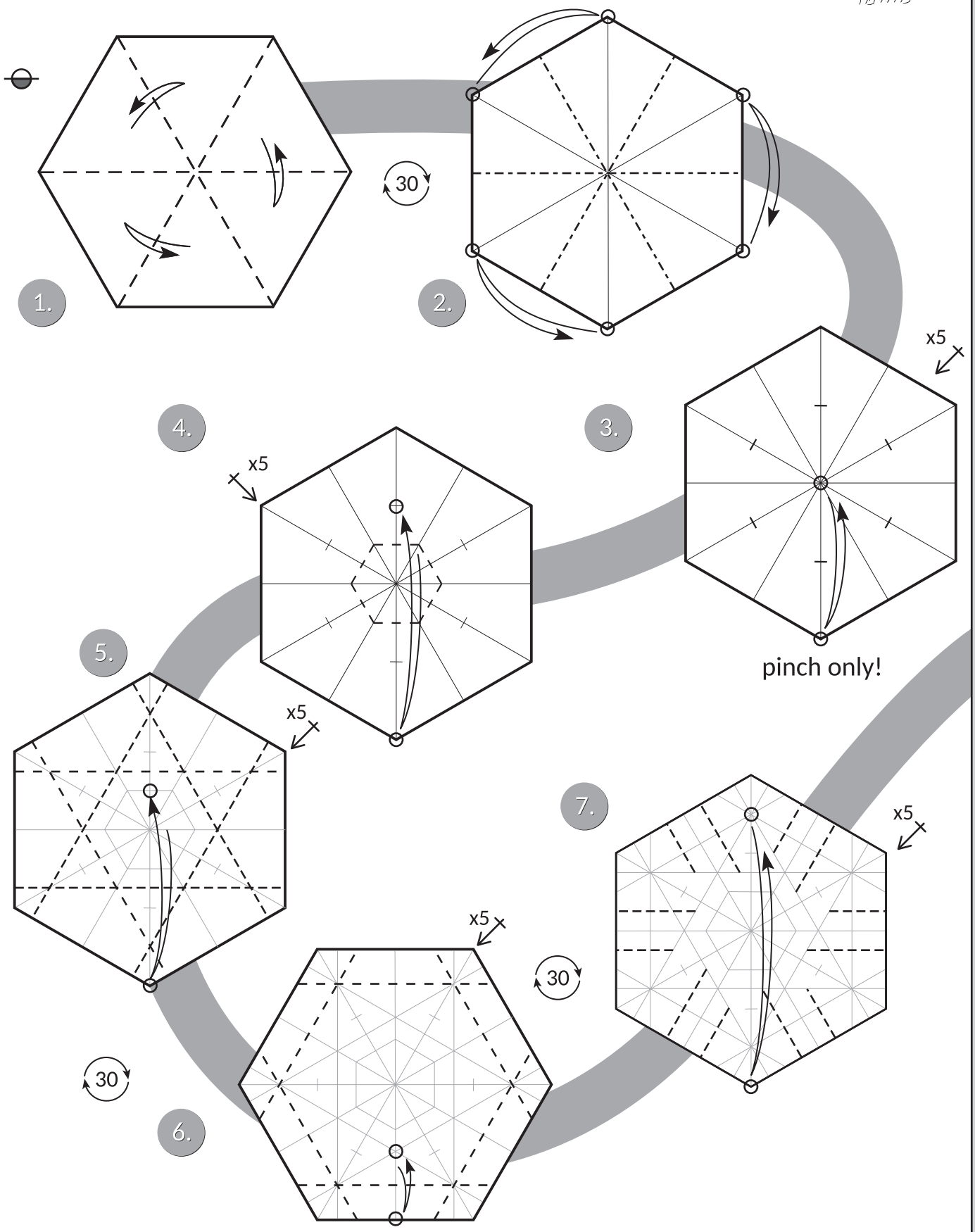
Star - Trinity 1

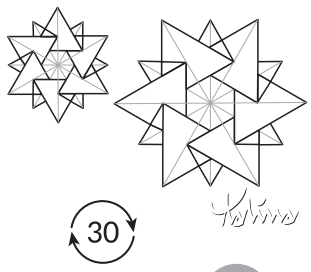
KROPKA STAR

NATALIA GUZOWSKA

Diagram: Natalia Guzowska & Tomasz Czunko

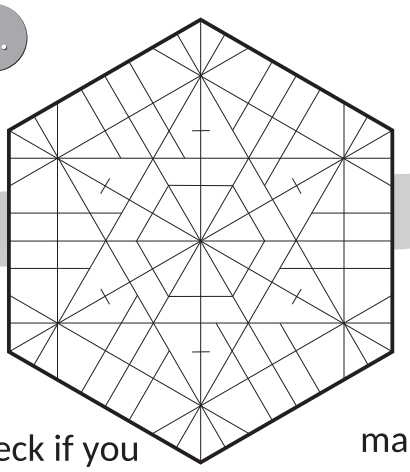






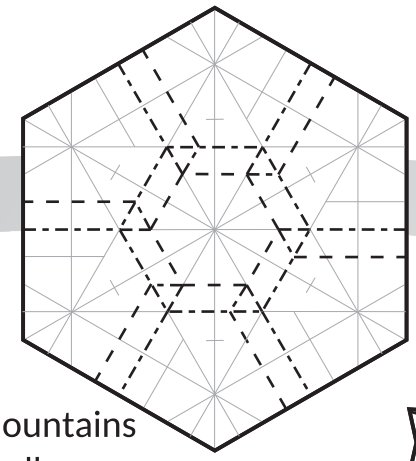
30

8.



check if you
have all creases

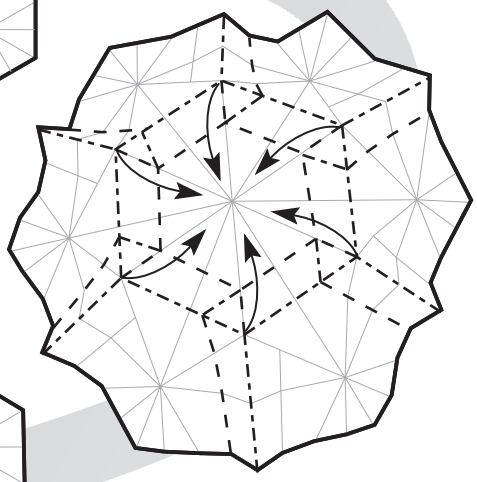
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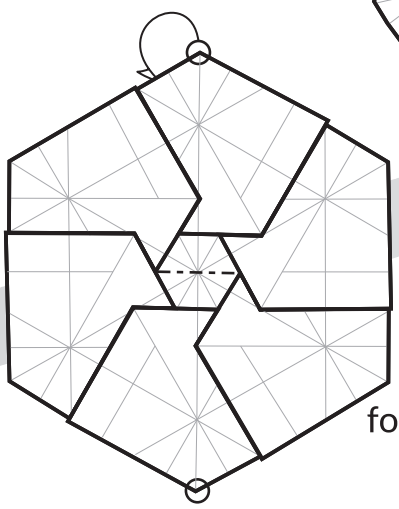
make mountains
and valleys

10.

collapse

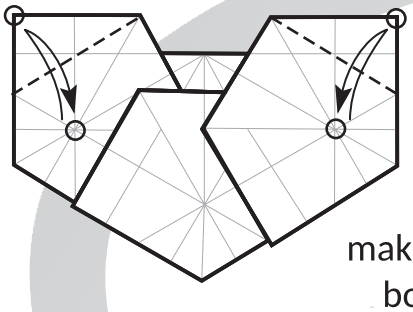


11.



fold model
in half

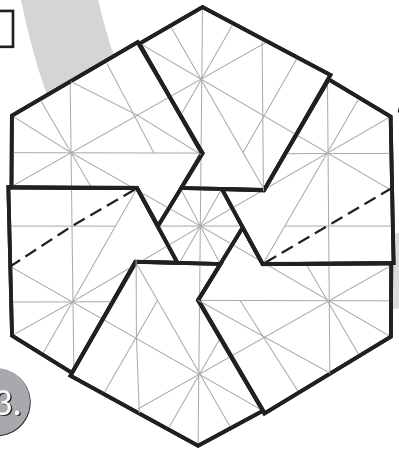
12.



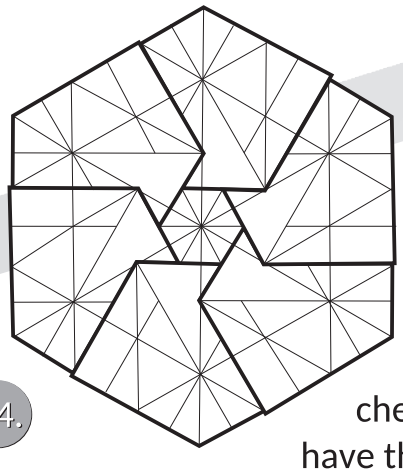
make creases
both side
and unfold model

11 - 12

11 - 12

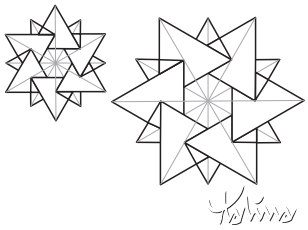


13.



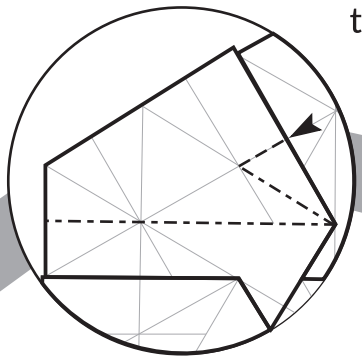
14.

check if you
have those creases

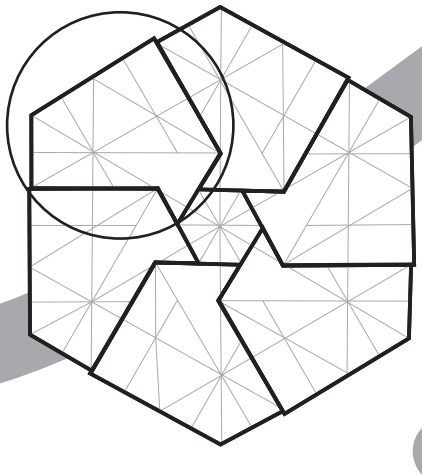


from this step
the model is 3D

16.

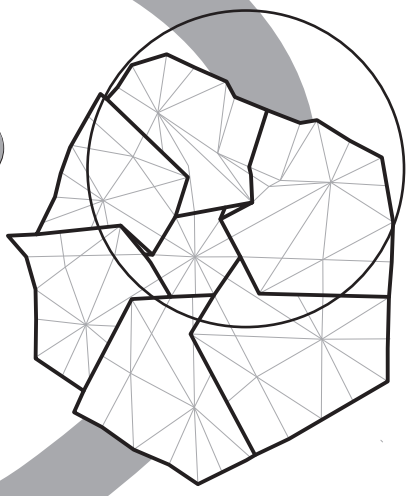


15.

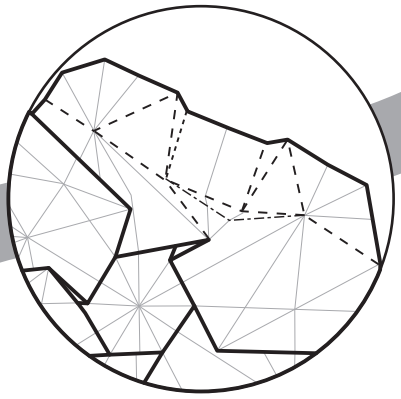


first make
a mountain crease

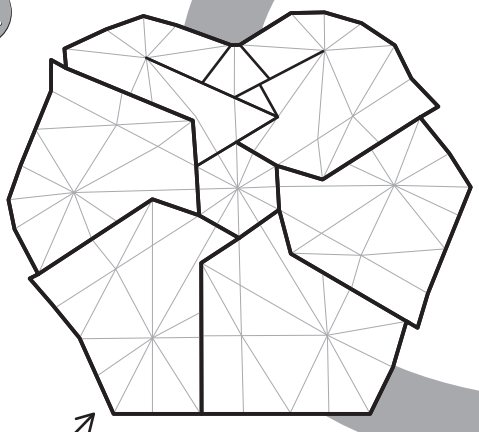
17.



18.



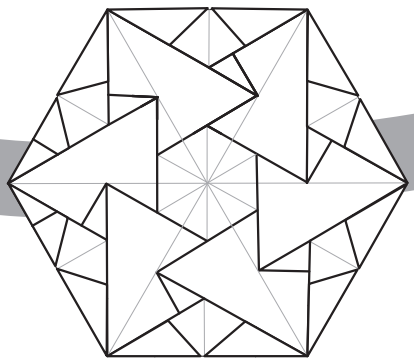
19.



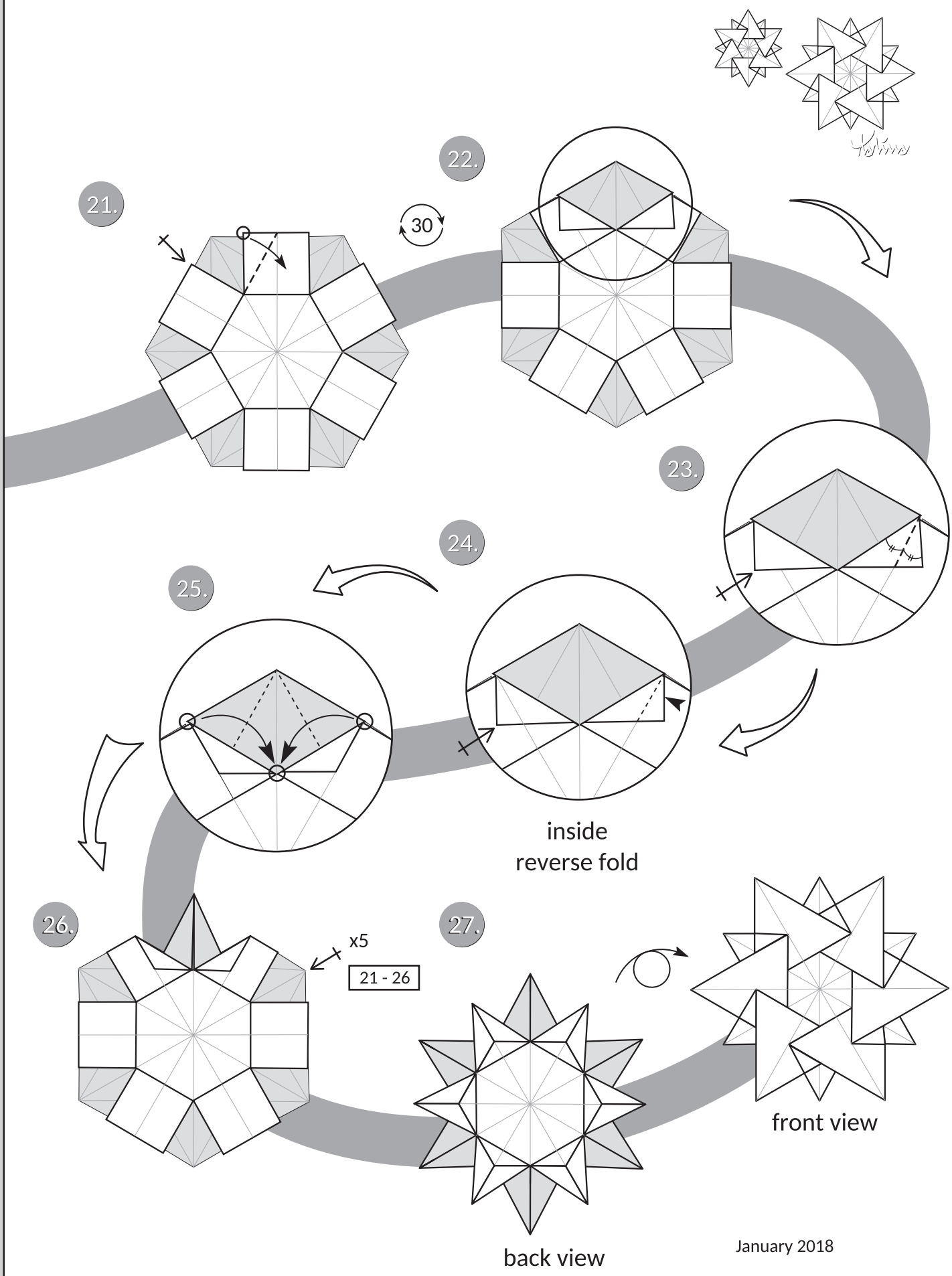
x5

15 - 18

in this step model
should be flat again

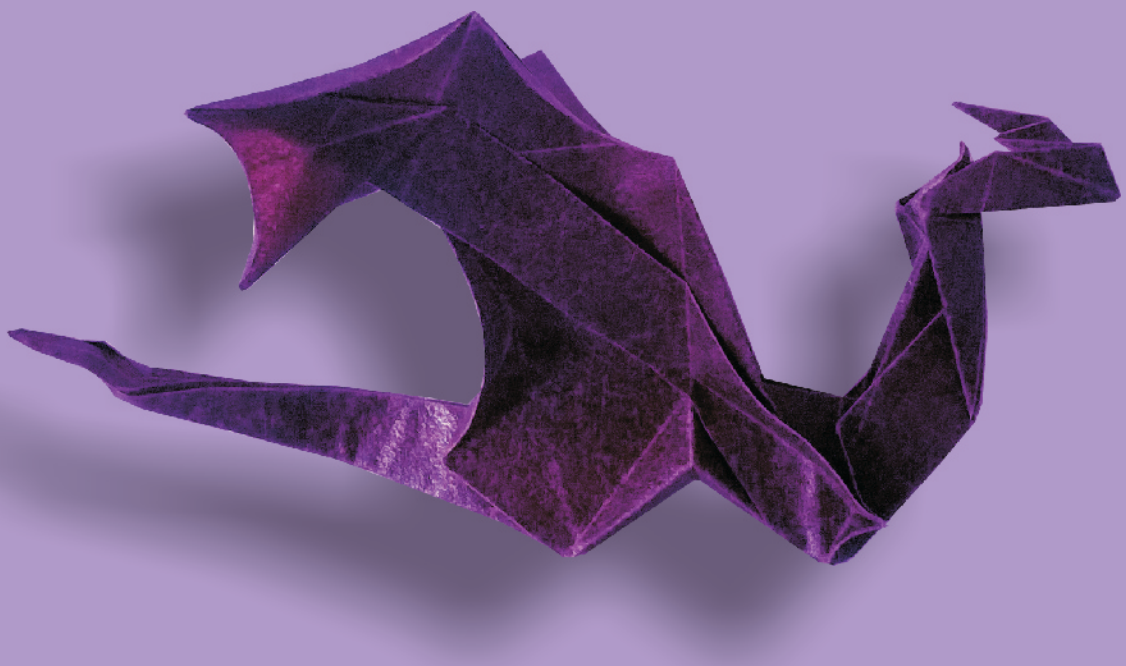


20.


21.
30
22.
23.
24.
25.
inside
reverse fold
26.
x5
21 - 27
27.
front view
back view
January 2018



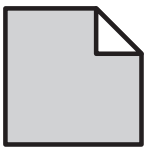
Kropka Star



Tomasz Czunko

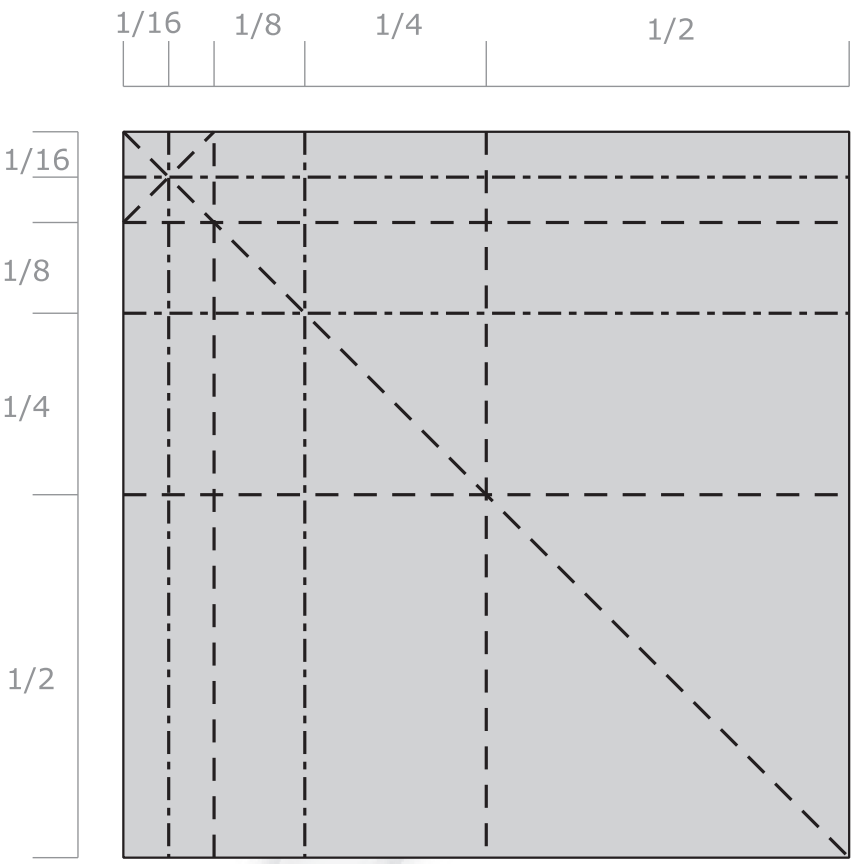
'CfC Dragon'

TOMASZ CZUNKO

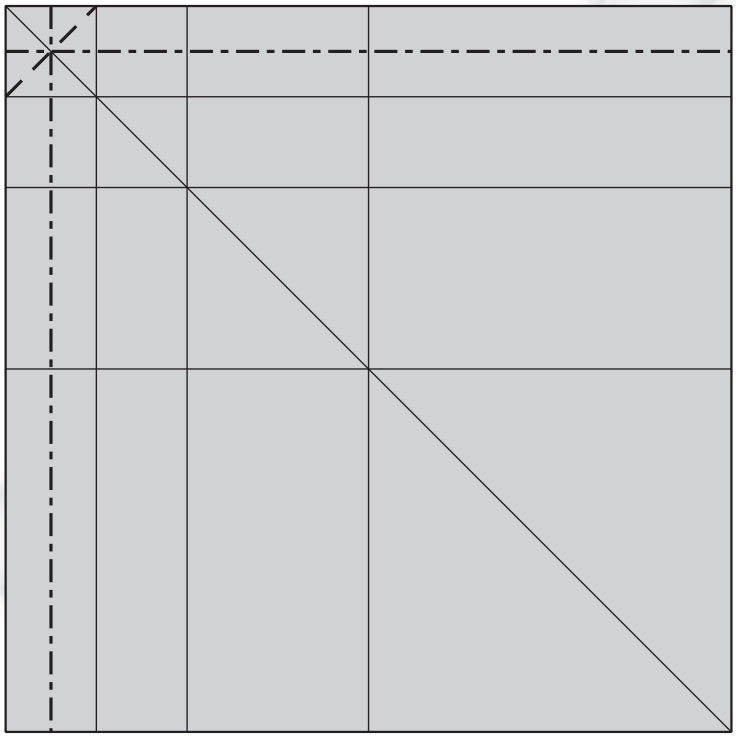


'CfC Dragon' 

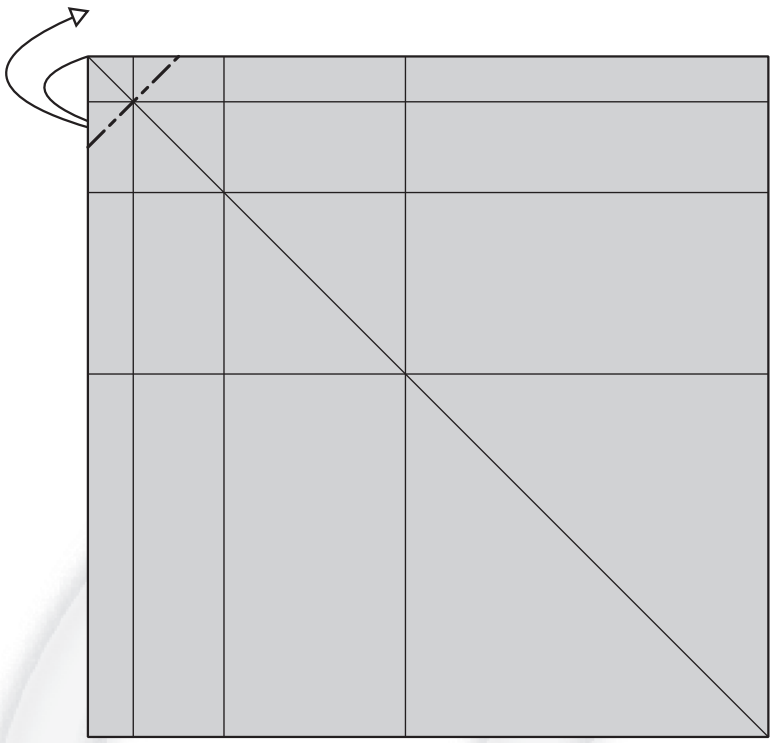
1. Make some base folds.



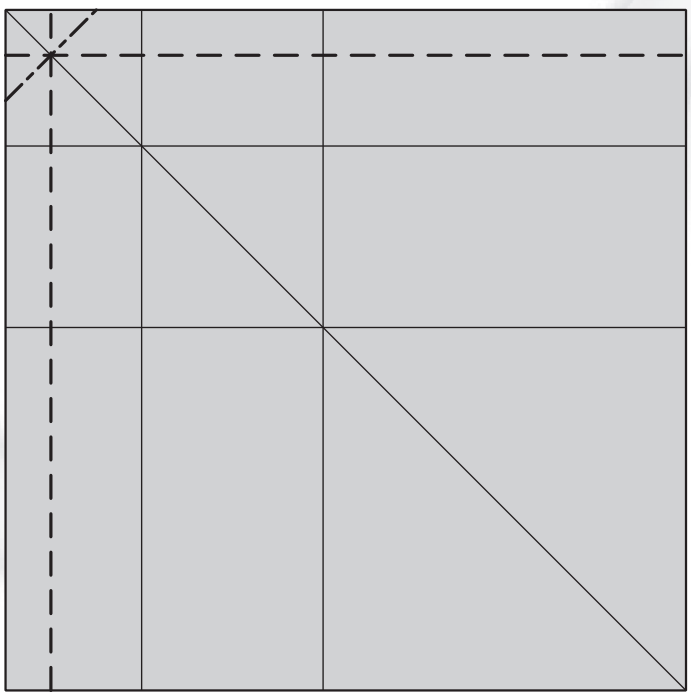
2. Preliminary fold.



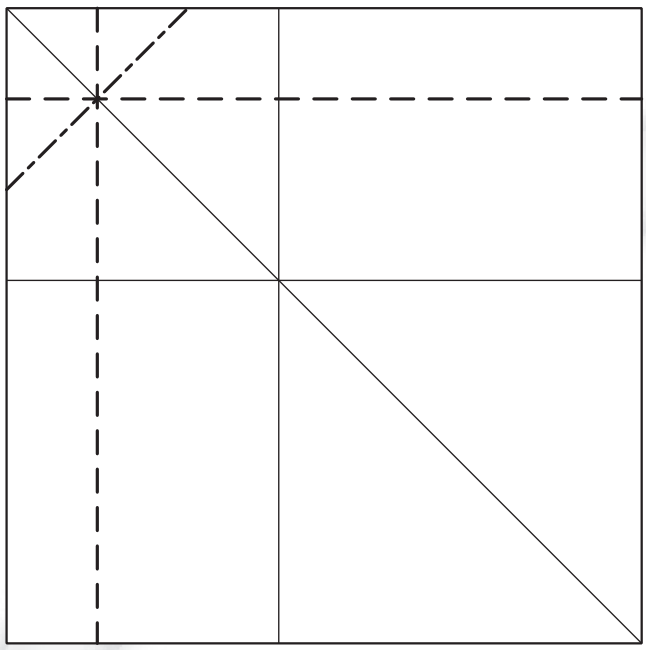
3.



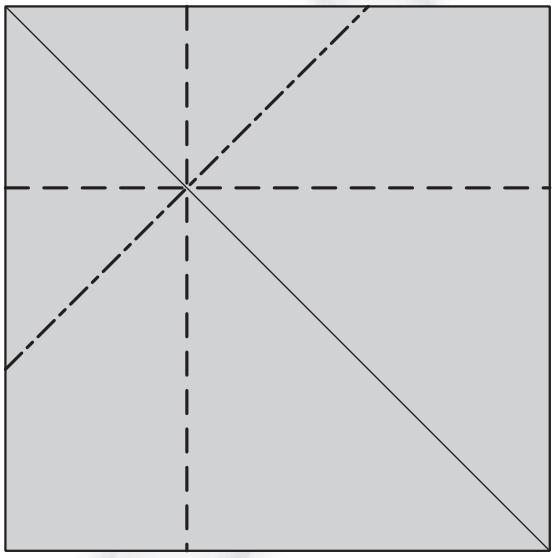
4. Preliminary fold.



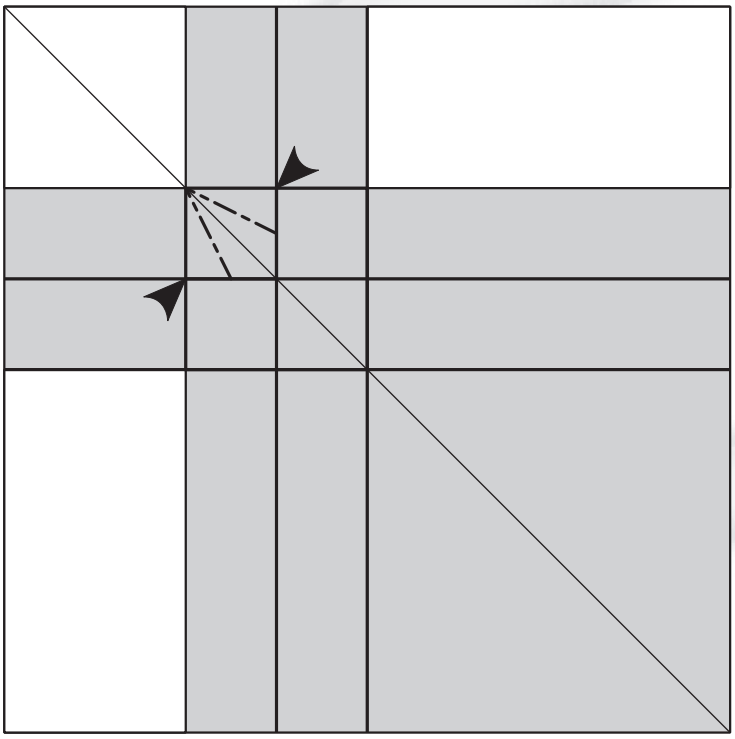
5. Repeat steps 3 and 4.



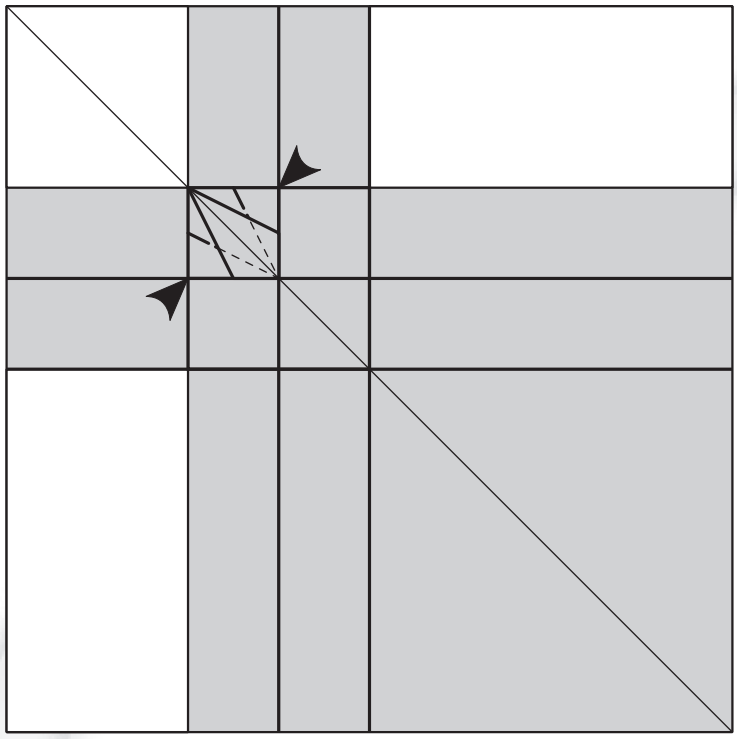
6. Repeat steps 3 and 4.



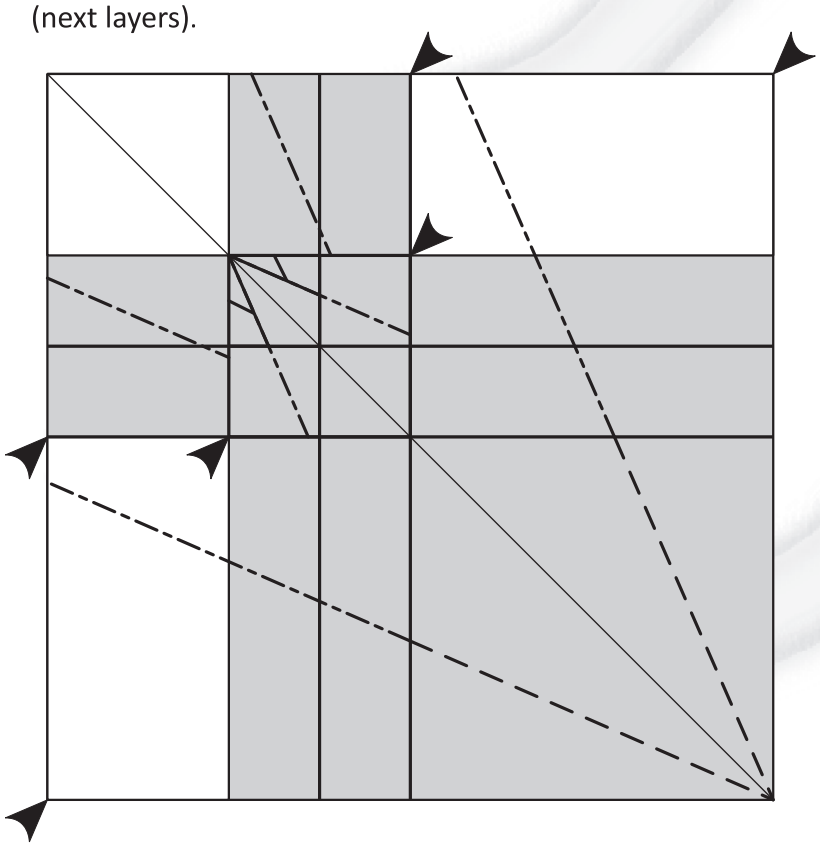
7. Make partial bird base (first layer).



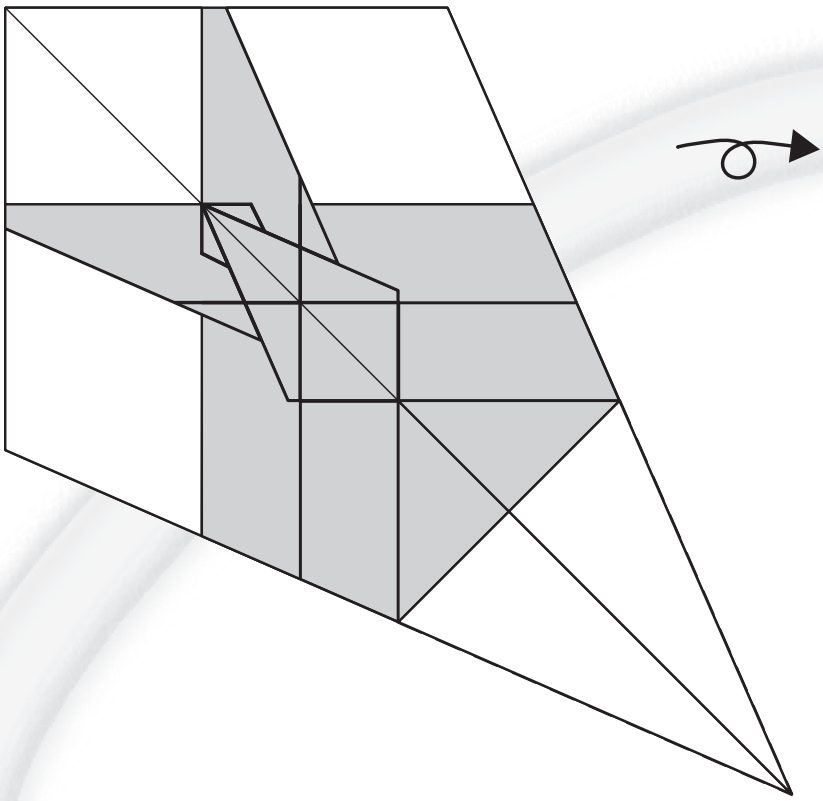
8. Make partial bird base (second layer).



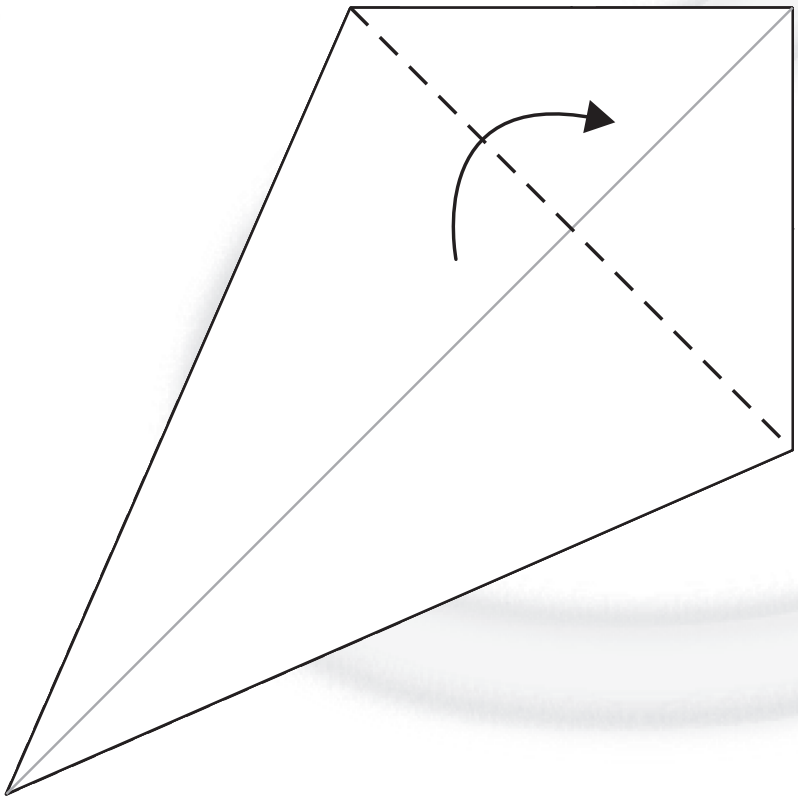
9. Repeat partial bird base 3 times (next layers).



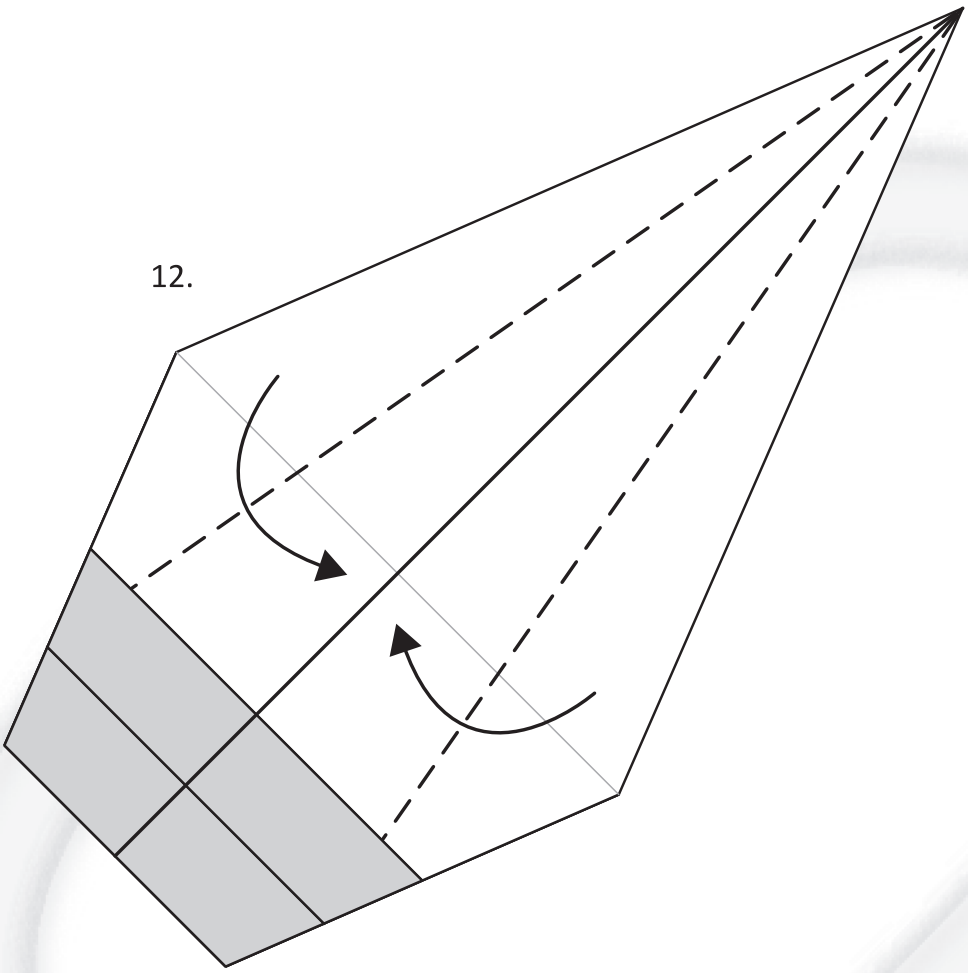
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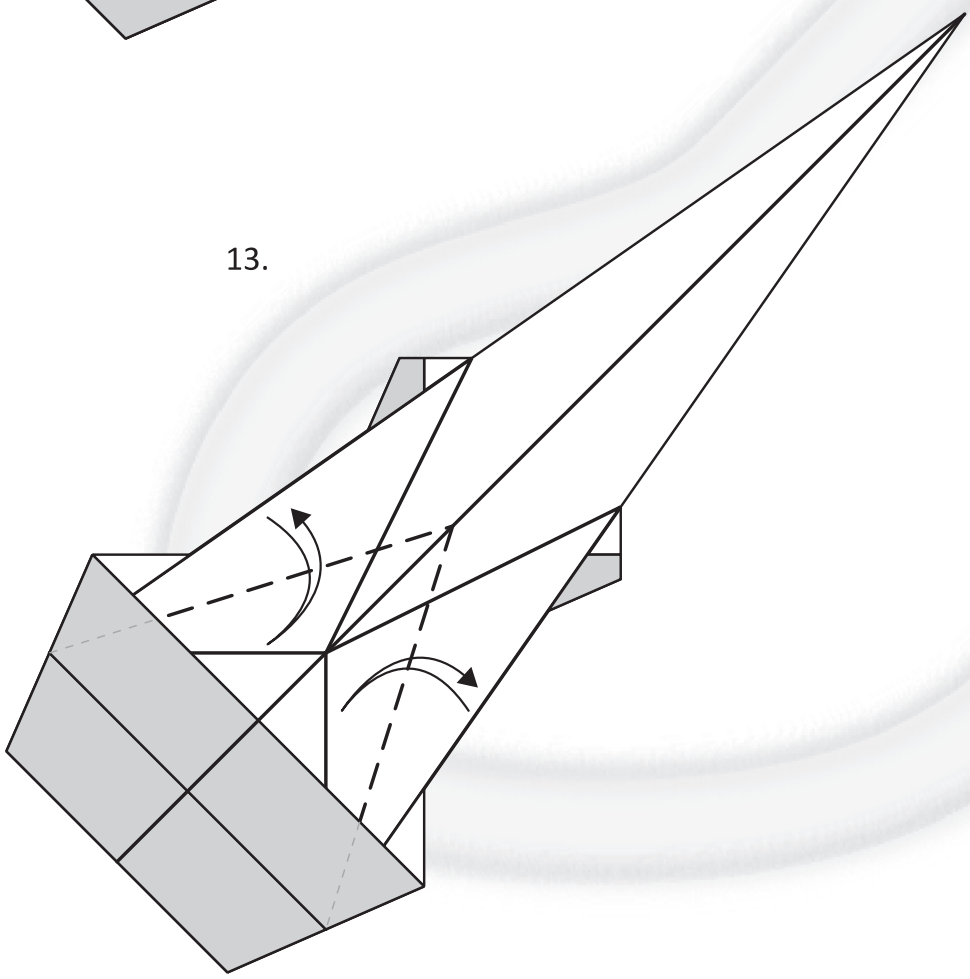
11.



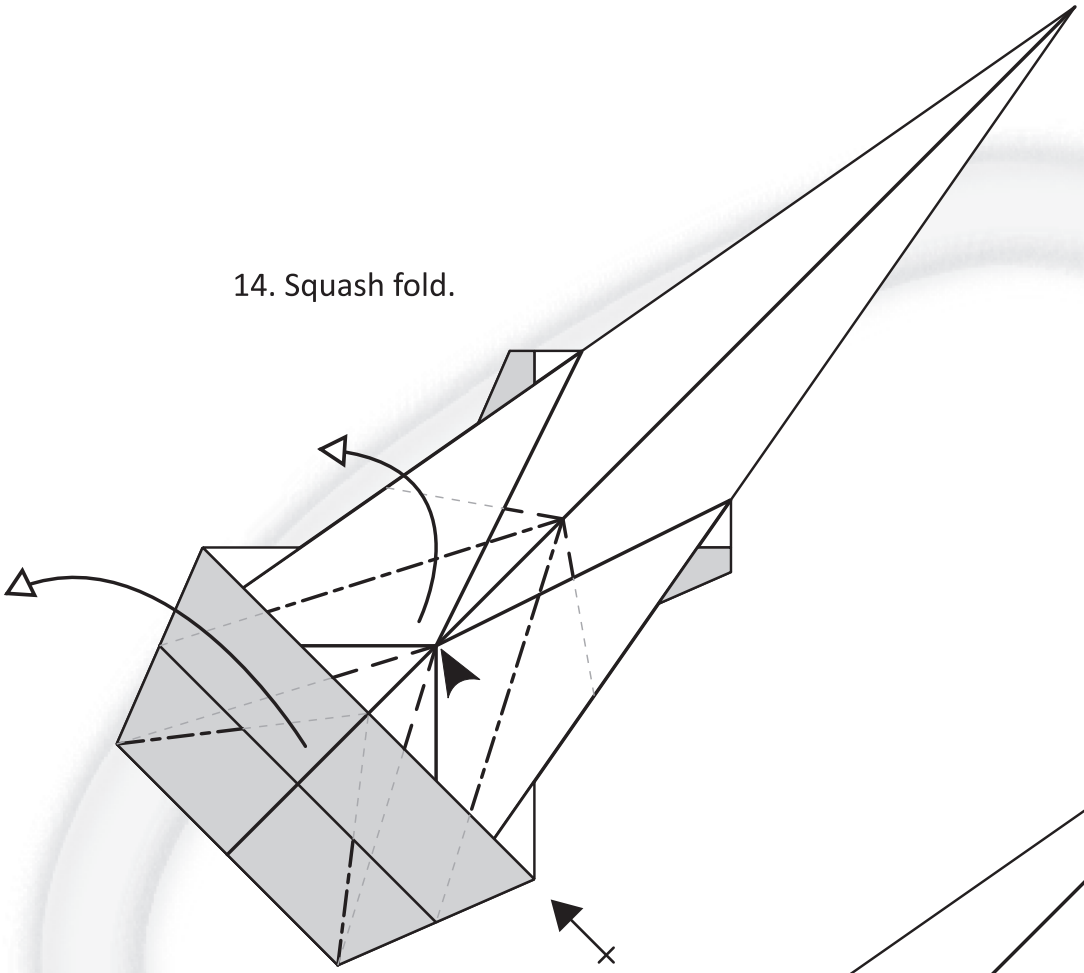
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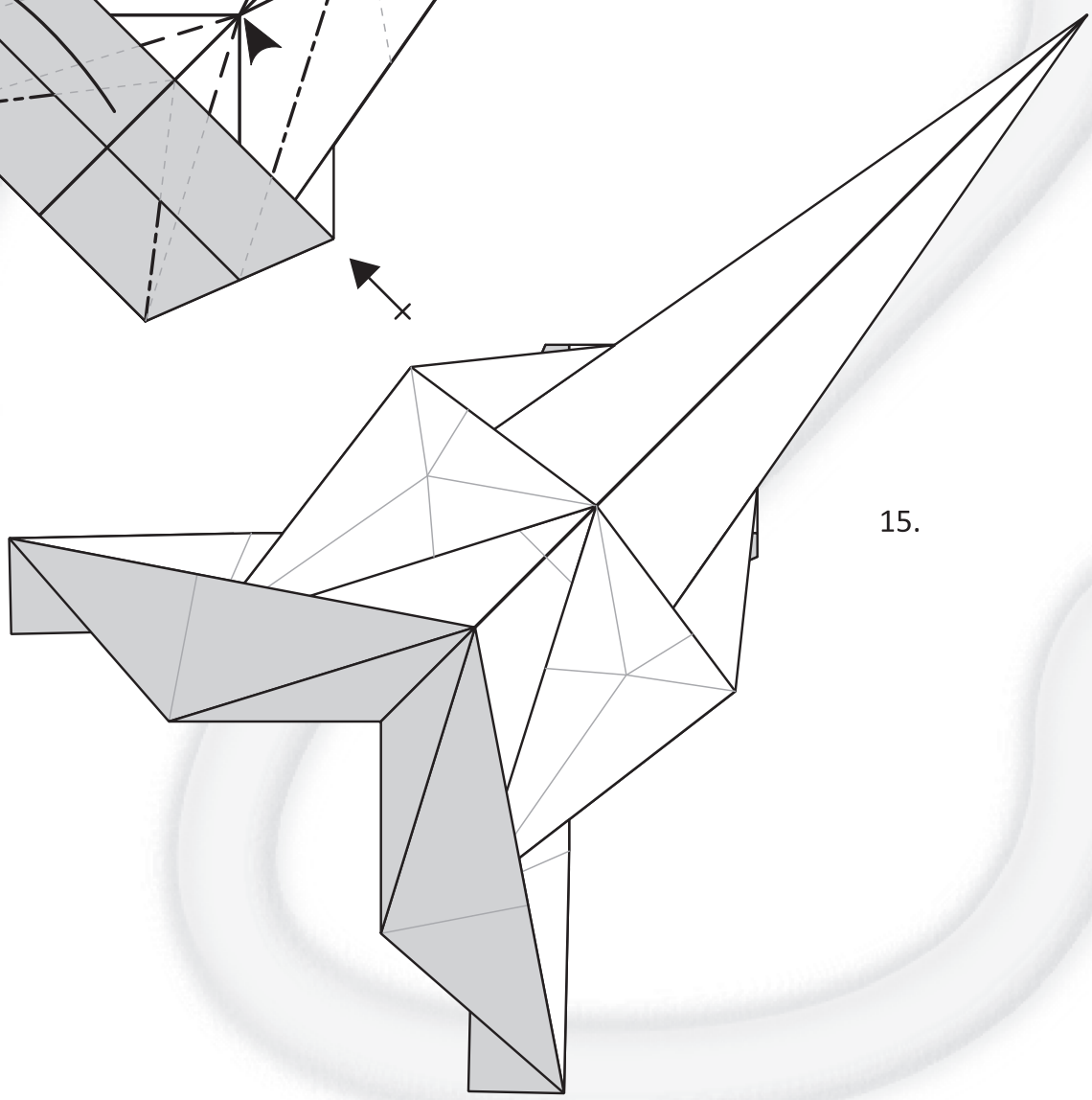


13.



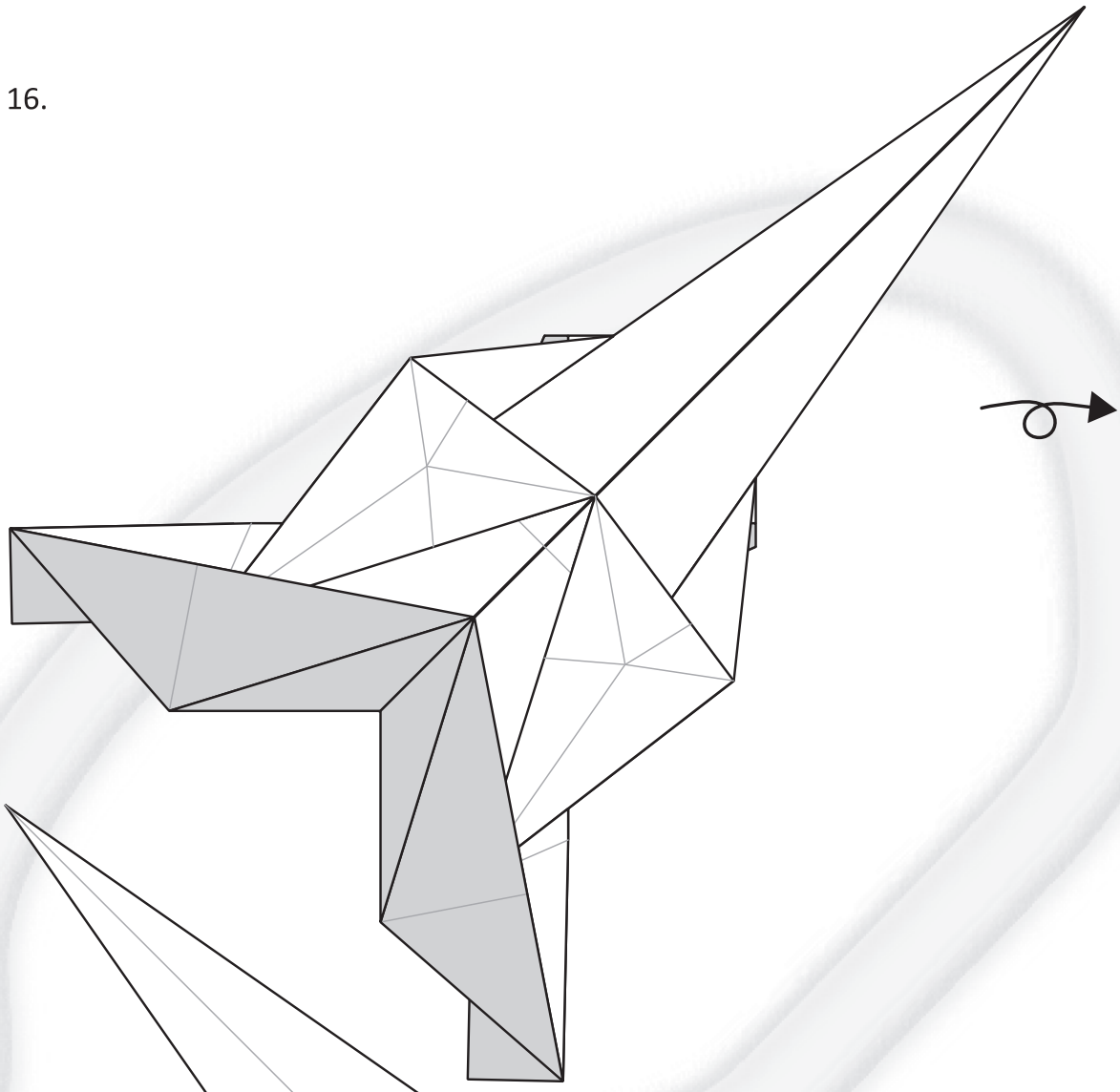
14. Squash fold.



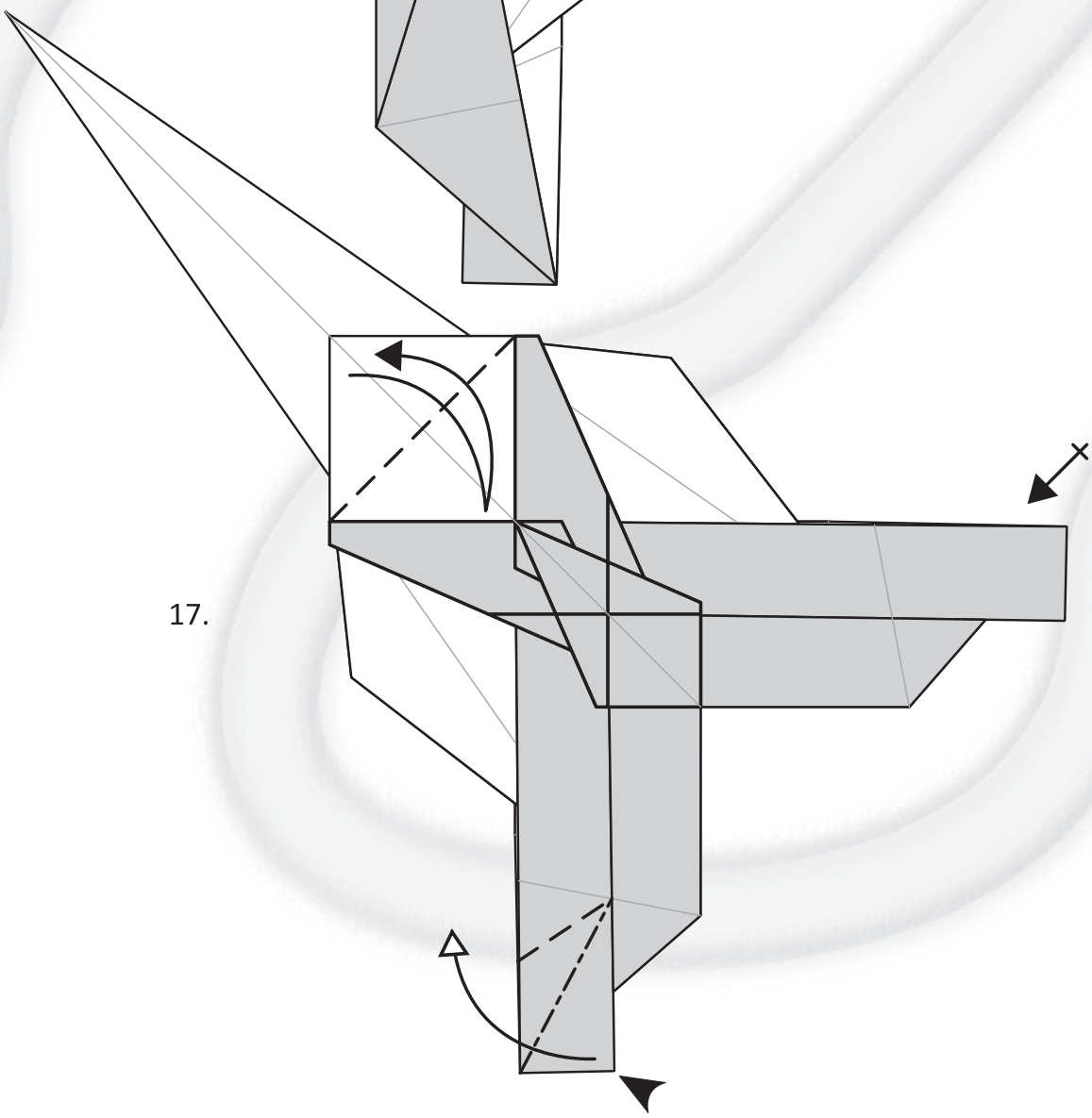


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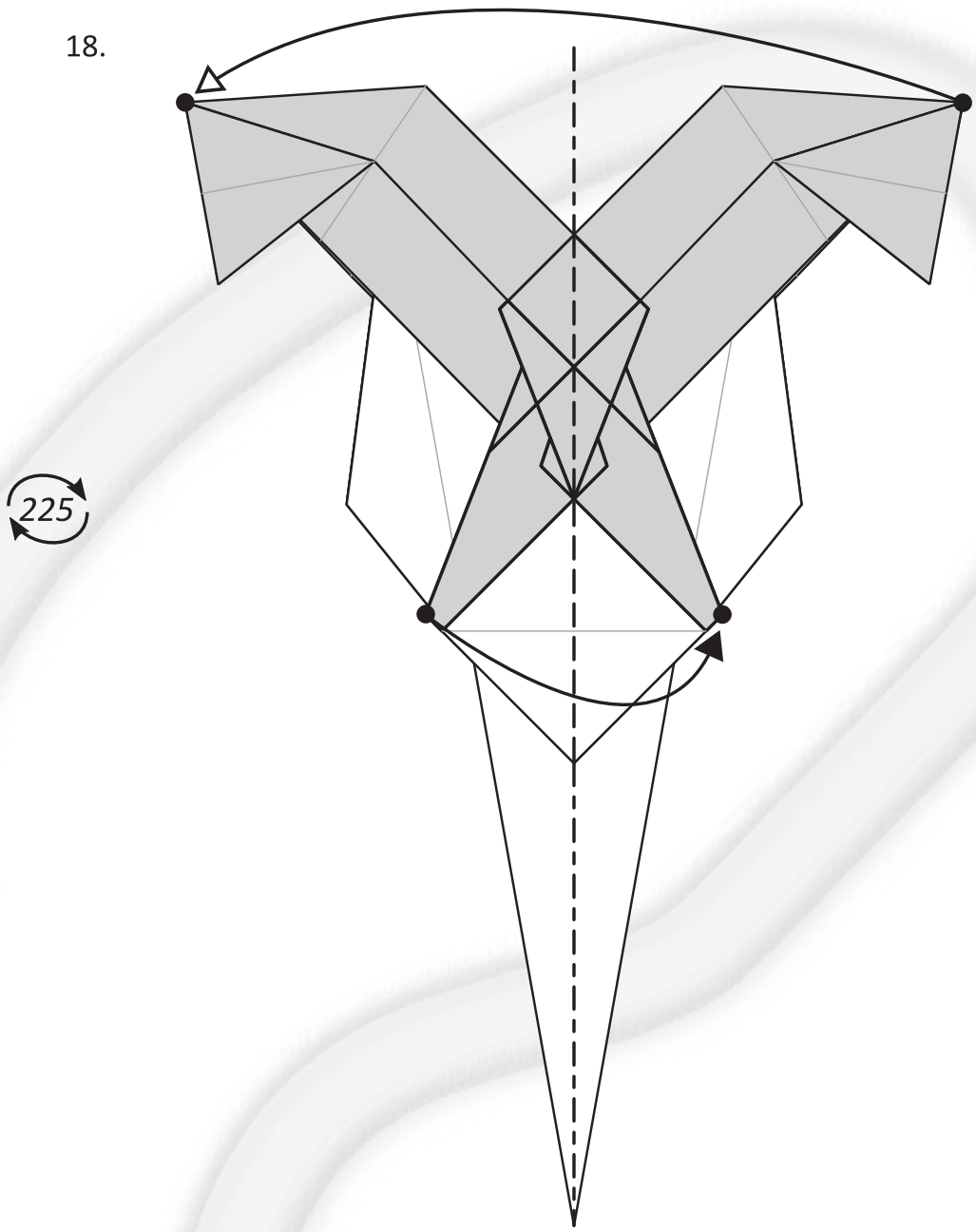
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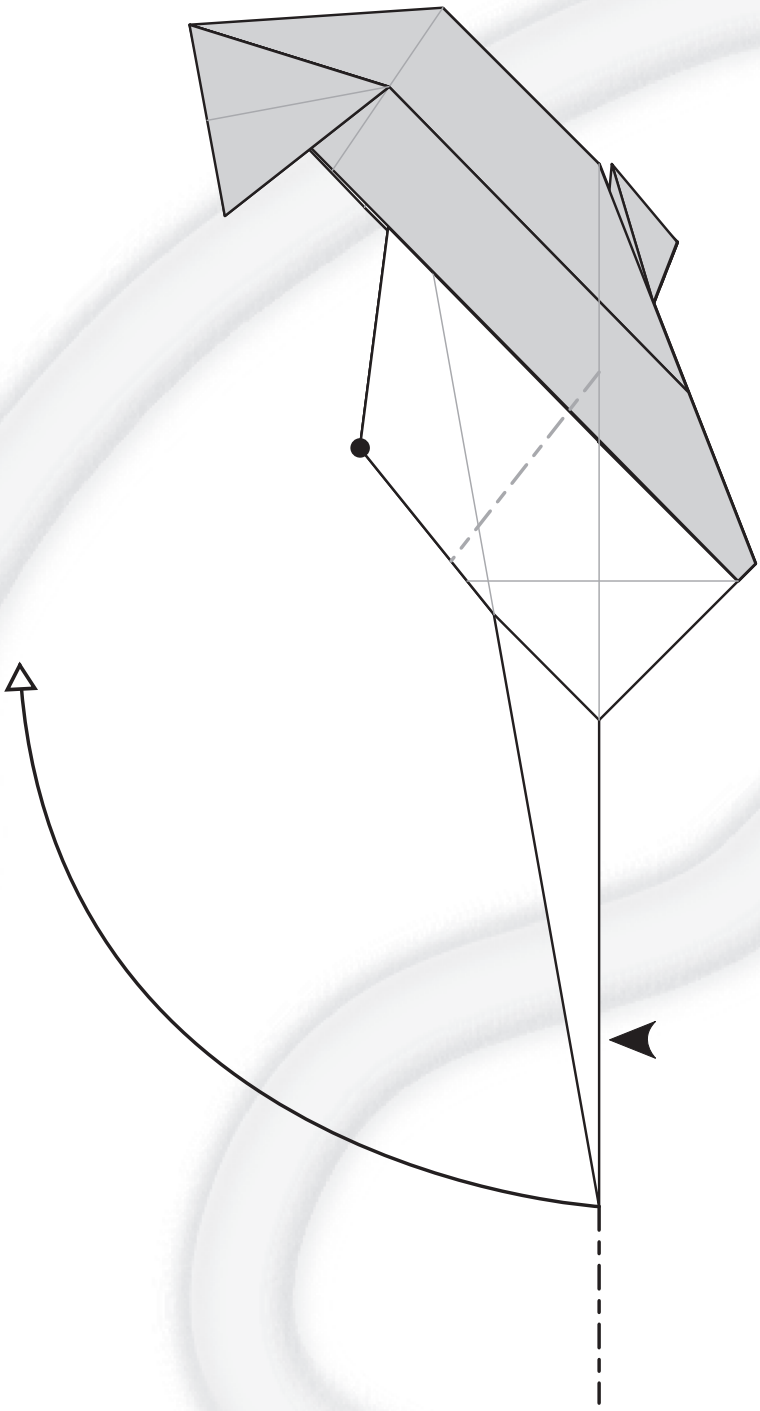
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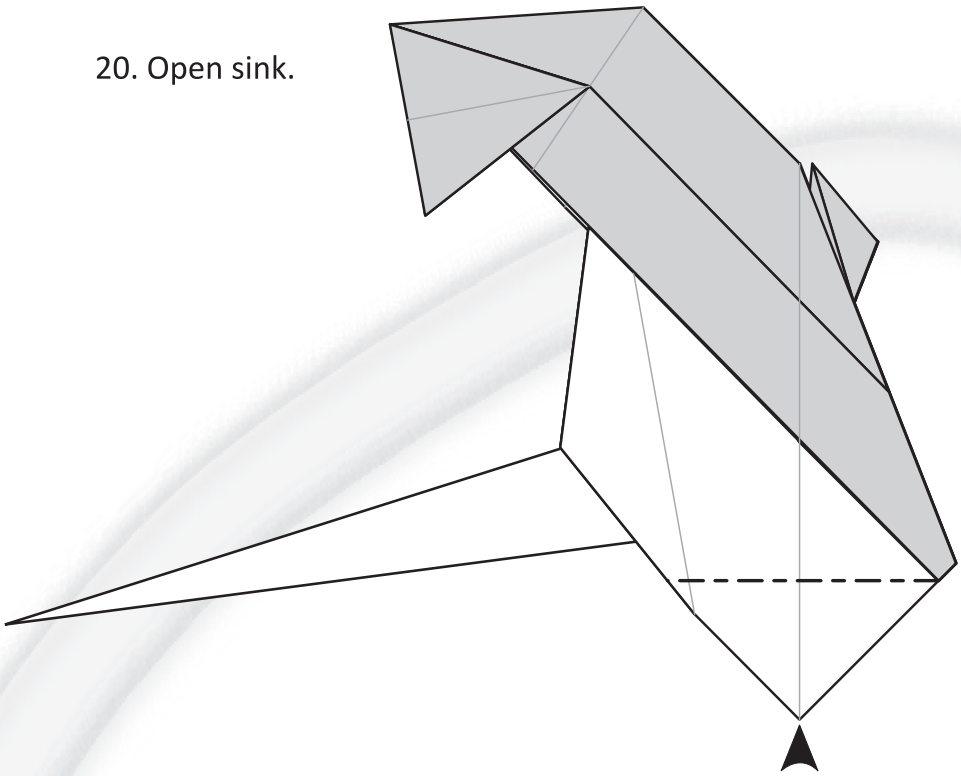
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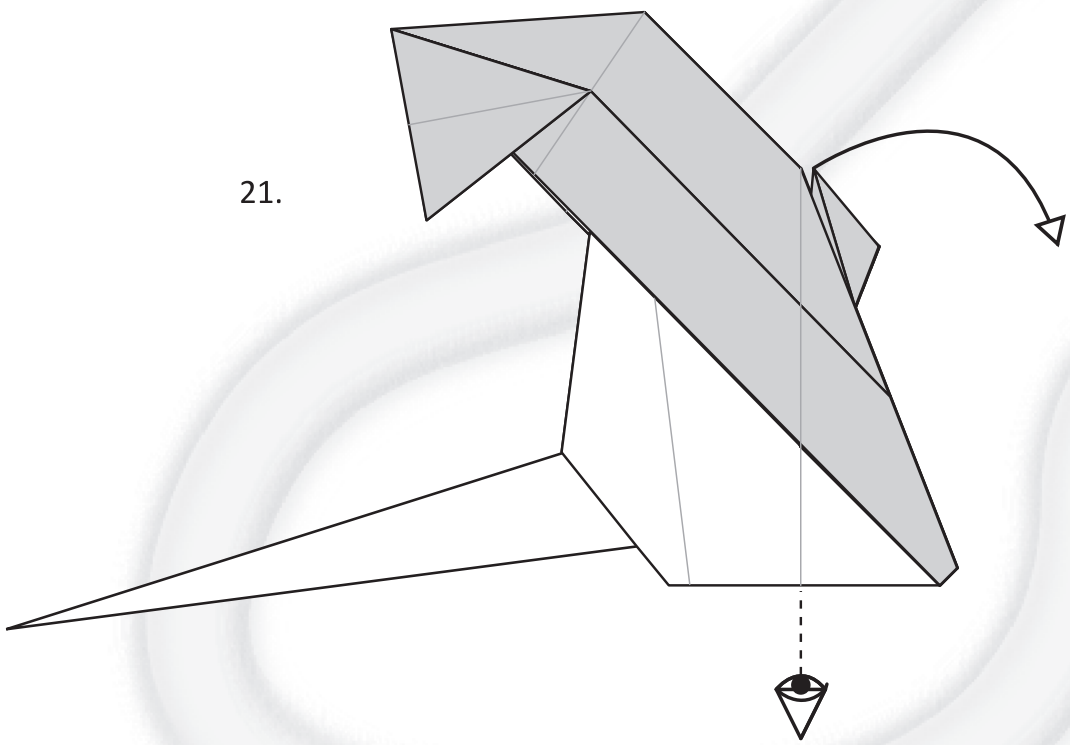
19. Inside reverse fold.



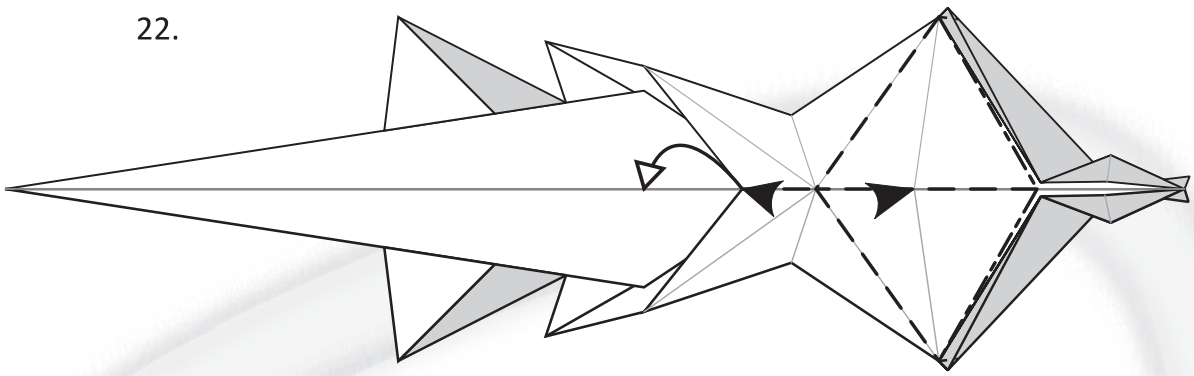
20. Open sink.



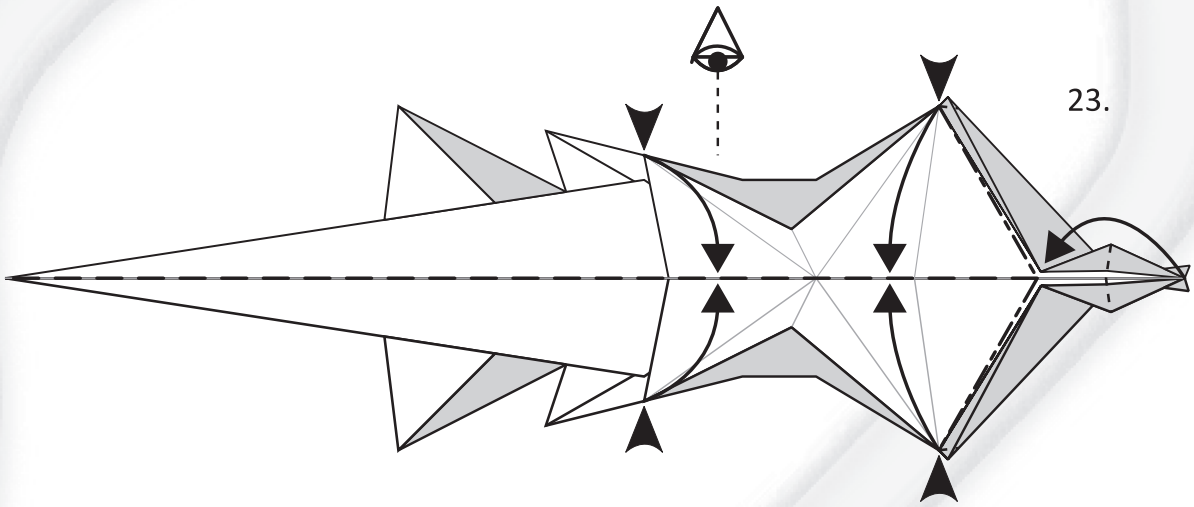
21.



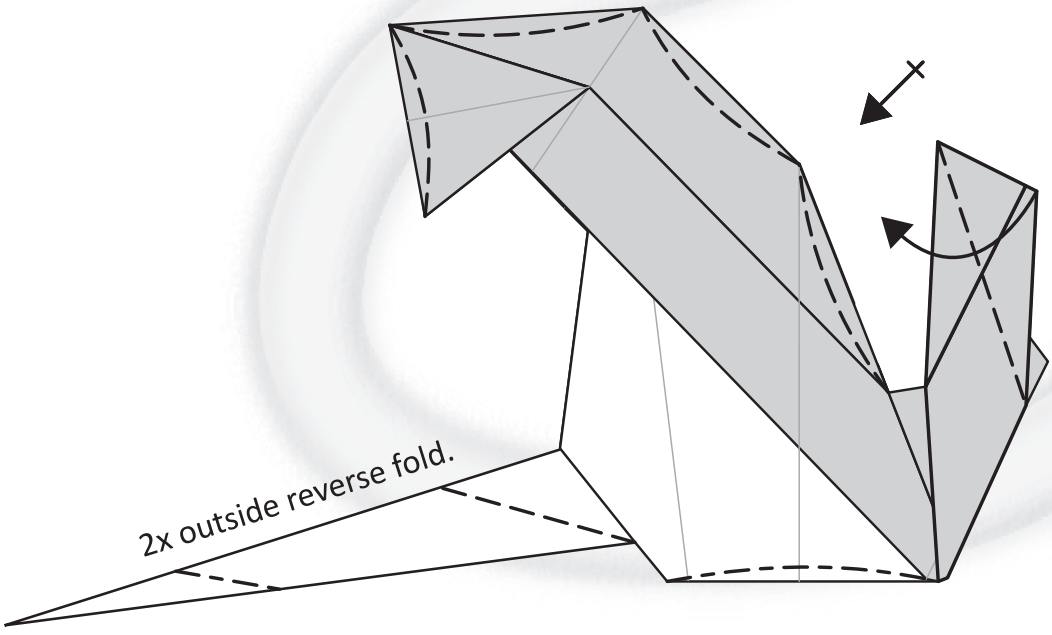
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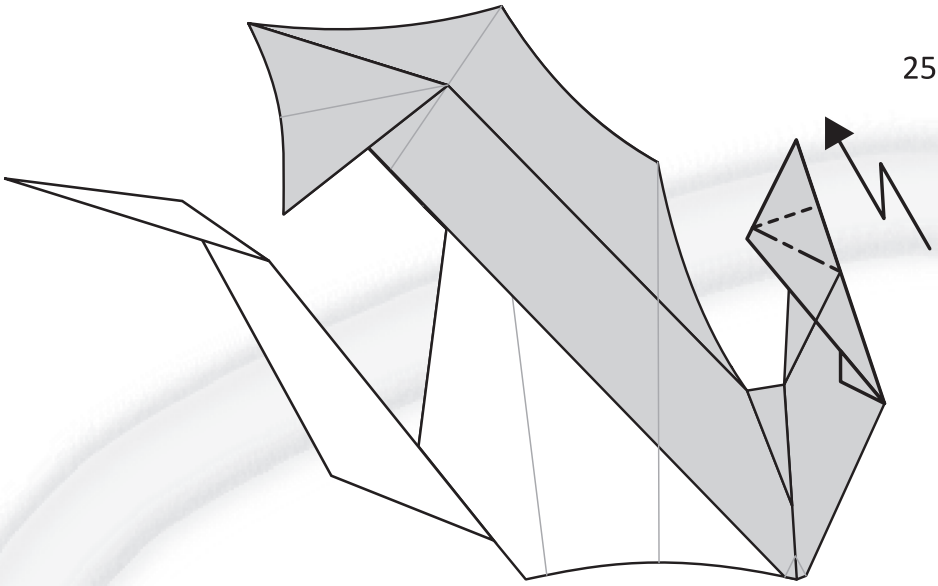


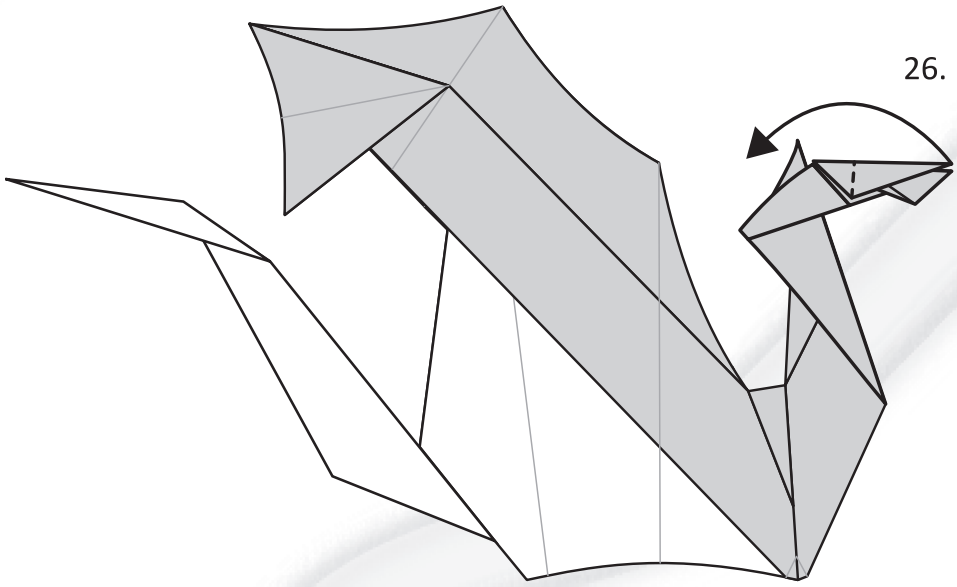
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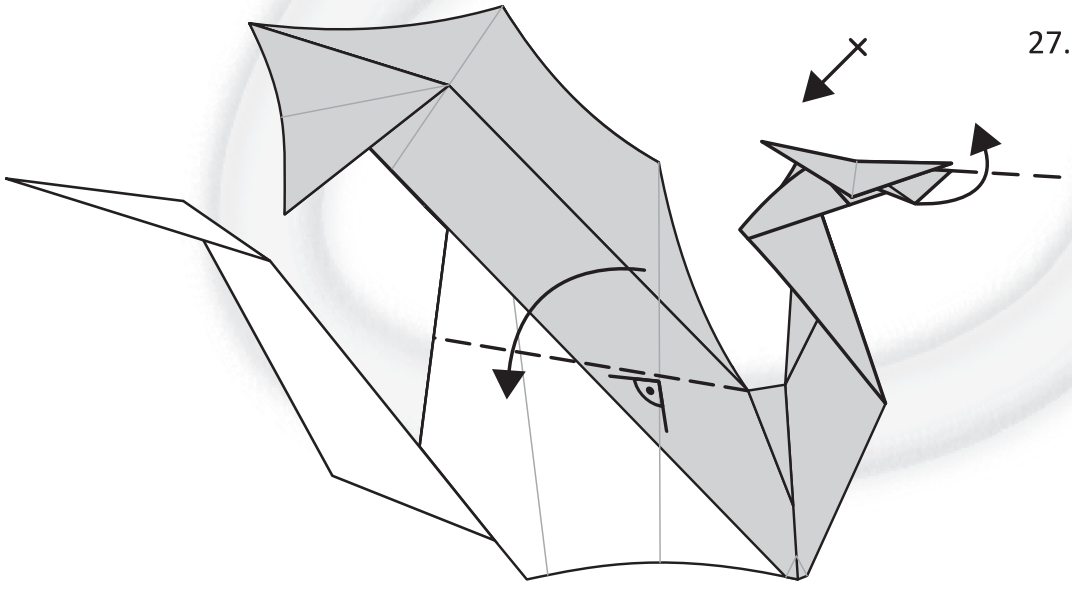


24.

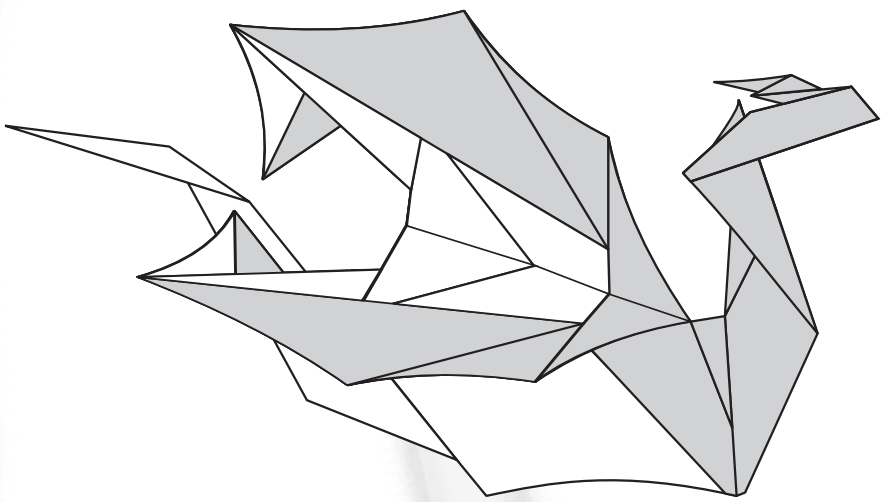



25.


26.


27.

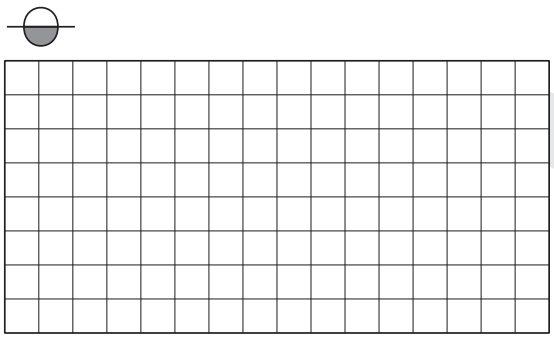
28. Final model.



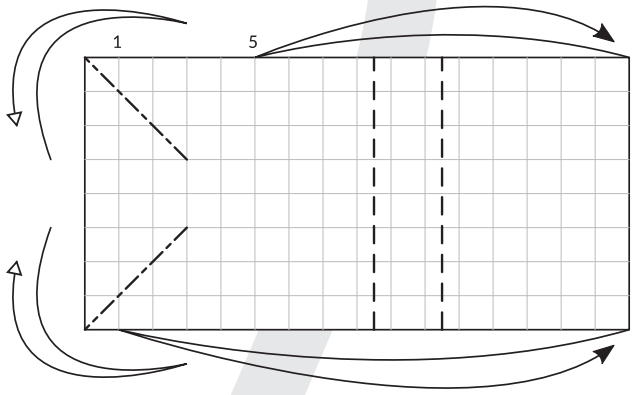
This model was created at the first Convention for Creators.
It owes its creation and name to the positive approach of
Viviane Berty.

BULLDOZER

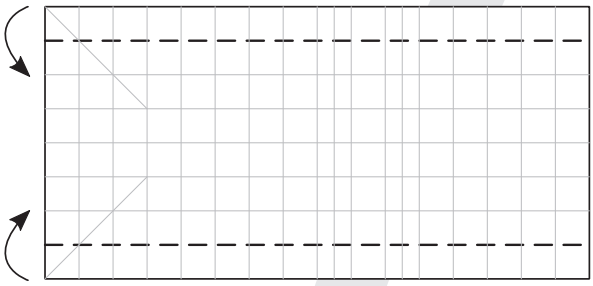
TOMASZ CZUNKO



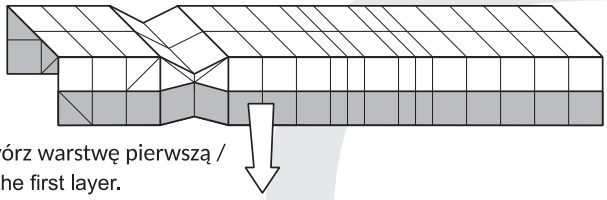
1. 2:1. Siatka 16x8 grid.



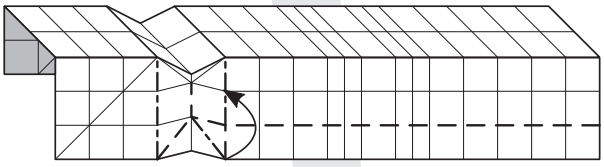
2.



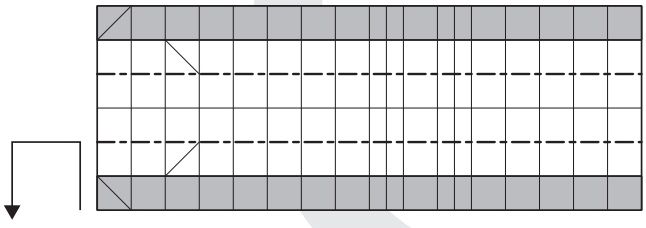
3.



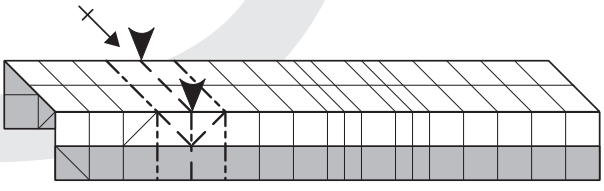
6. Otwórz warstwę pierwszą / Open the first layer.



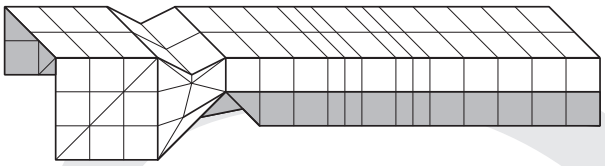
7. Zamknij tworząc nowe zagięcia (squash) / Close and make new folds (squash).



4. Złóż w 3D / Make 3D.

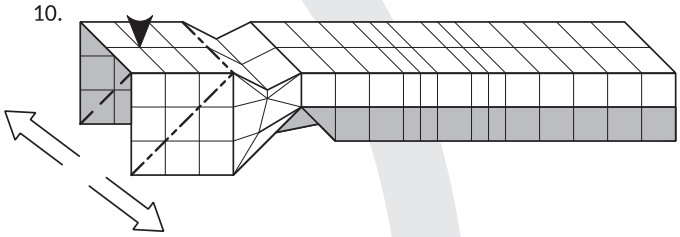


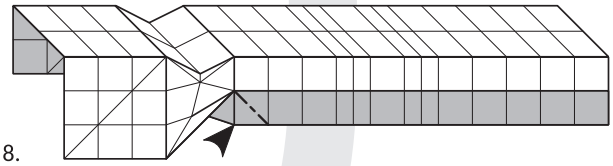
5.



9. Powtórz kroki 6-8 po drugiej stronie /
Repeat steps 6 to 8 on the other side.

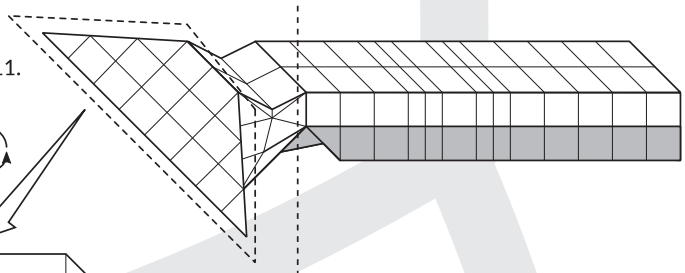
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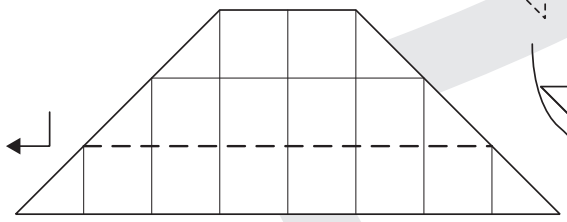




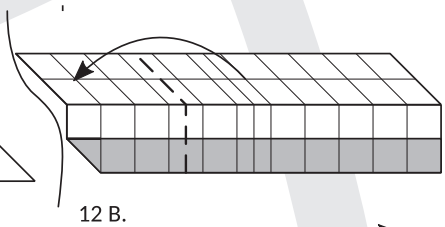
8.

11.

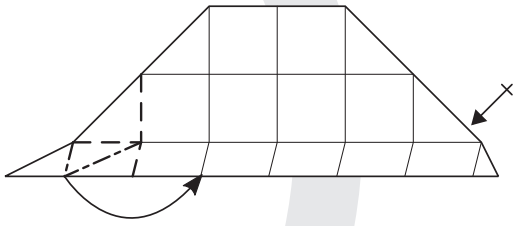




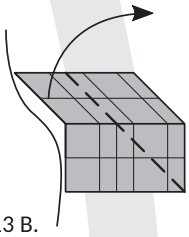
12 A.



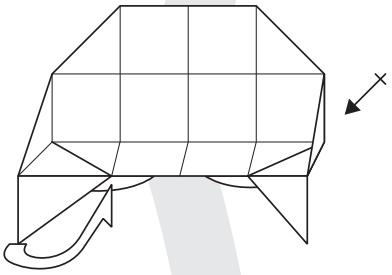
12 B.



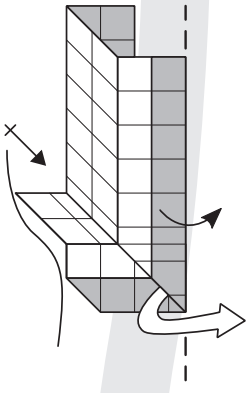
13 A. Składaj przez obie warstwy /
Fold both layers together.



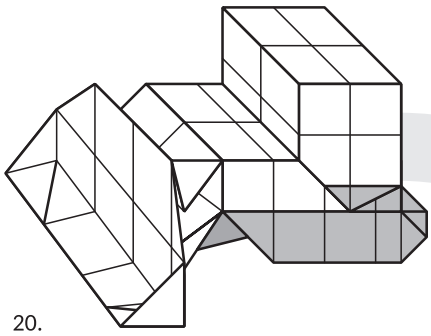
13 B.



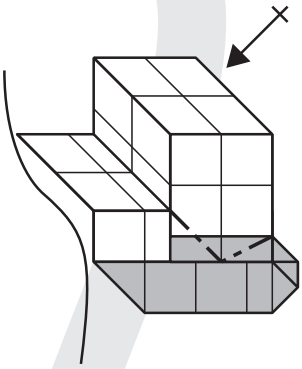
14 A. Włóż do kieszonki aby zablokować /
Insert into pocket to lock.



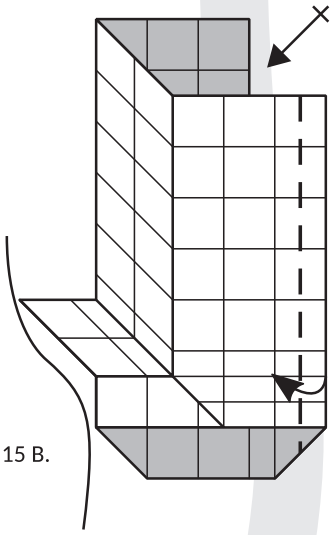
14 B. Wyciągnij warstwę i odegnij pasek /
Pull out the layer and fold the strip.



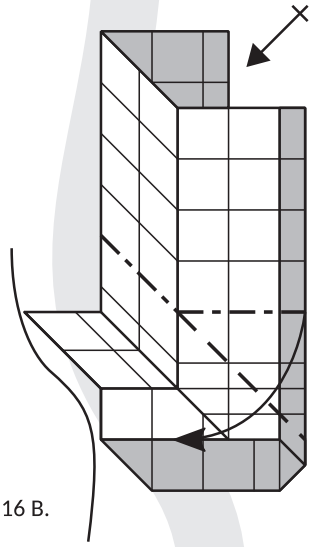
20.



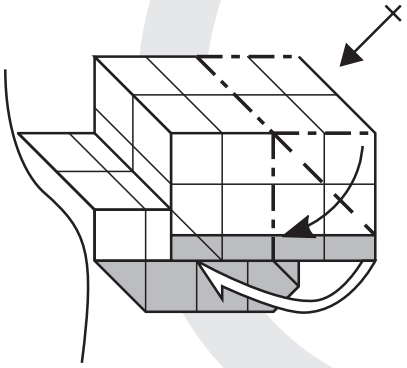
19 B. Prawą zakładkę zagnij za pierwszą warstwę i zablokuj, a następnie lewą zakładkę włóż po zagięciu do kieszeni pod nią / Fold the right flap by the first layer and lock it, then fold and insert the left flap into the pocket underneath.



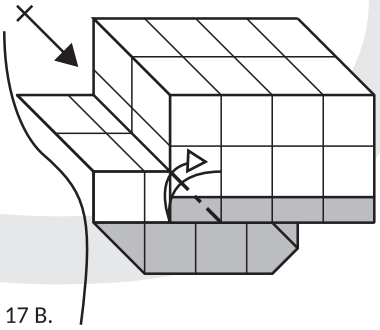
15 B.



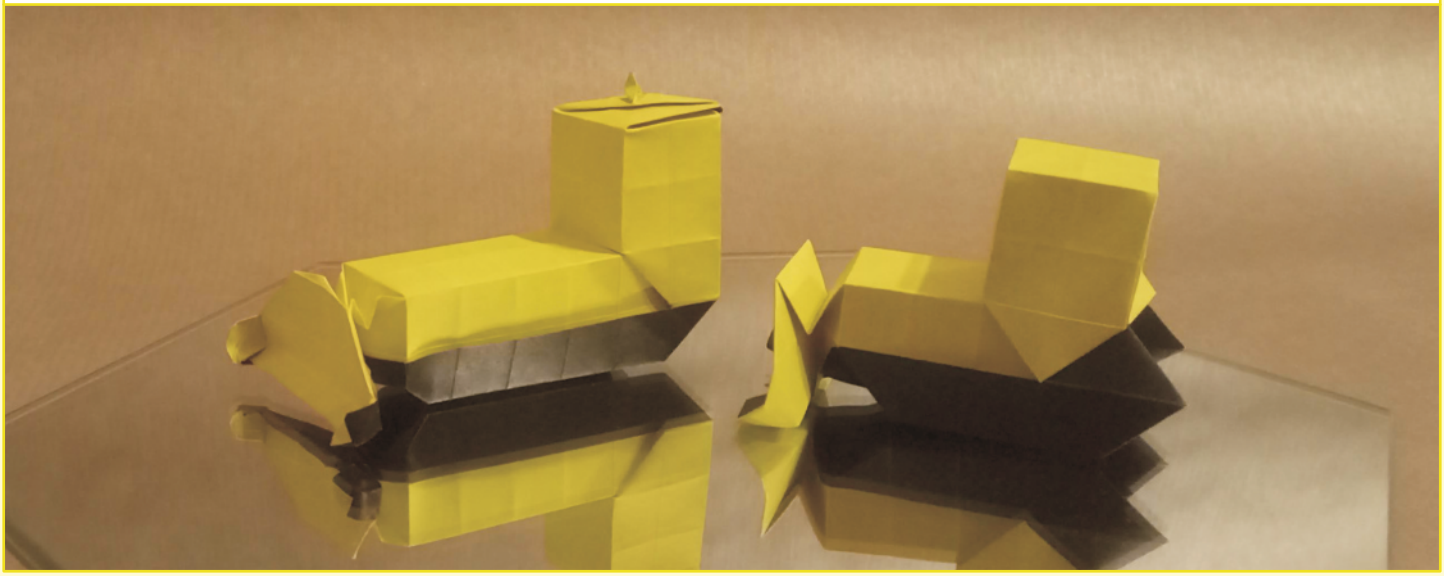
16 B.



18 B. Po wykonaniu zagięć wsuń zakładkę między warstwy / After folding insert a tab between the layers.



17 B.



GALLERY

BEATA KUPCZAK

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18 OOM Exhibition (2017)



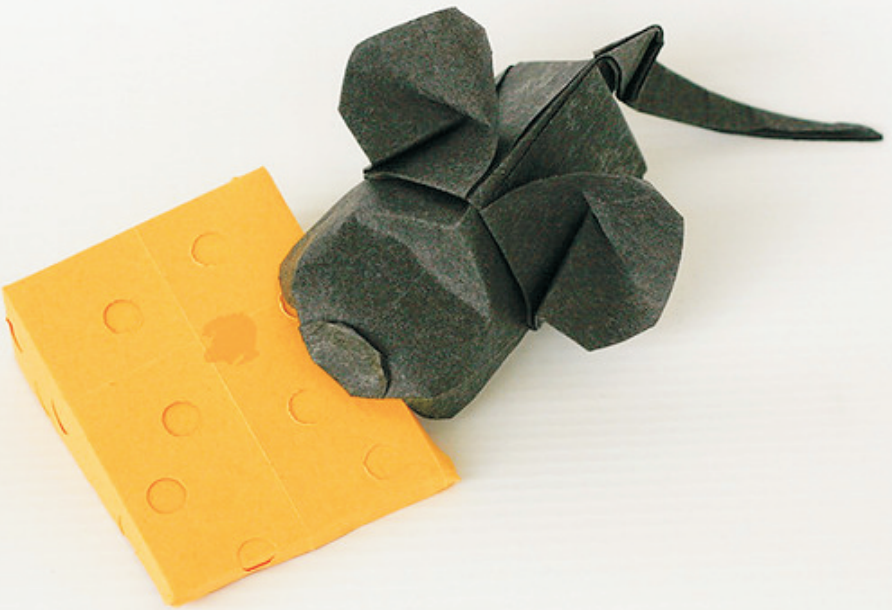












Ratmobile

Penguin



Dog



Dragonfly



BLANKA PENTELA

https://flickr.com/photos/blunek
https://www.instagram.com/studioblanka/

HALINA ROŚCISZEWSKA- NARLOCH

https://flickr.com/photos/haligami/ **http://haligami.cmza.pl**

Origami artist. Designs her own models - mosaics, tessellations, flowers, boxes and modular models. Derives her inspiration mainly from nature. Halina publishes articles and diagrams in magazines, newsletters and on websites. She authored origami books.

She is the Origami Instructor. Were vice-president of PTO (2010-2013). Member of the Galician Group of Origami for many years, jointly organizing origami conferences (Outdoor Origami Meeting), workshops and exhibitions. She took a part of many collective exhibitions like: "Bridges" (2013, 2014, 2016), "Folded Ideas" (2015), "Mujeres de papel" (2017), and many others during polish and foreign origami and mathematical conferences, also has her own origami exhibition in family town Gliwice "Symmetry versus chaos" (2017).

Graduated as a Master of Science in Engineering, field of study Mathematics (Silesian University of Technology), also finished postgraduate pedagogical studies as well as majored in Teaching Computer Science in Schools. Since 2002 she has been working in the Primary School No 1 in Gliwice, currently a diploma teacher (fourth level).



Box with Solar Flare Tessellation



Flower Tessellation with moulding



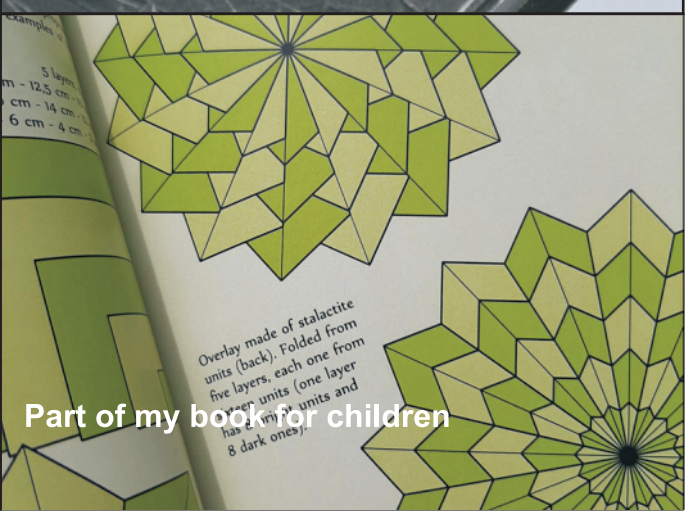
Exhibition during Conference in Prague



Box with Mars Tessellation



Series of my Tessellations books



Part of my book for children


Tessellation
Mosaic with flowers
Kusudama
IRENA
JANAS
Earrings with flower
Candlesticks
https://www.flickr.com/photos/125617259@N07



Wonderful, 2017



Rzeczpospolita czerwona ze wstydu
The Republic Ashamed, 2015



Plane tree, 2020



#VaiFicarTudoBem, 2020

KRYSTYNA BURCZYK

www.origami.edu.pl

With a graduation in mathematics and more than 20 years of experience as a math teacher, her interests are centered on geometric art, origami and educational applications.

She is the author of books and brochures on origami, lecturer in conferences on theoretical and educational aspects of origami and guest artist.

She has taken part in several art exhibitions including 'Masters of Origami' (2005), and 'Folding Paper: The Infinite Possibilities of Origami' (2012-16) and 'Mujeres de Papel' (2016-17). In 2018 she had an exhibition 'Papel, Dobragens e … Matemática' at the University of Lisbon, and in 2019 an exhibition 'Entre o Papel e a Matemática' at the University of Aveiro.

Her works were also exhibited at origami congresses in Europe, US and Asia and several times at art exhibitions of Bridges Mathematical Connections in Art, Music and Science including Stockholm (2018) where two artworks were presented in the nominee gallery. In 2015-18 realized an art project MAP (Math Art Paper) ® the series of 16 exhibitions of her artworks at the Mathematics Department of the Jagiellonian University in Krakow.

Images of her art have been used in book covers and magazines She organized and led for ten years the working group 'Origami and Mathematics'; at the Association of Mathematics Teachers in Poland.



Treasure, 2019



Dragon Egg, Portugal, 2017


Iron Man Helmet
18 OOM Exhibition (2018)
Baby Yoda
Haddock on Toothless
KRZYSZTOF BASISTA
https://www.instagram.com/krees_baseesta/
Wolverine Claws
Poe's X-wing

MAŁGORZATA ŁODO

https://gosigami.blogspot.com



16 OOM Exhibition (2015)



16 OOM Exhibition (2015)



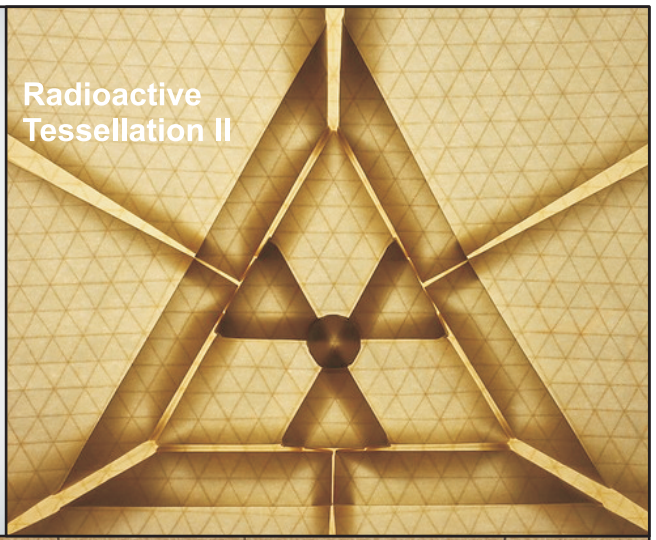
17 OOM Exhibition (2016)



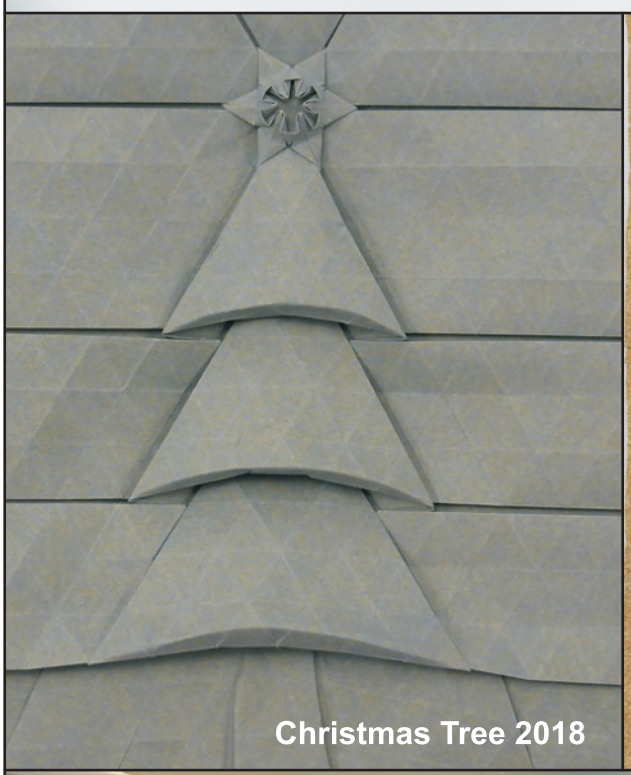
16 OOM Exhibition (2015)



Crown of Thorns



Radioactive
Tessellation II



Christmas Tree 2018



Growth 1.1

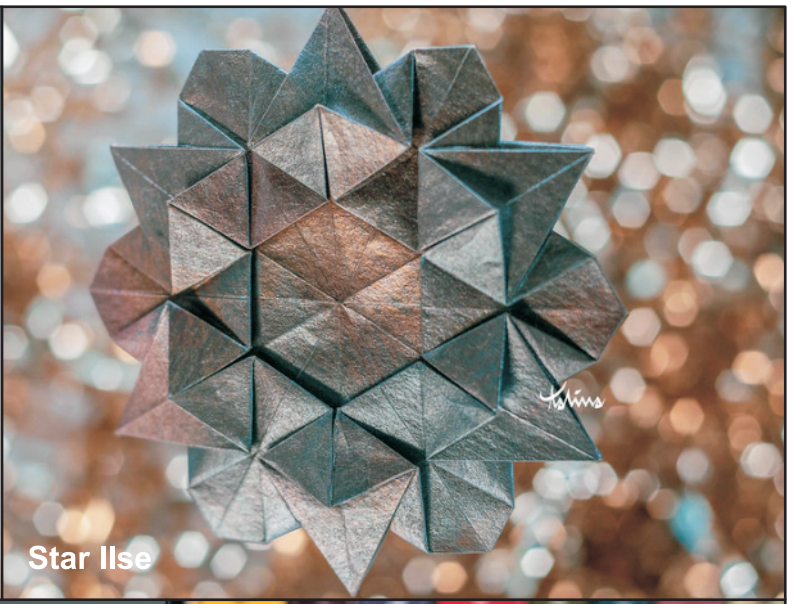


Origami exhibition at Olsztyn Planetarium

MICHAŁ KOSMULSKI

https://flickr.com/photos/kosmulski_origami


Star Robin


Star Ilse


Star August


Star June

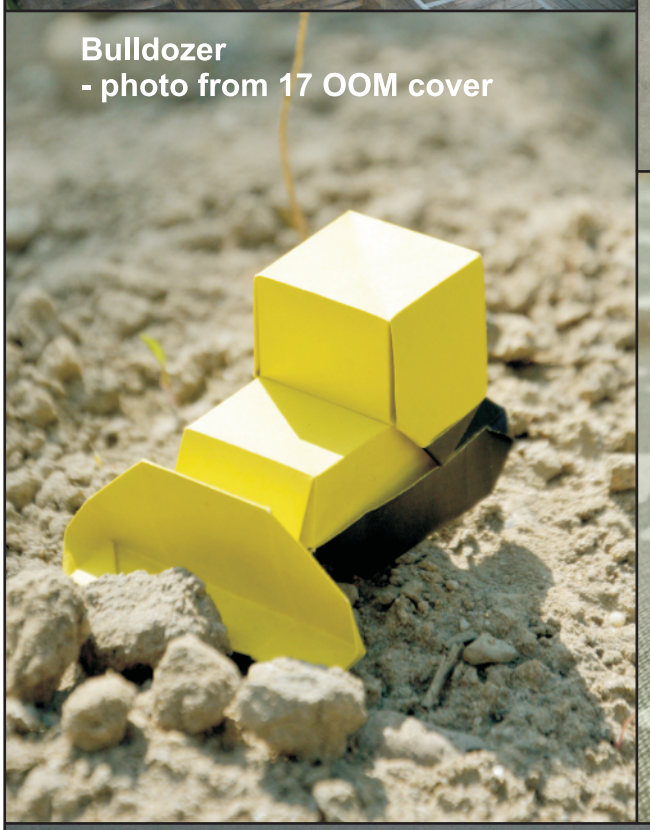

18 OOM Exhibition (2017)

NATALIA GUZOWSKA

https://flickr.com/photos/talina_78



17 OOM Exhibition (2016)



Bulldozer
- photo from 17 OOM cover



CfC Dragon



Sleight

CfC Conference - part of exhibition - EP-09 locomotive

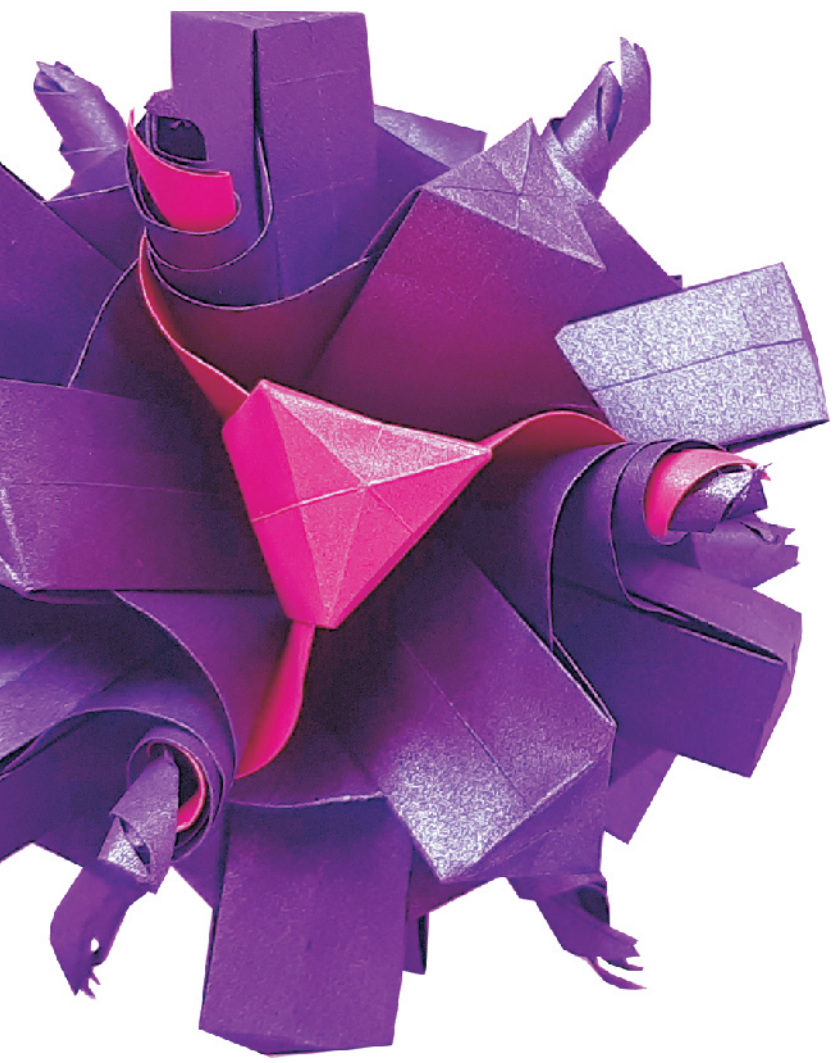


TOMASZ CZUNKO

https://flickr.com/photos/149978360@N05

NOTES





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