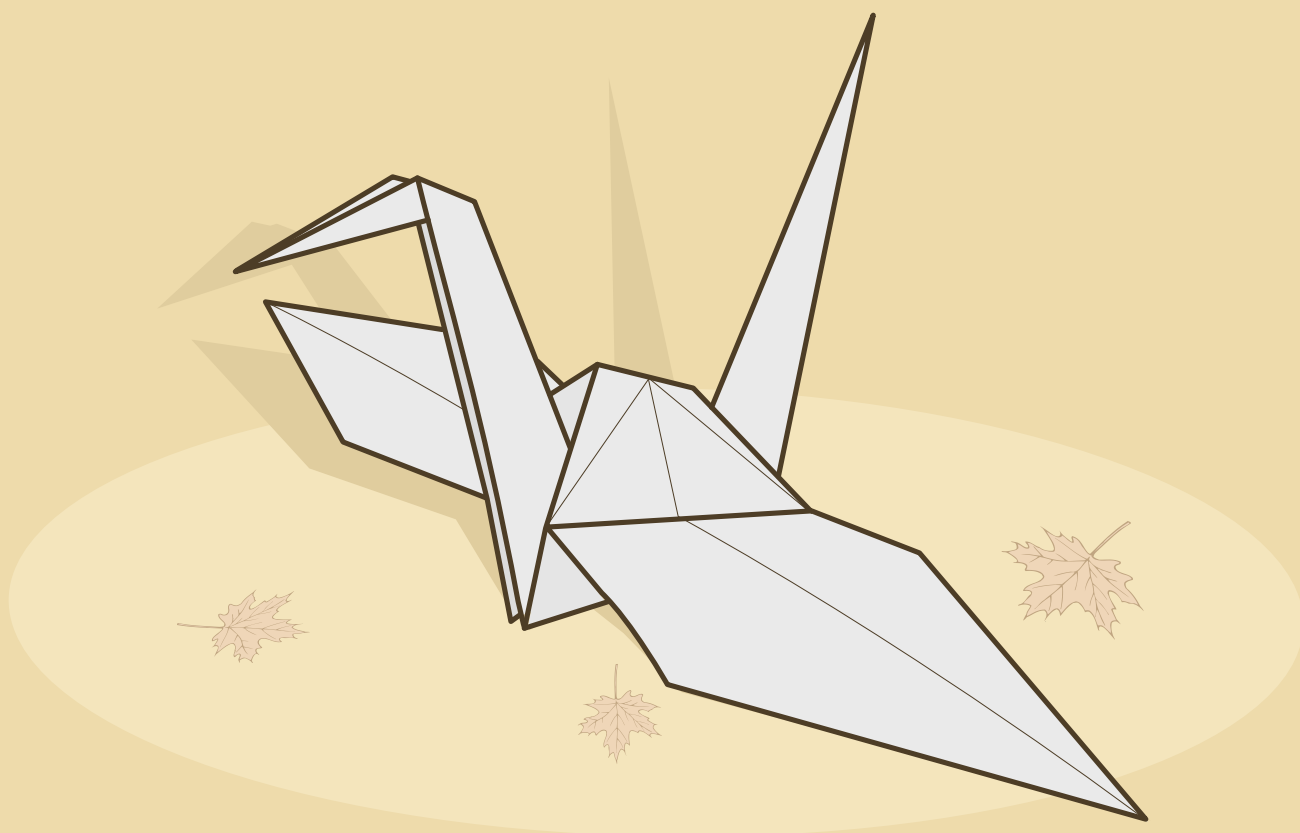


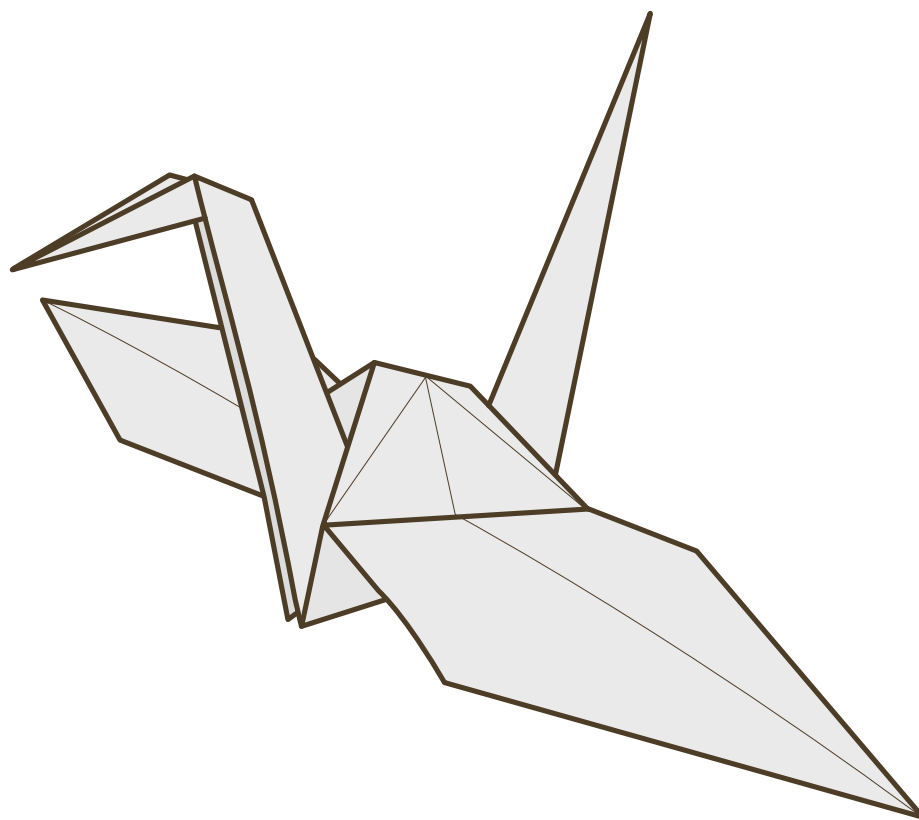


II International Origami Internet Olympiad



Russia 2012

To the memory of Eugeny Fridrikh



II International Origami Internet Olympiad

Judges:

1. Andrey Ermakov
2. Pavel Maslov
3. Dzmitry Lysiuk
4. Andrey Lukyanov

Olympiad is conducted in the internet, on the origami-forums:
oriart.ru; forum.loveorigami.info; ... ; etc.

For more information, please contact e-mail, specified in the rules.

Edited by Andrey Ermakov

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1. Any type of paper can be used.
2. Allowed to paint and glue flaps, if it would not prevent identification of all element of the model, as well as pre-creased lines that define the assembly process. This paragraph does not extend on the author's "own work".
3. In the competition should be used only photos which were never published before.
4. Each model should be photographed (at least!) from three angles, to clearly display all details. Photos with low quality will not be considered, but total size of the result message should not exceed 10 Mb.
5. Main images should be minimum redacted by any programs.
6. Before the end of Olympiad participants should not upload photos of works in the Internet.
7. E-mail for results:

origami2012olympiad@gmail.com

"Heart with iris"

Task №1

Designed by Andrey Lukyanov

Difficulty: **

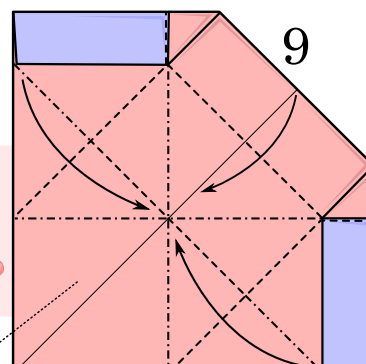
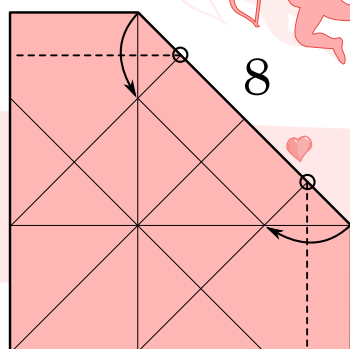
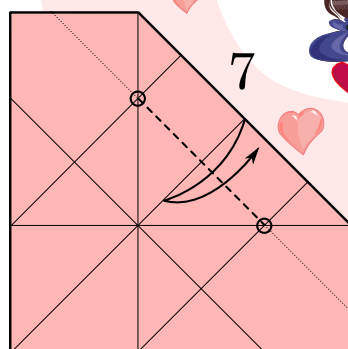
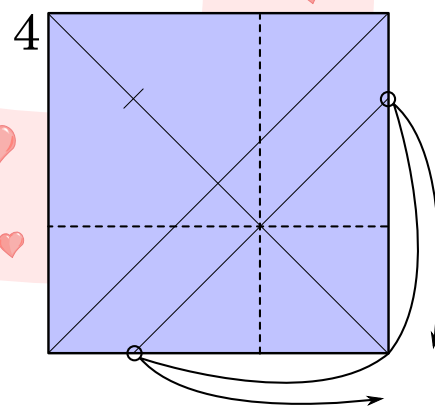
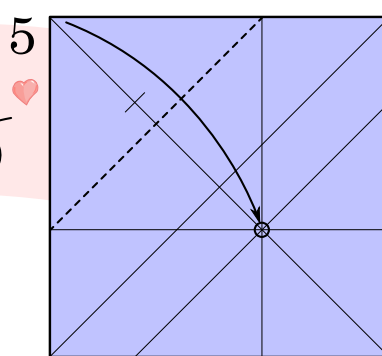
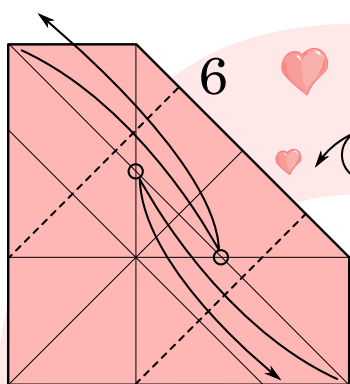
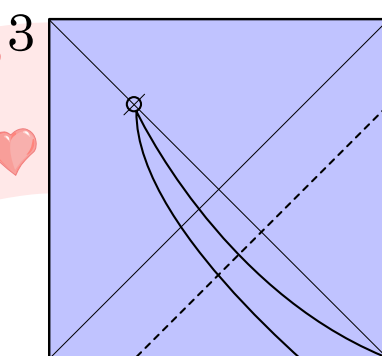
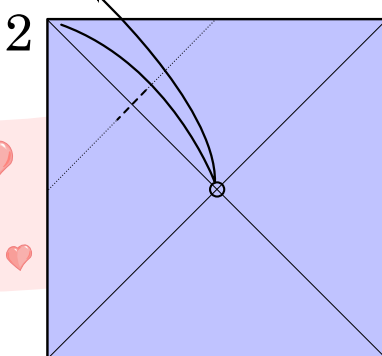
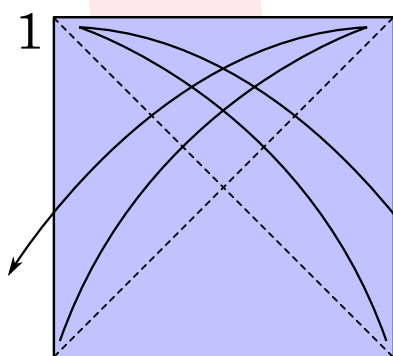
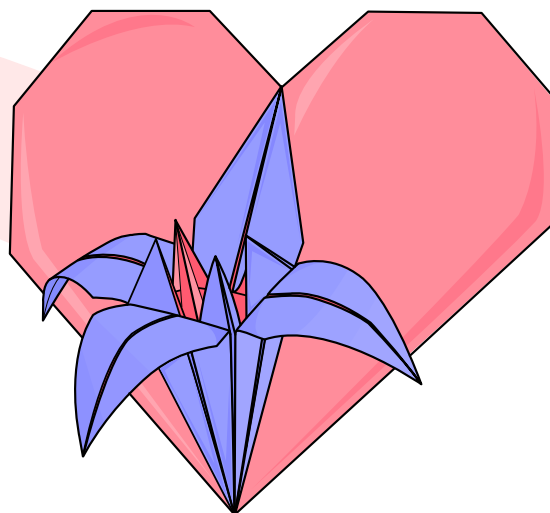
Paper: 30 g/m² (two-colored)

For recommended size: 24 cm - 24 cm

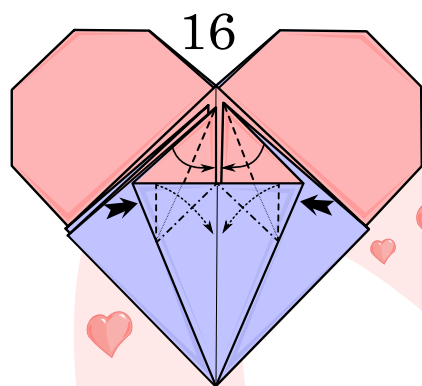
Length of the model: 8 cm

Build time: 20 min

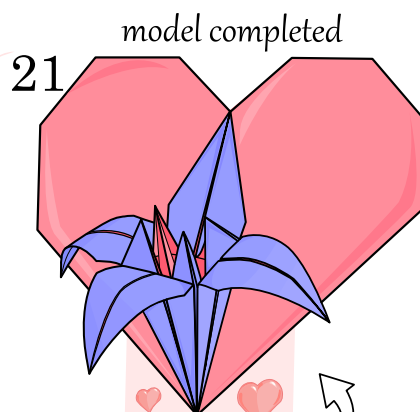
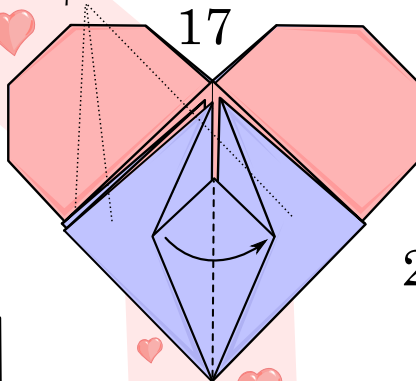
Maximum score: 3 points



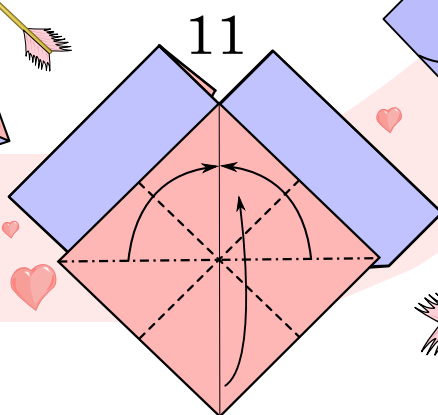
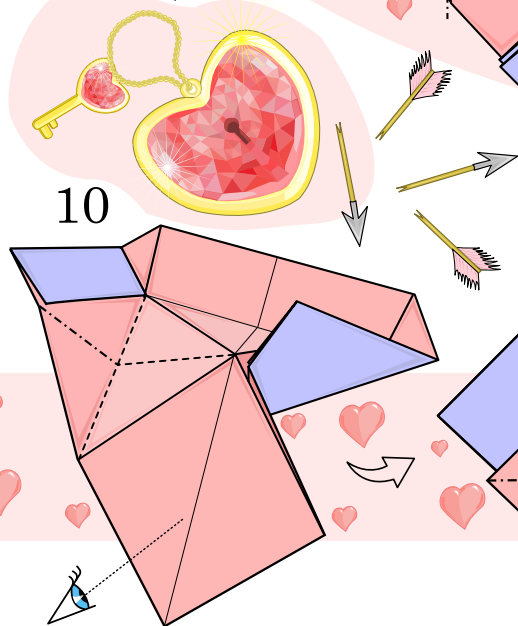
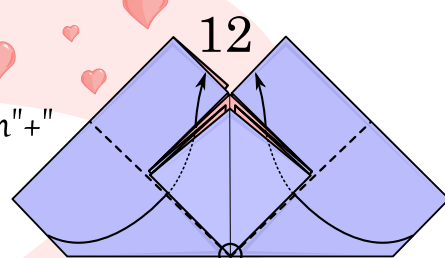
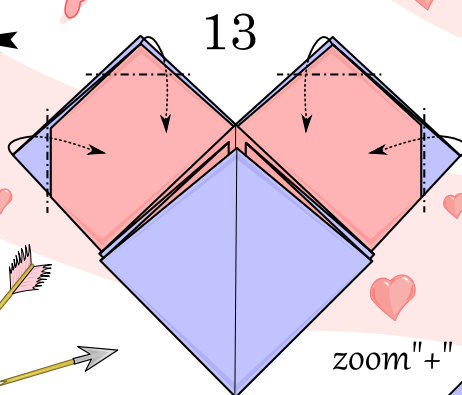
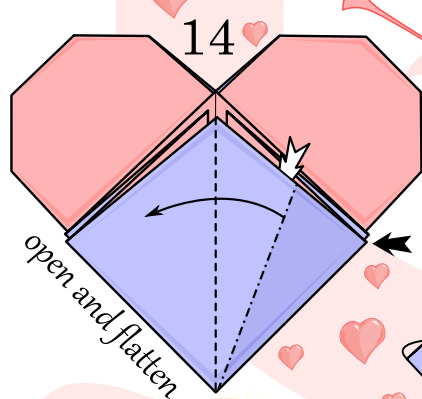
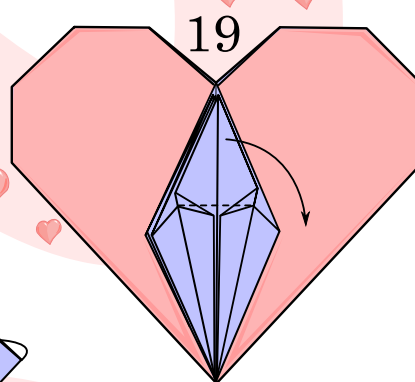
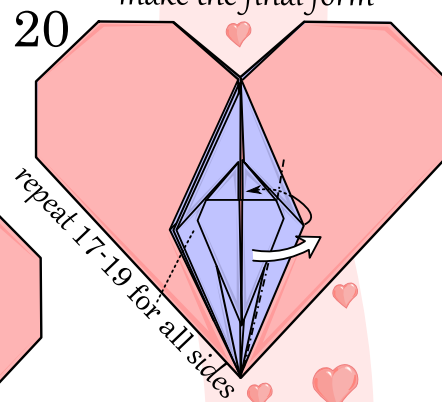
fold using the crease lines



repeat 14-16 with other corners



make the final form



Task №2

"Wolf"

Designed by Sergey Yartsev

Difficulty: ****

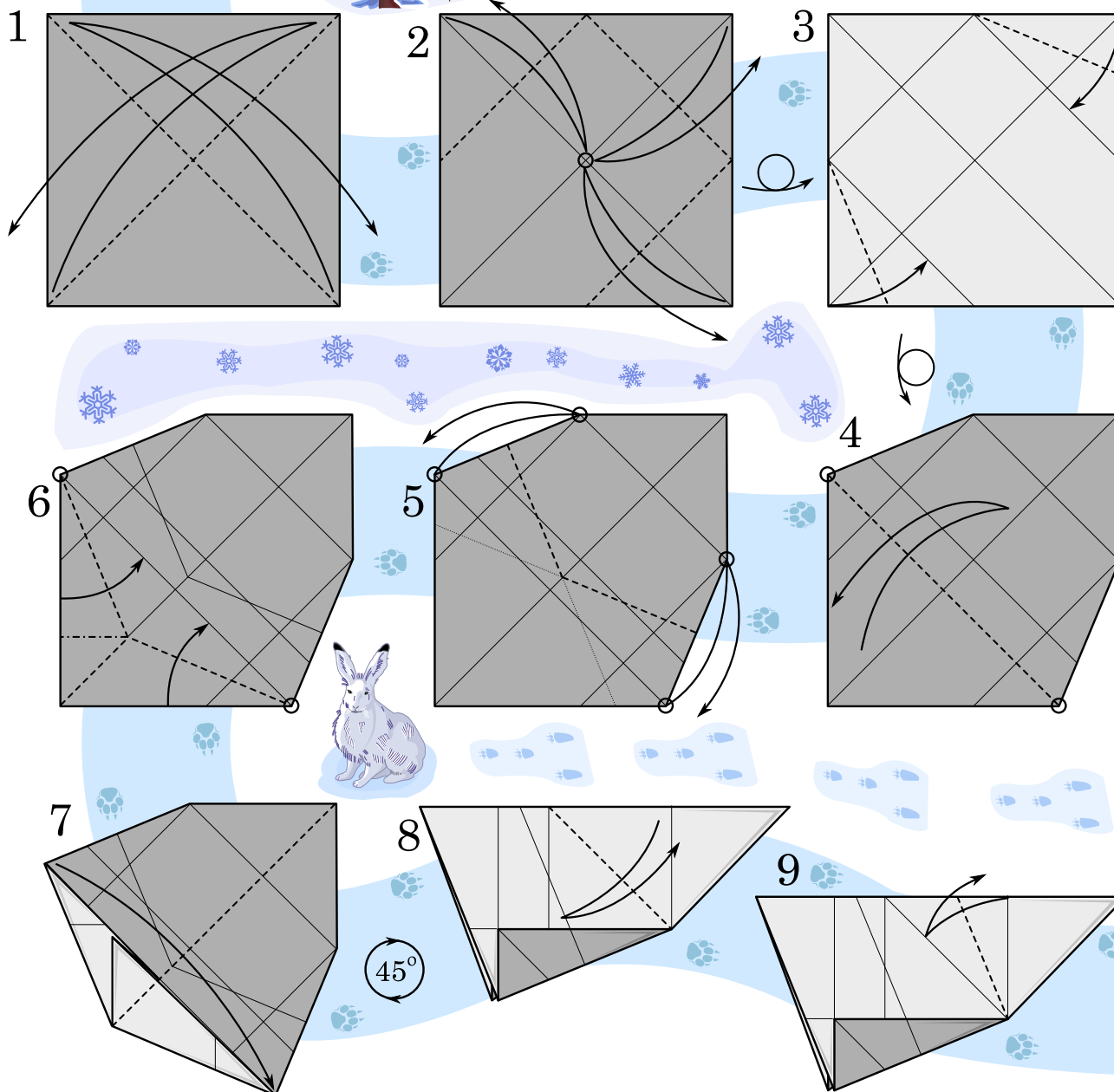
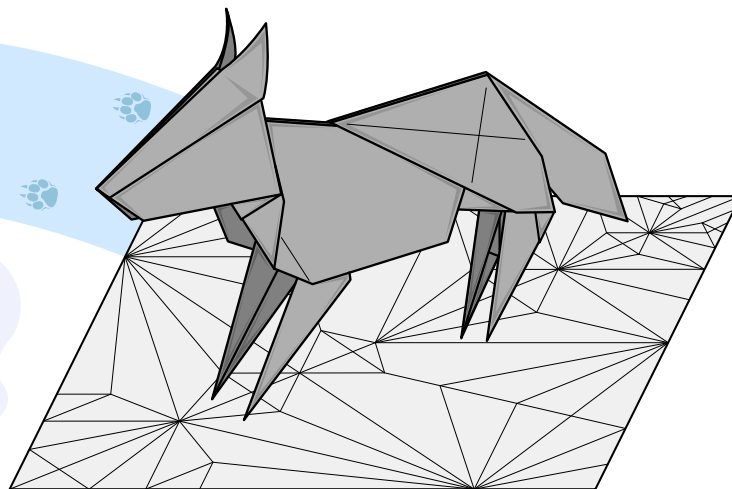
Paper: 40 g/m² (one-colored)

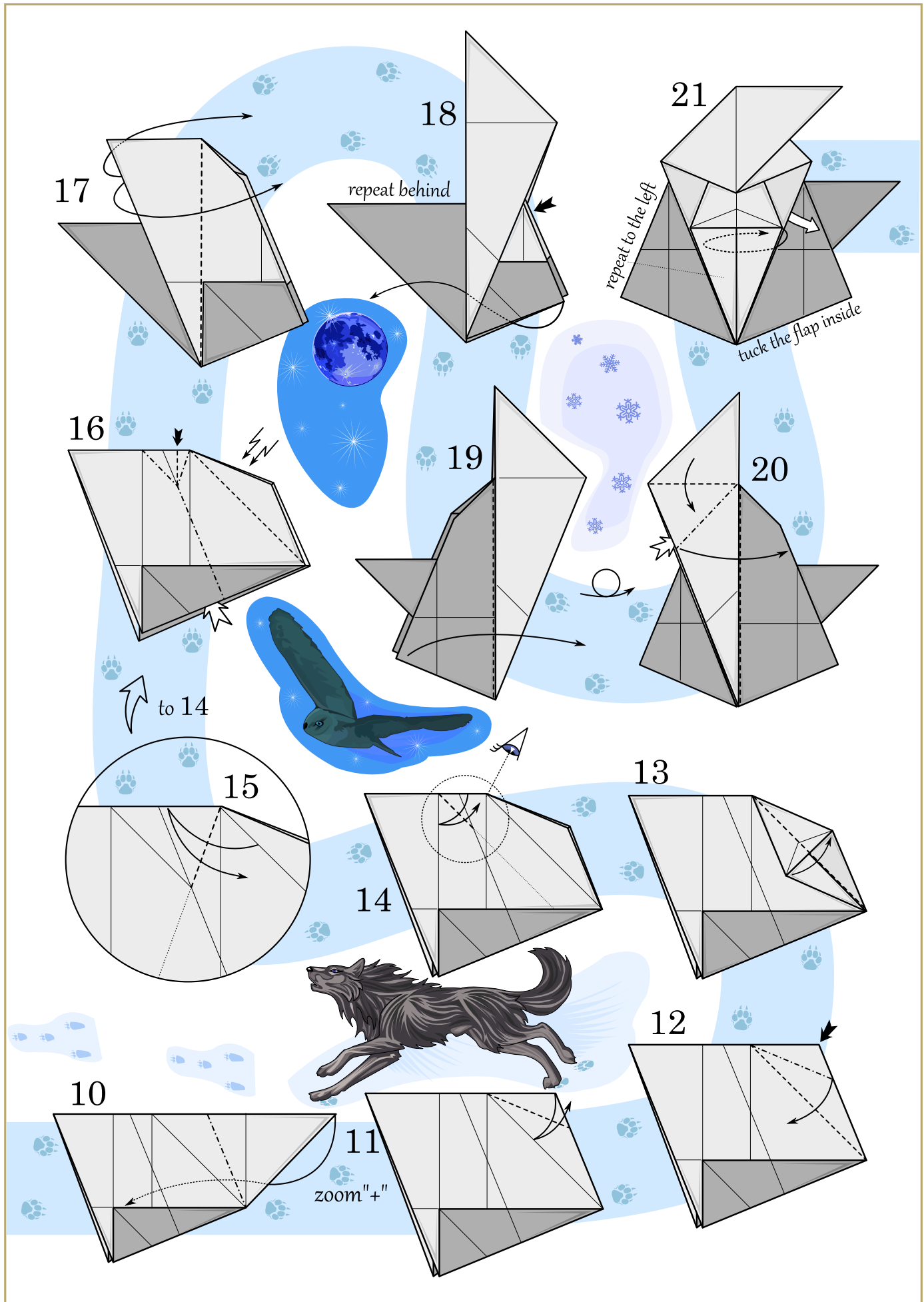
For size: 30 cm - 30 cm

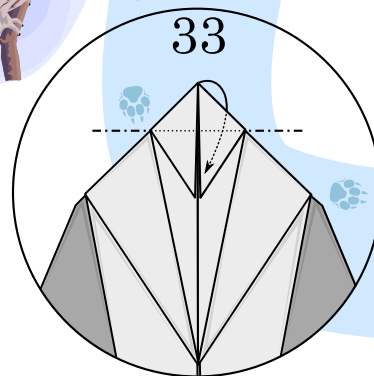
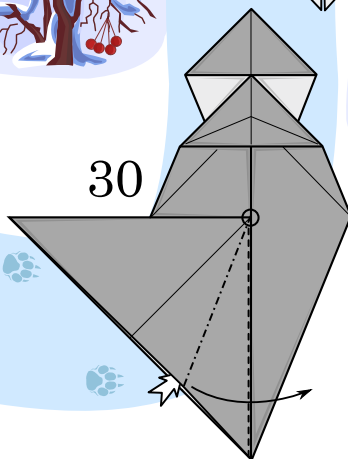
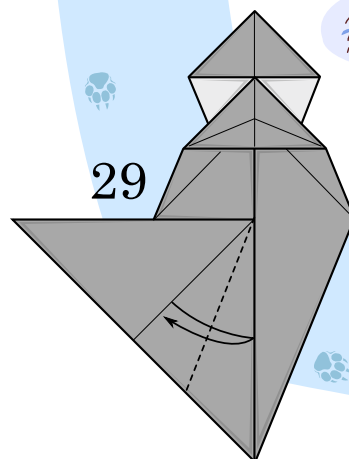
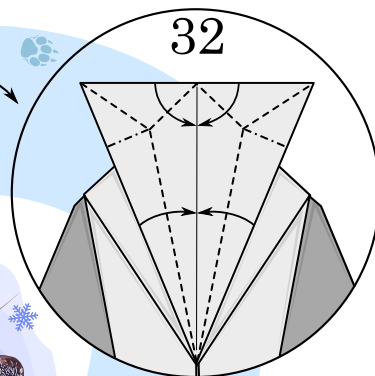
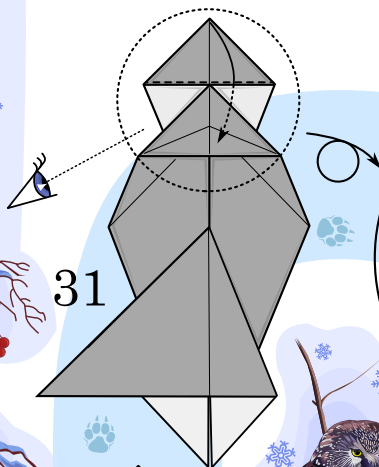
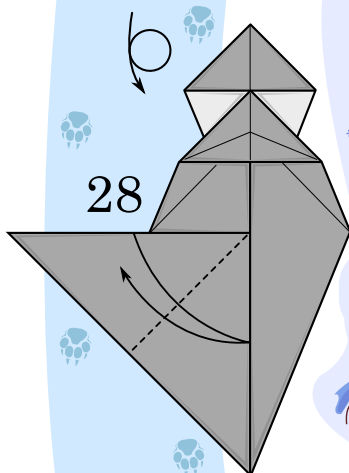
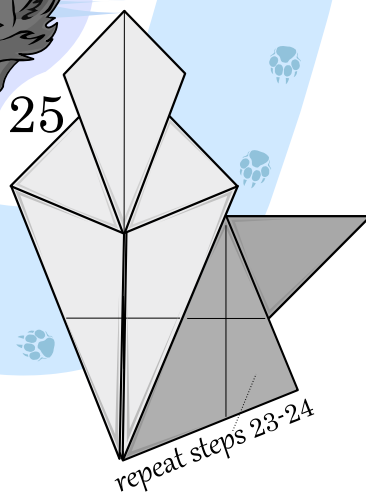
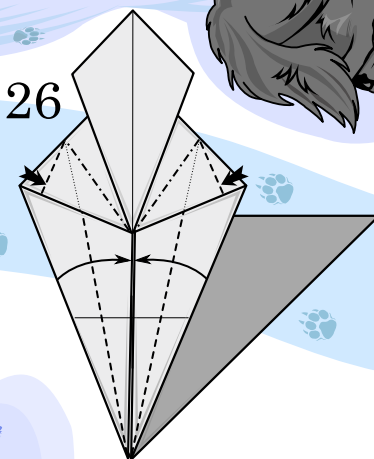
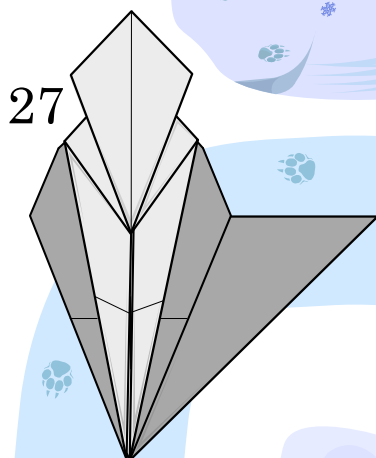
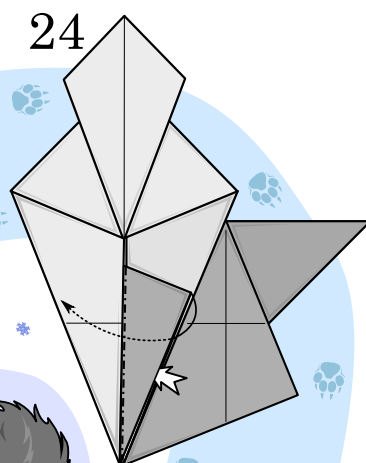
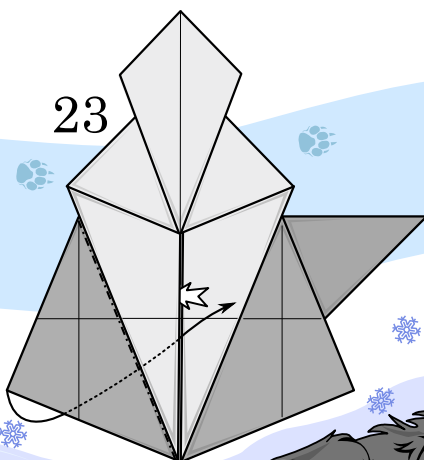
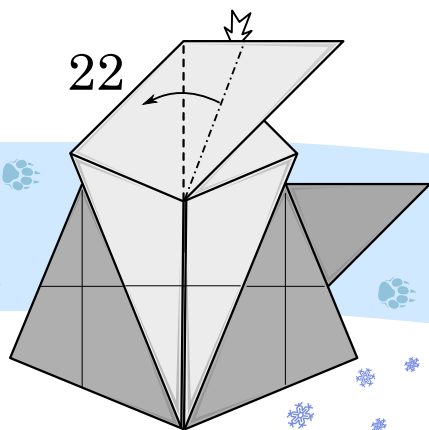
Length: 15 cm

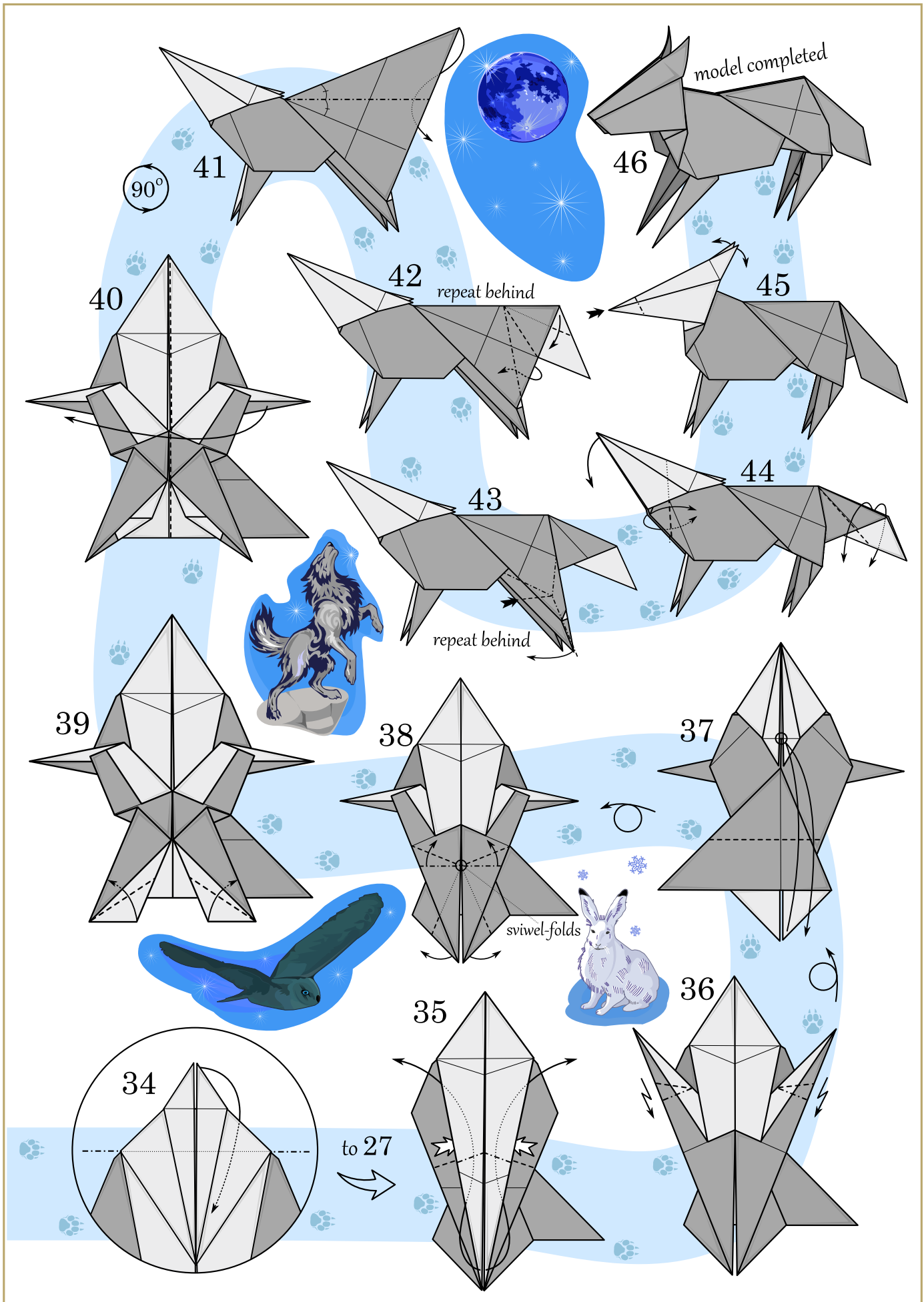
Build time: 30 min.

Max score : 4 points









Task №3

"Submarine"

Designed by Sergio L. Guarachi V.

Difficulty: ****

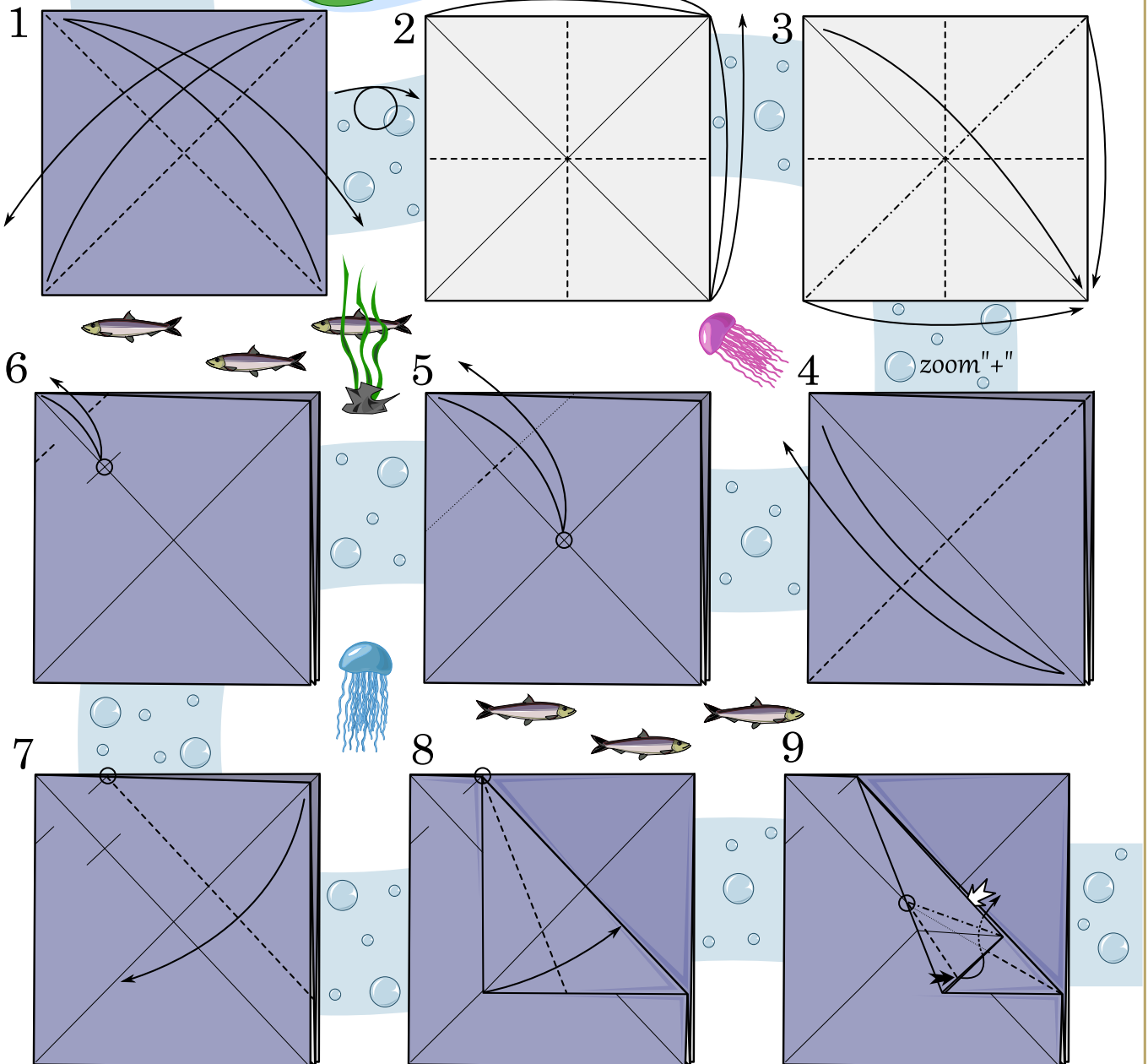
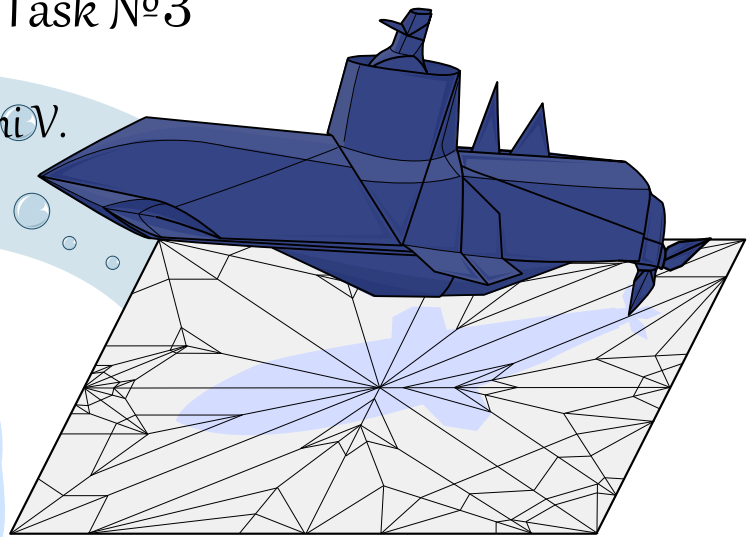
Paper: - 30 g/m²

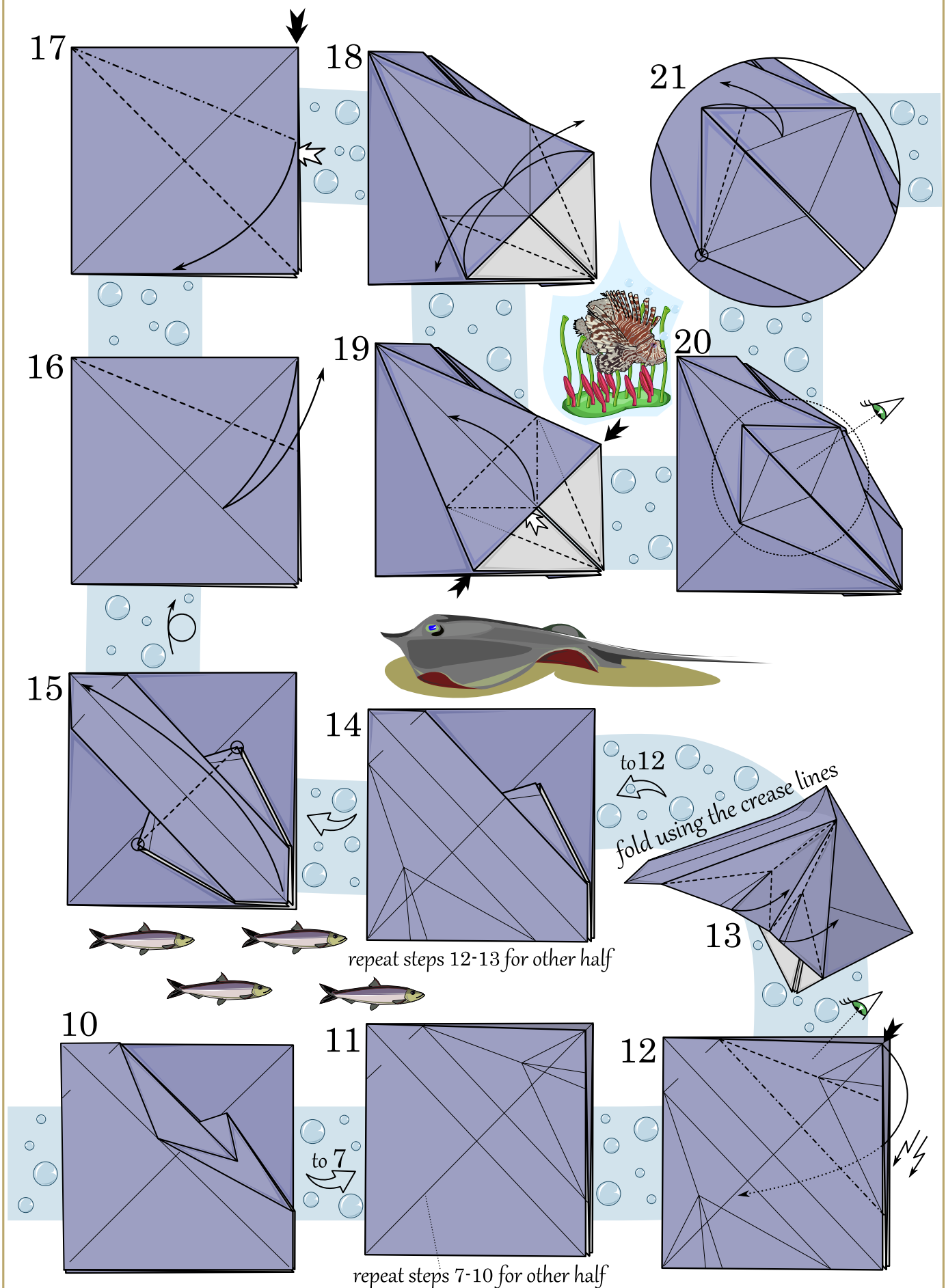
For recommended size: 30 cm - 30 cm

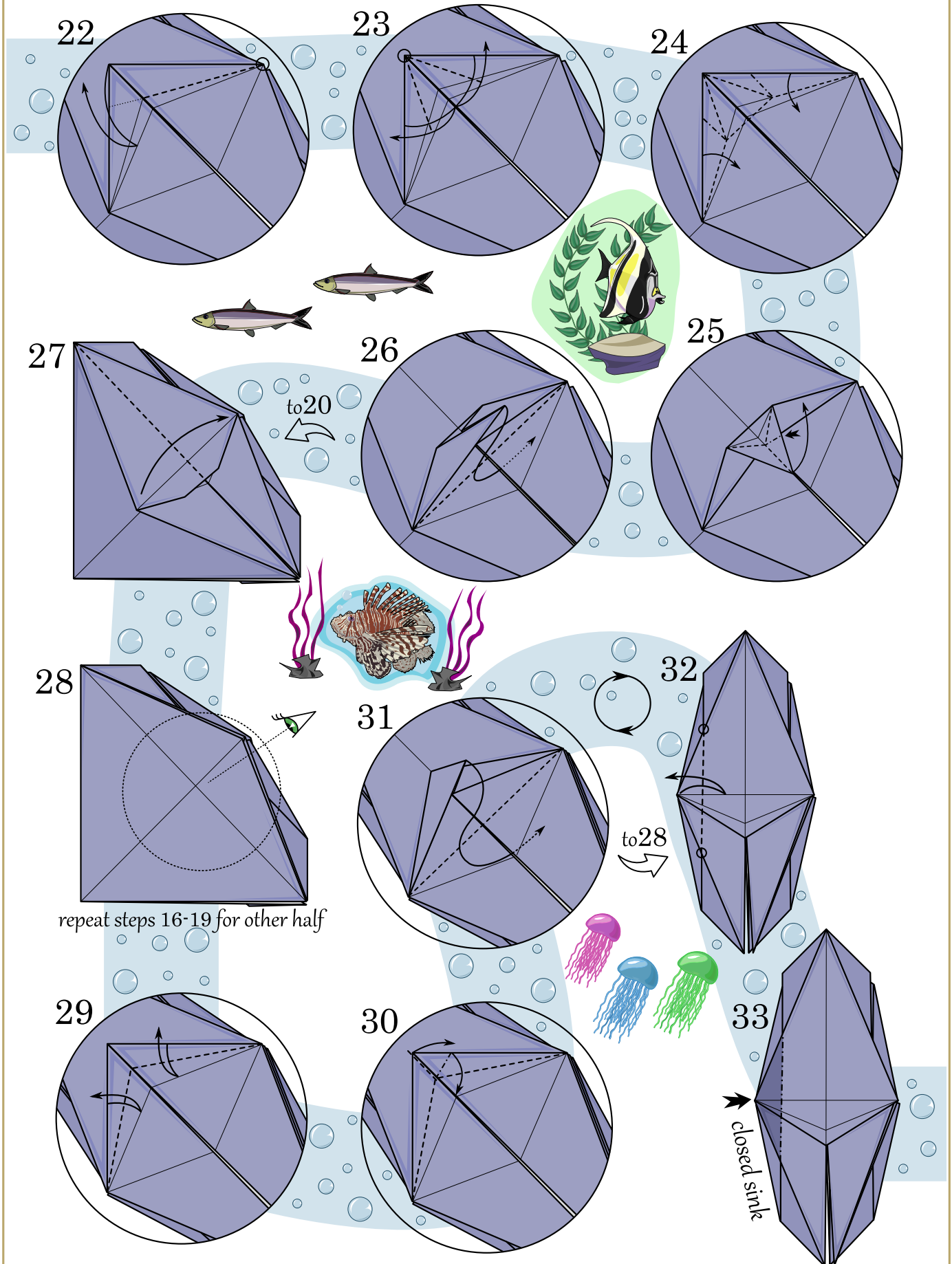
Length of the model: 17 cm

Build time: 45 min.

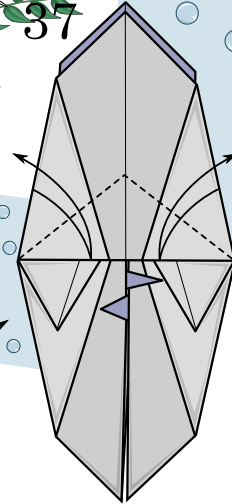
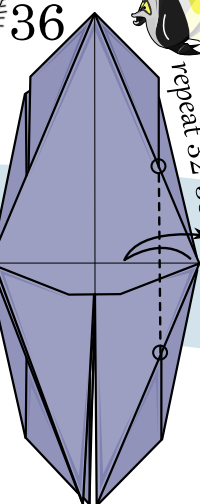
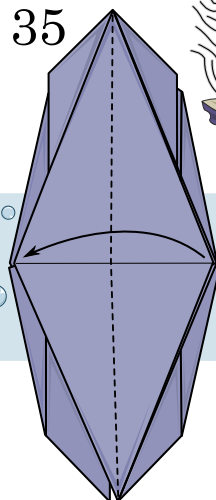
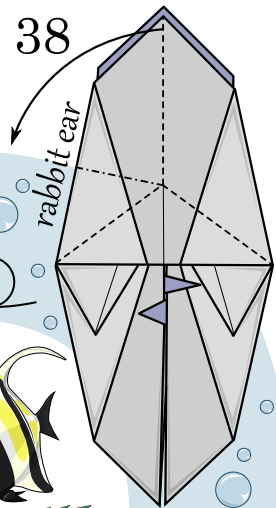
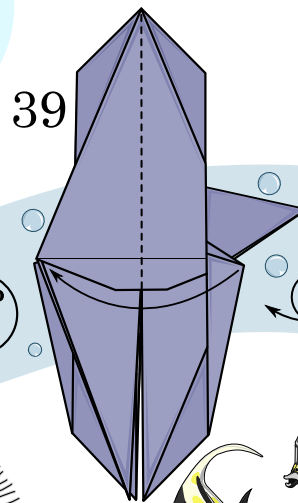
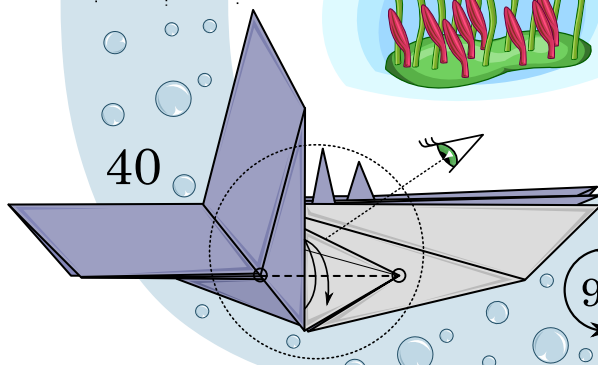
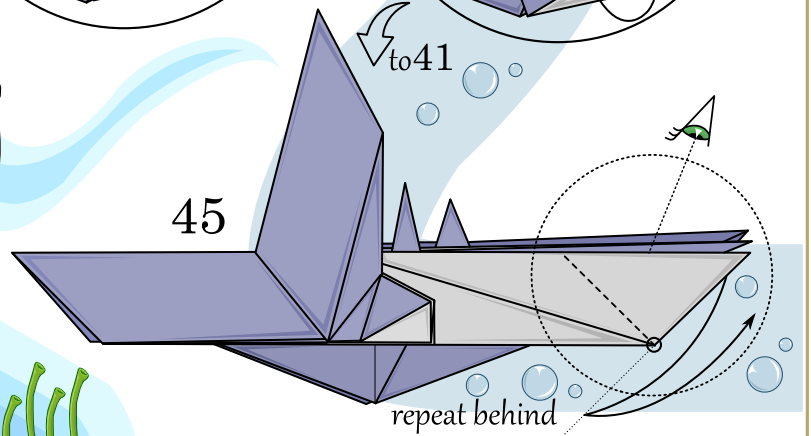
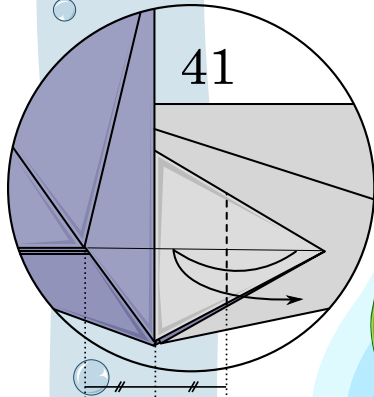
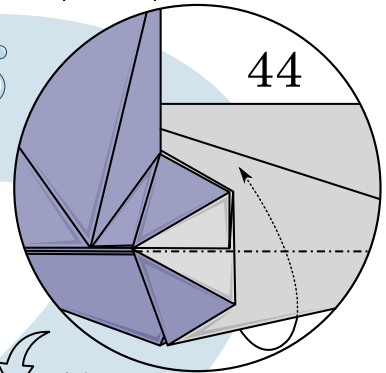
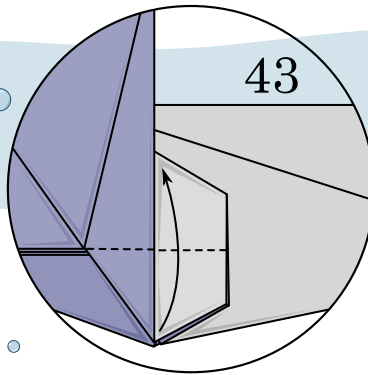
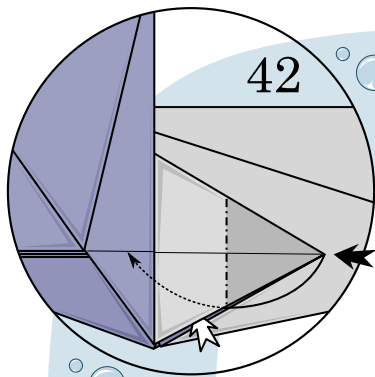
Max score: 5 points

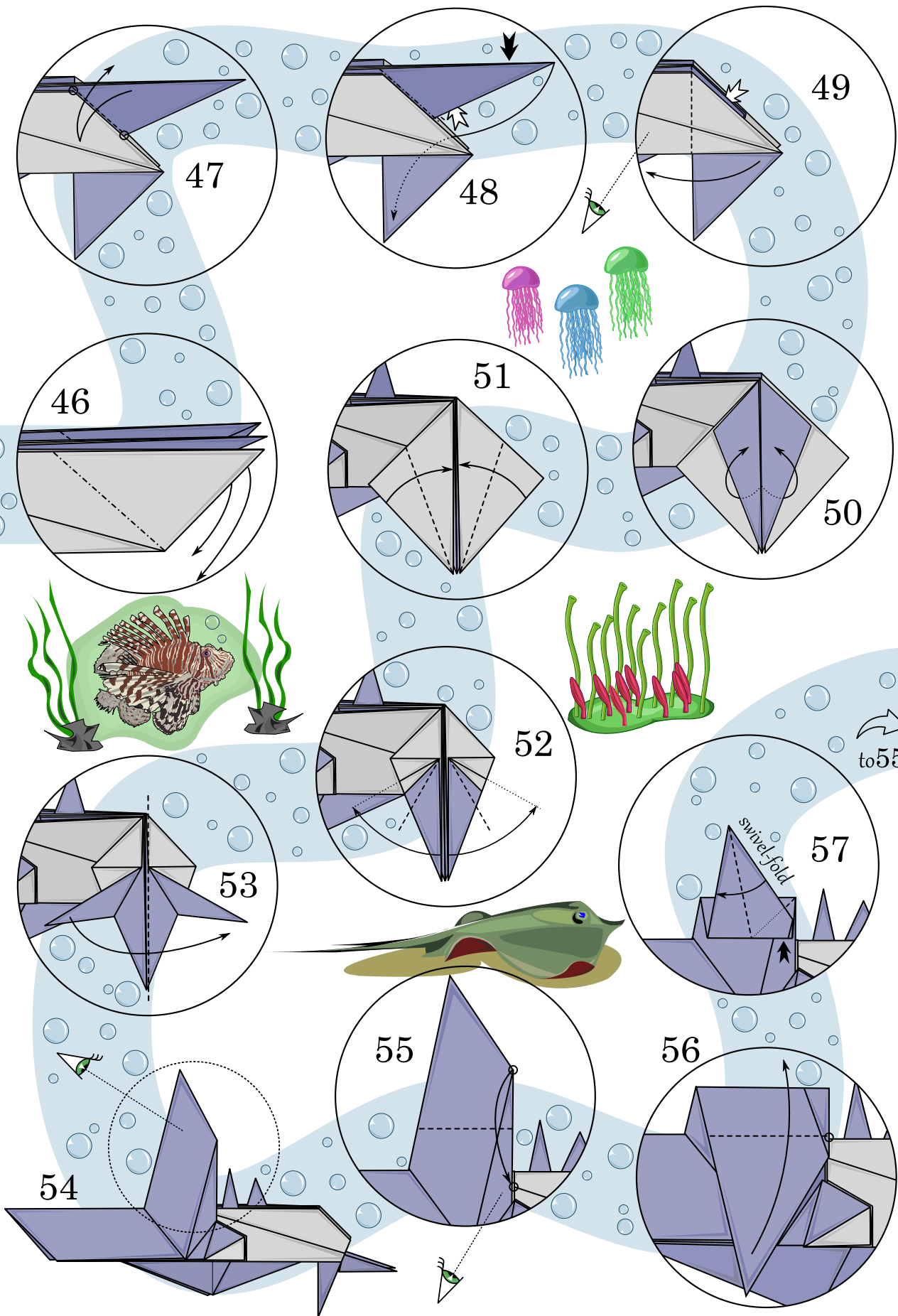


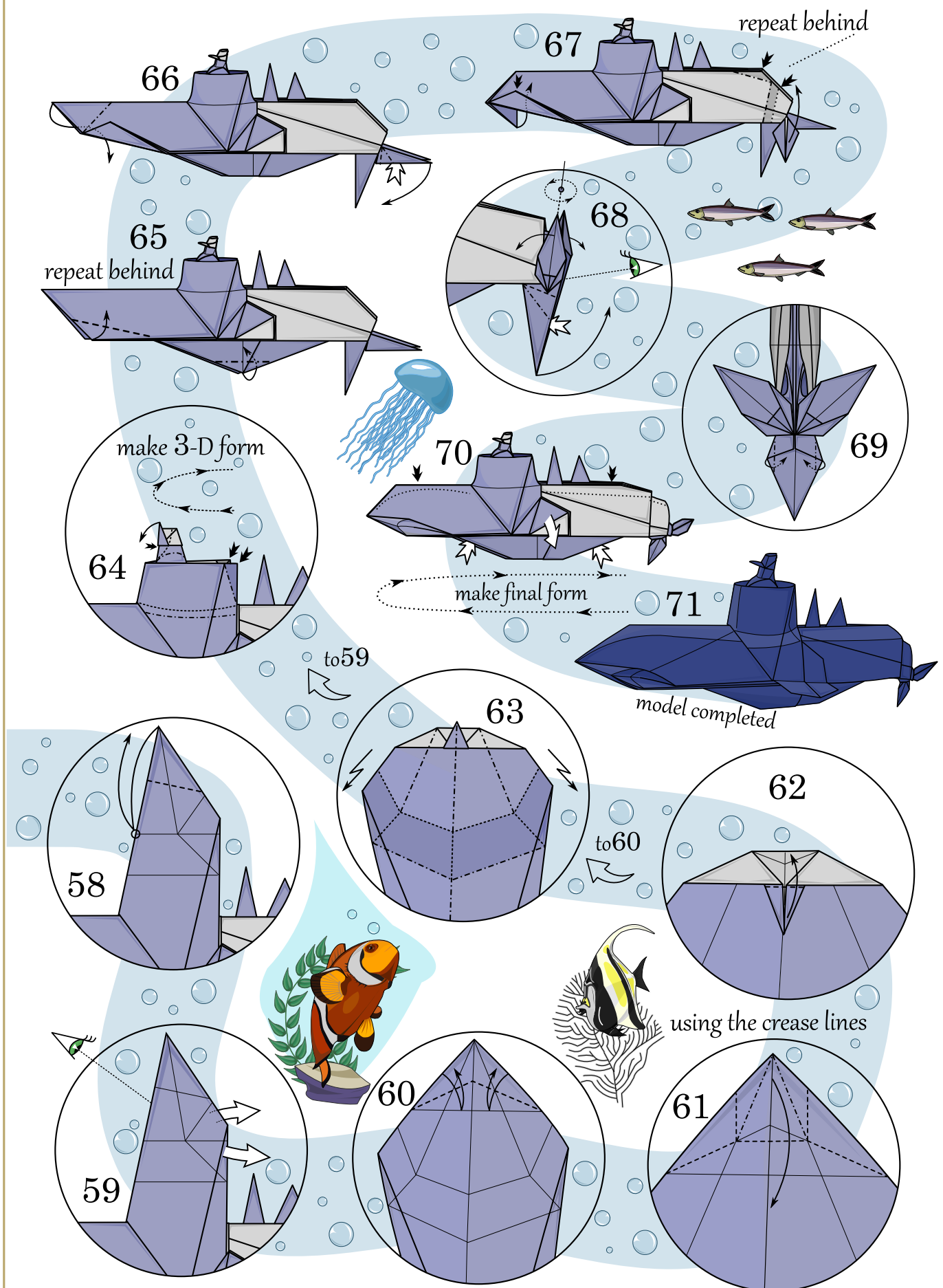




repeat steps 40-44 behind







Task №4

"Kitten"

Designed by Fernando Gilgado

Difficulty: *****

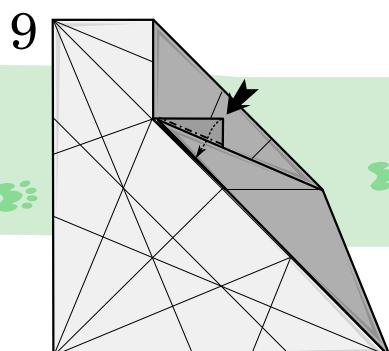
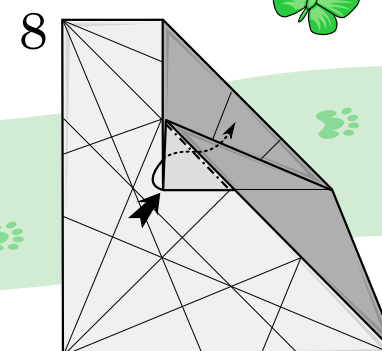
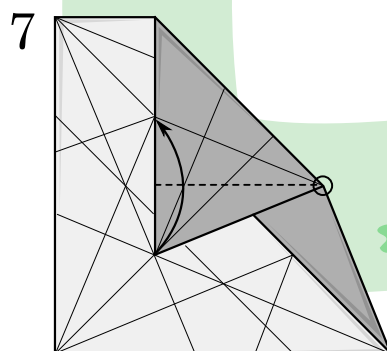
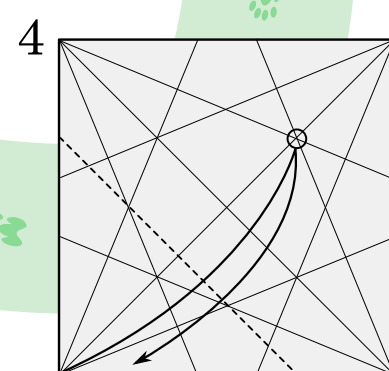
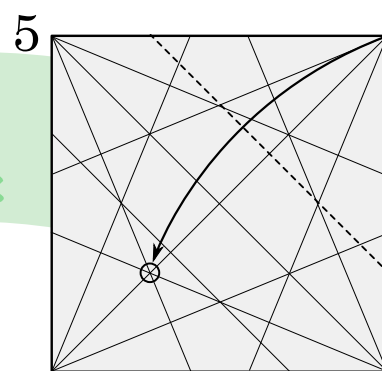
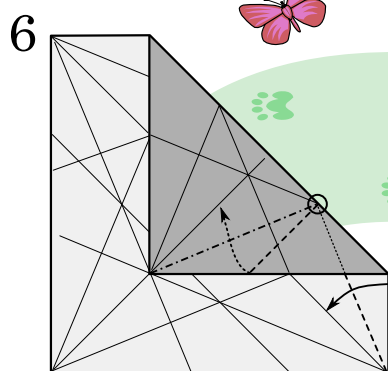
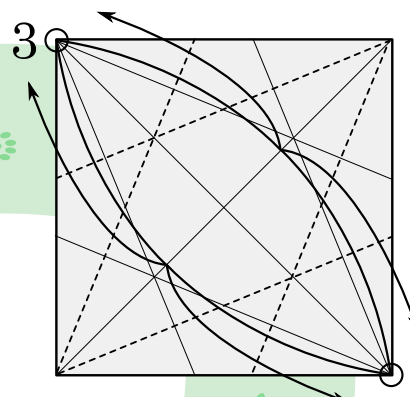
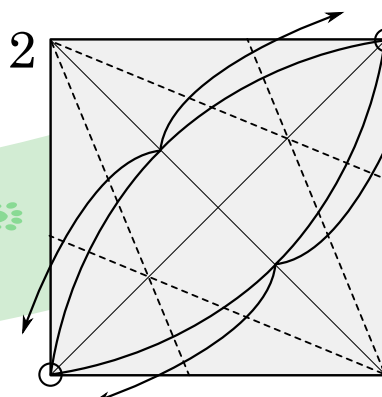
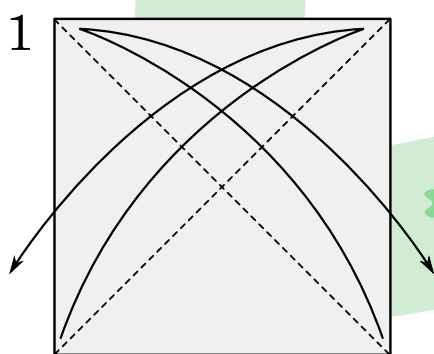
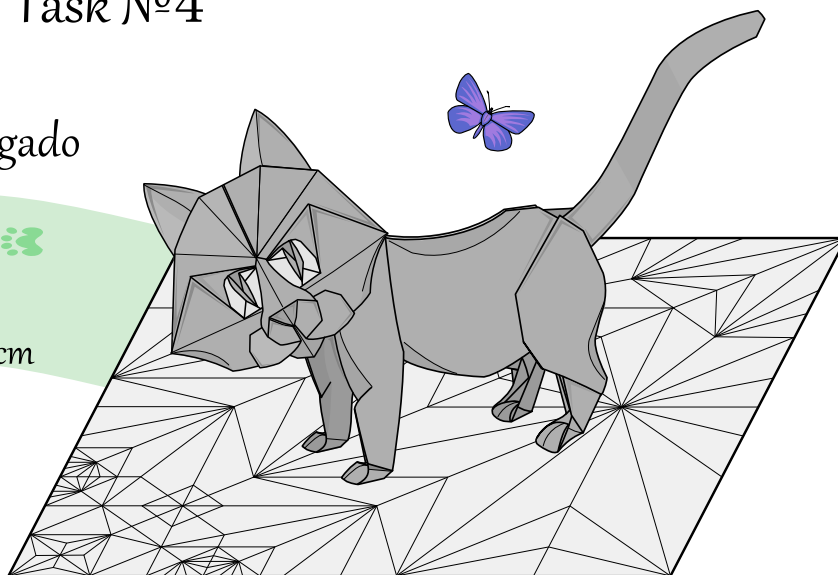
Paper: 30 g/m² (two-colored)

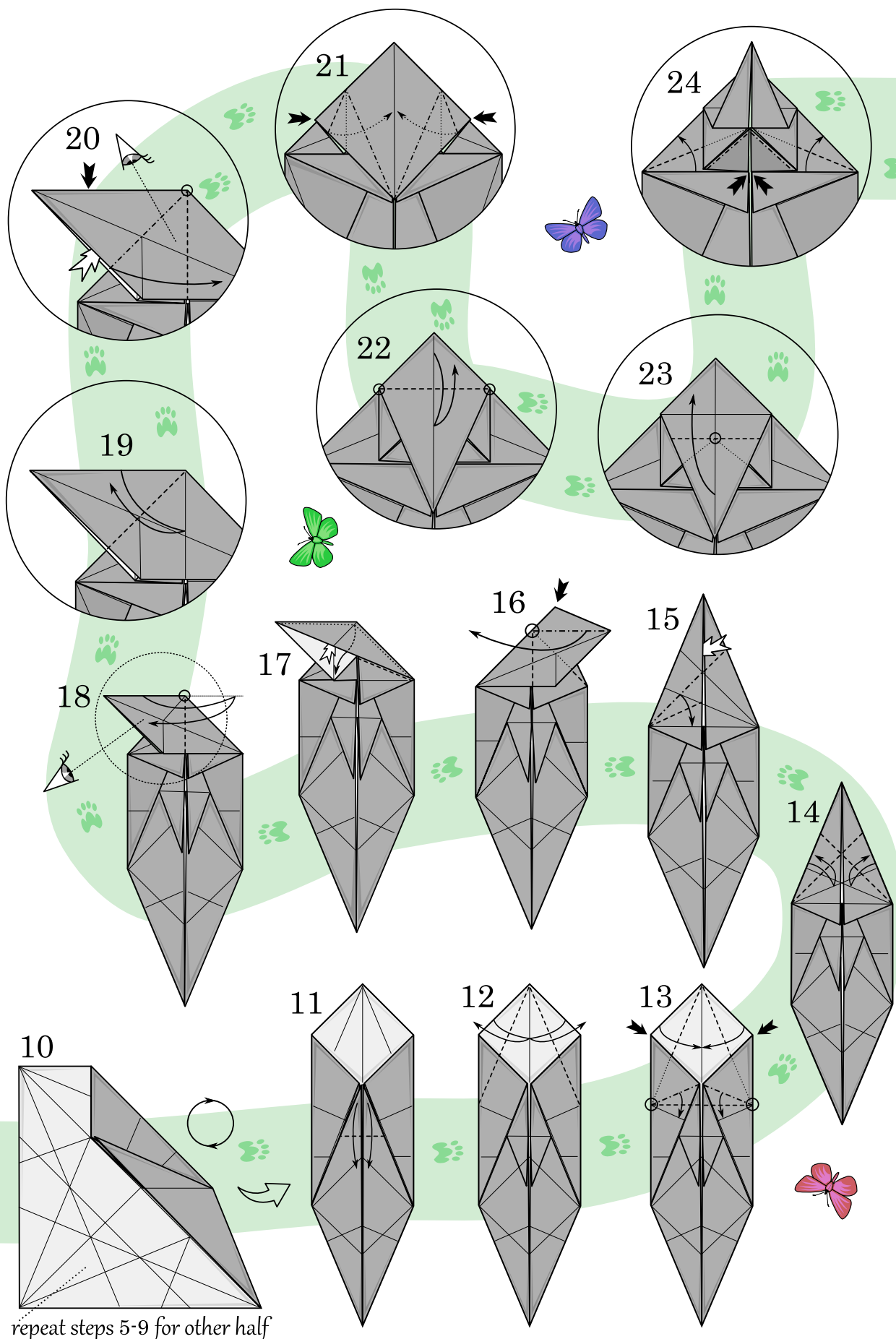
For recommended size: 35 cm - 35 cm

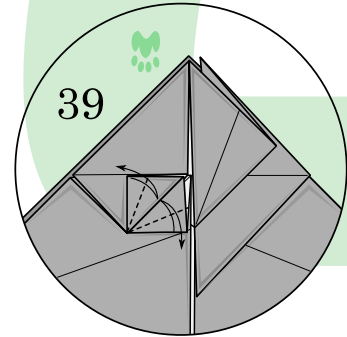
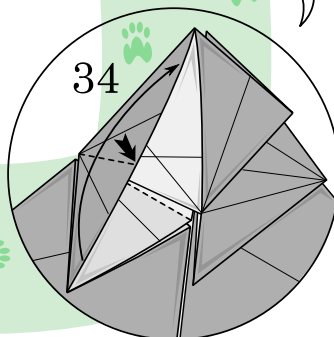
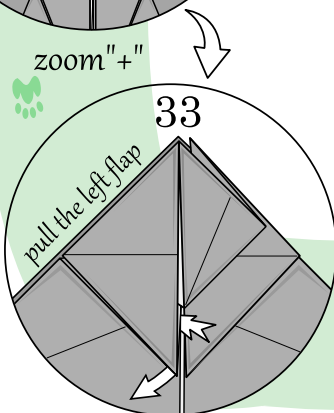
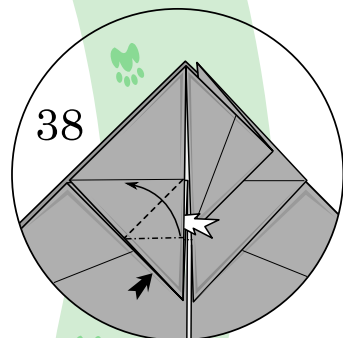
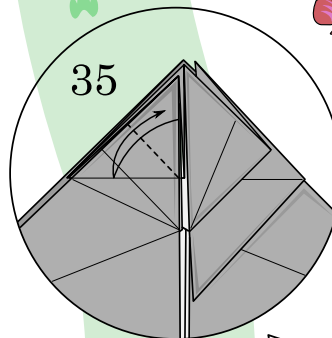
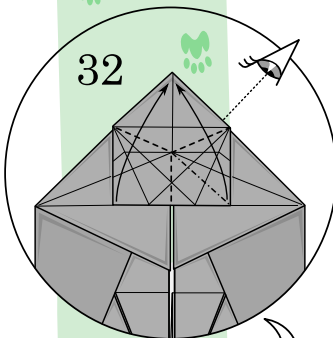
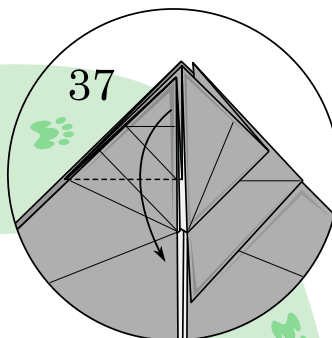
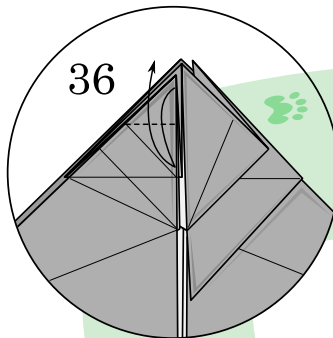
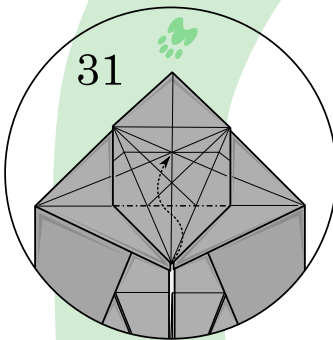
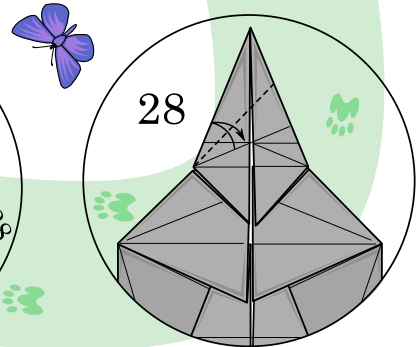
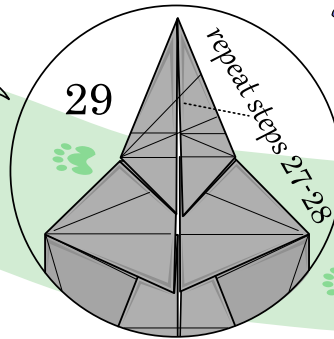
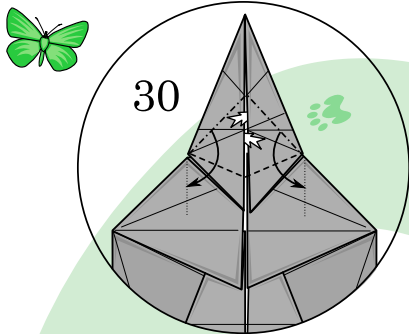
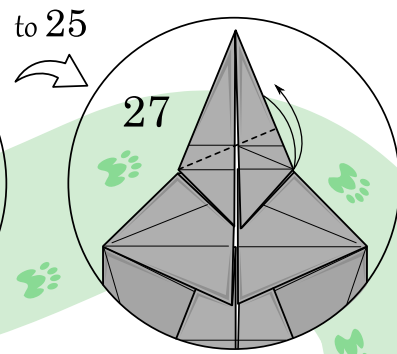
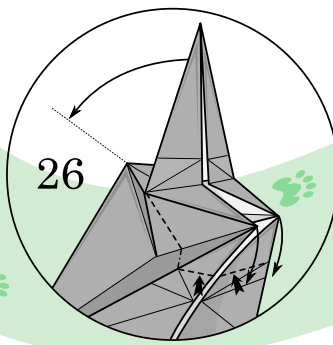
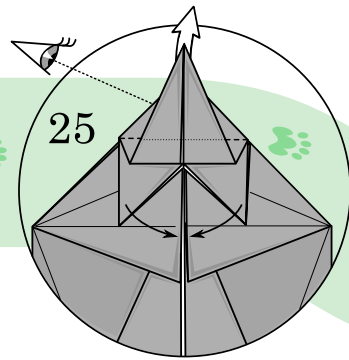
Length of the model: 15 cm

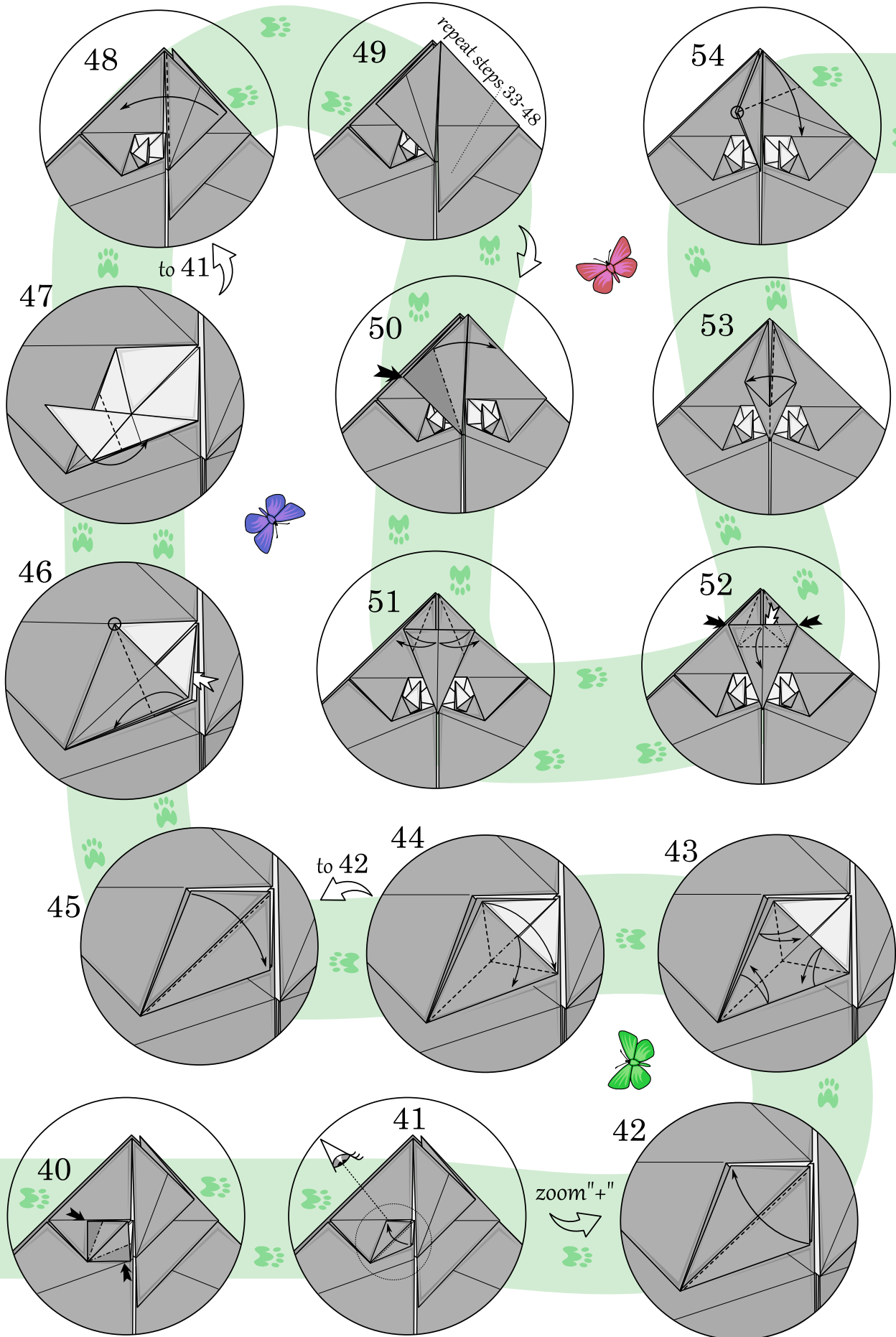
Build time: 2 - 3 hours

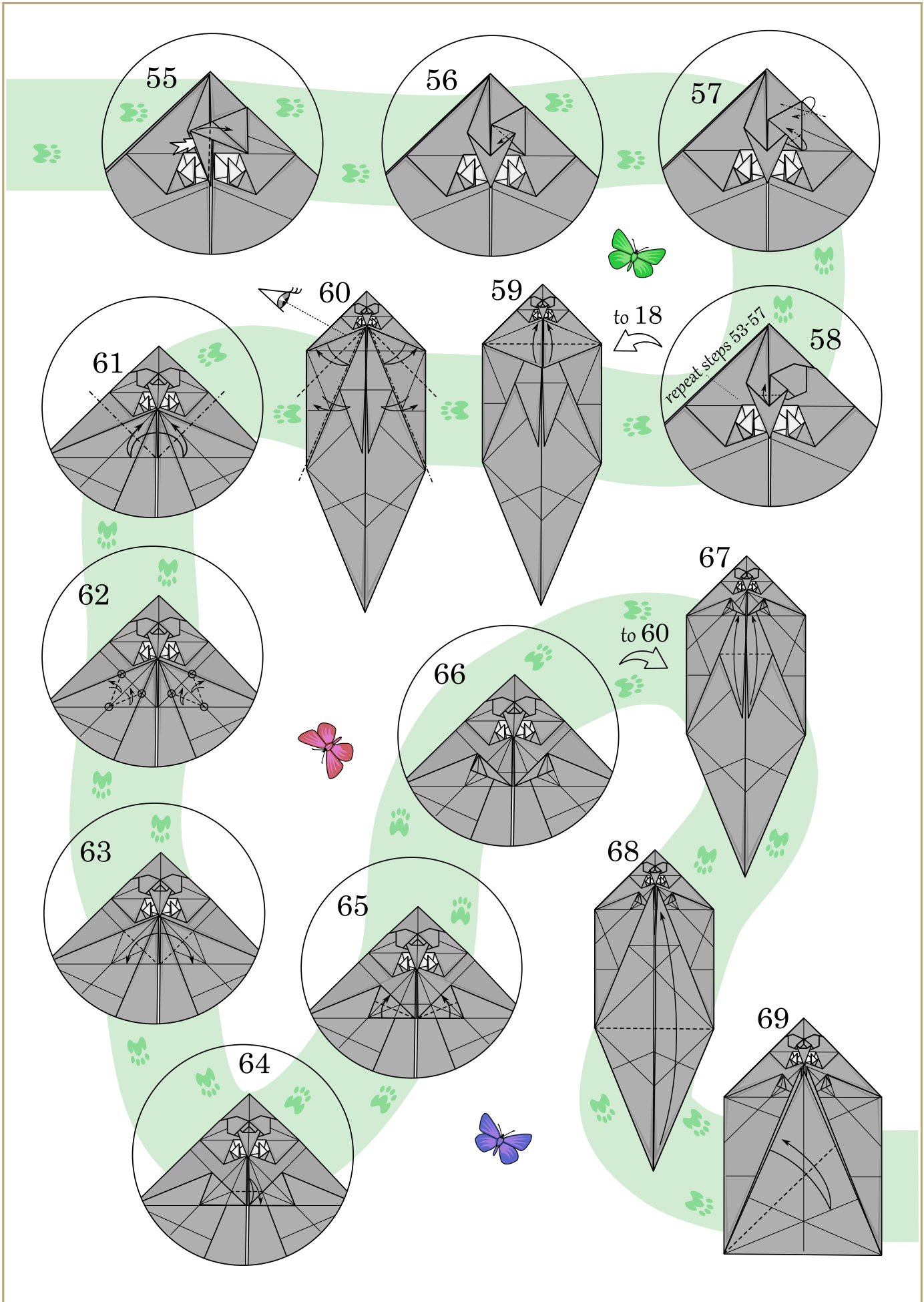
Max score: 7 points

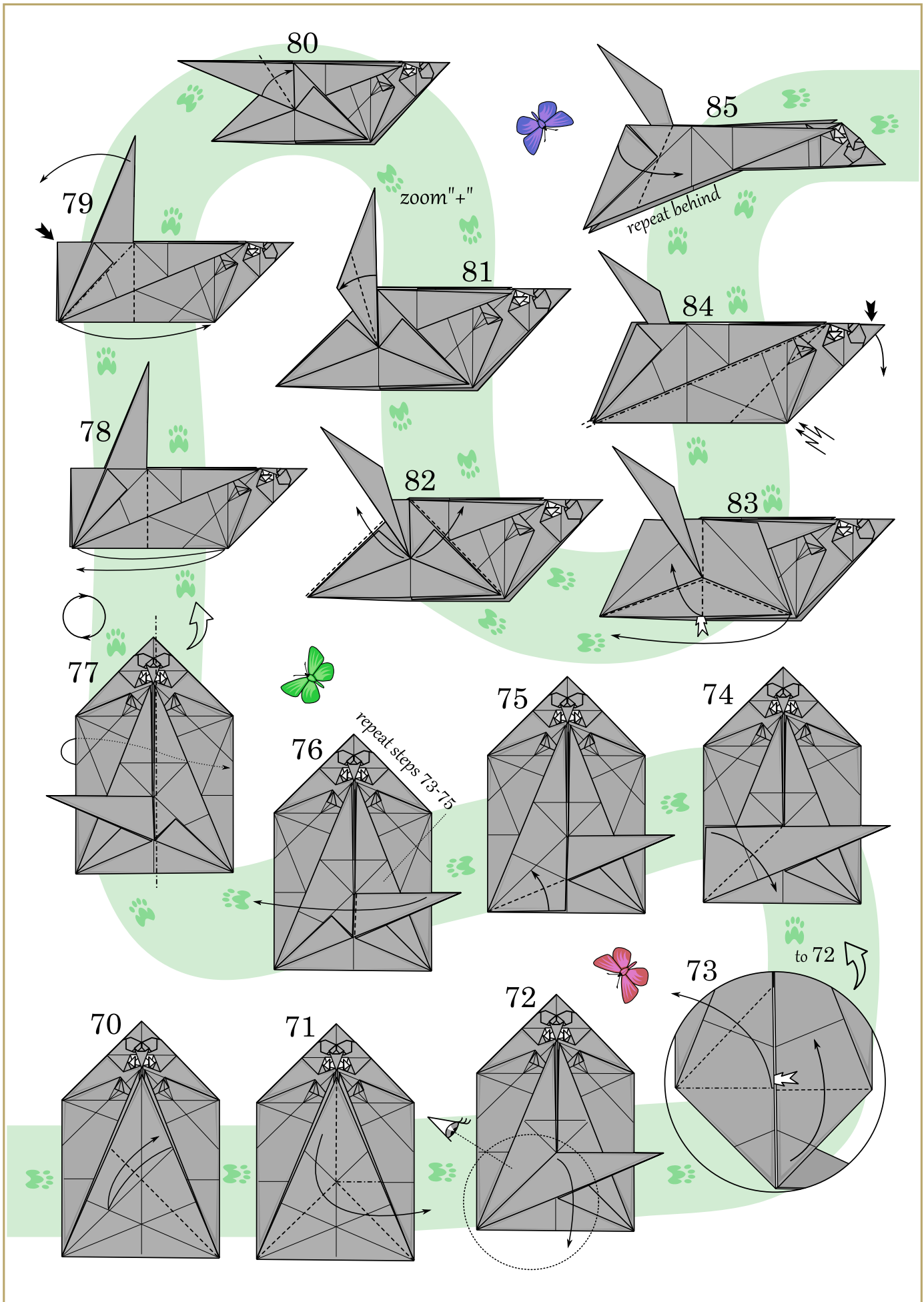


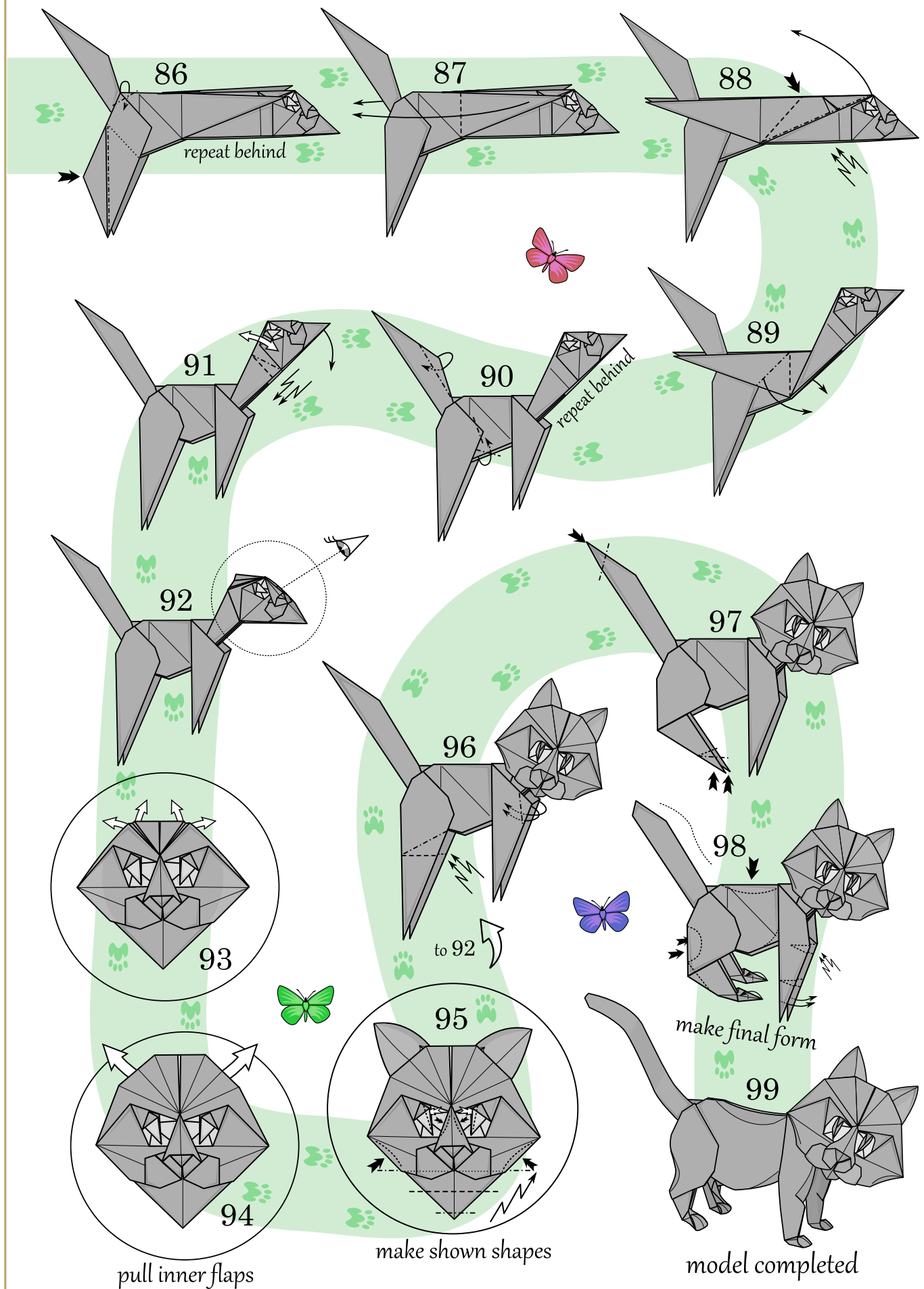












Task №5

"Crested Oropendola"

Designed by Quentin Trollip

Difficulty: *****

Paper: -40 g/m² (two-colored)

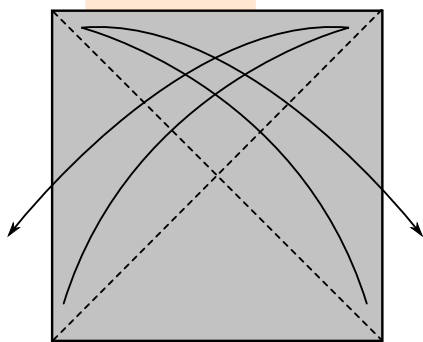
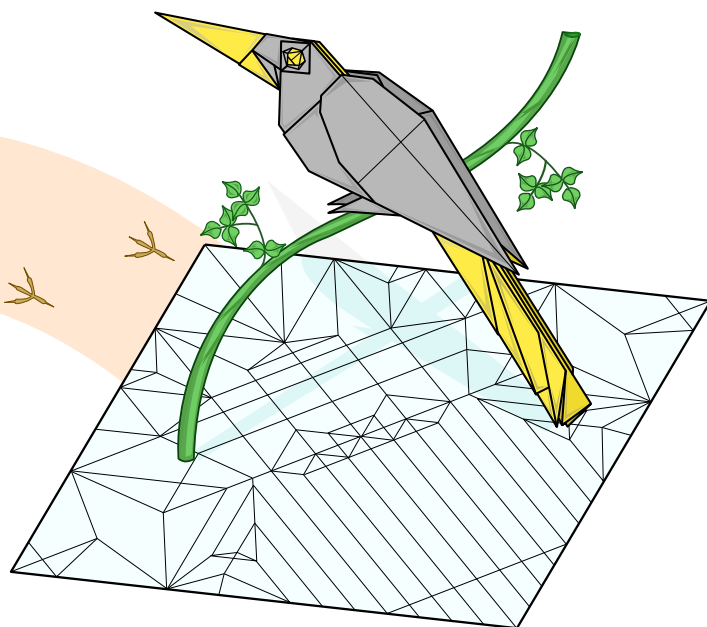
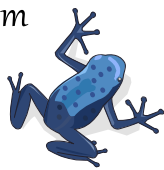
For recommended size: 25 cm - 25 cm

Length of the model: 19 cm

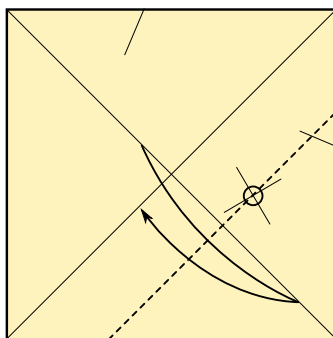
Build time: 2-3 hours

Max score: 8 points

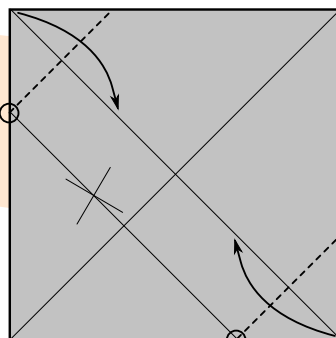
1



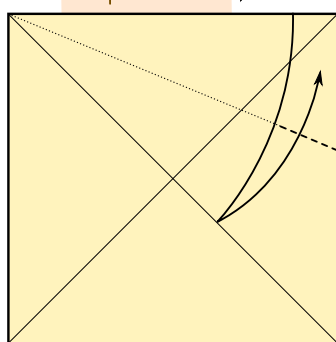
6



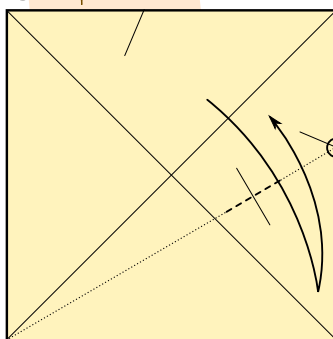
7



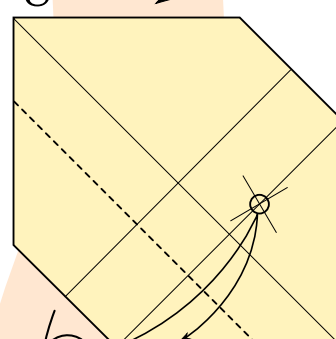
2



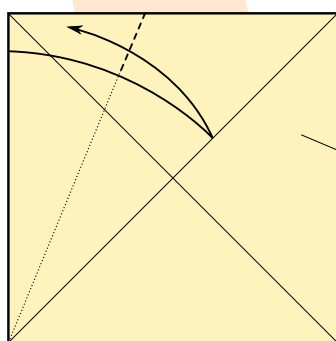
5



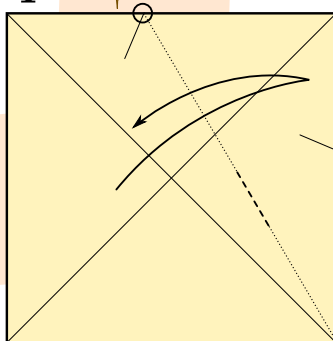
8



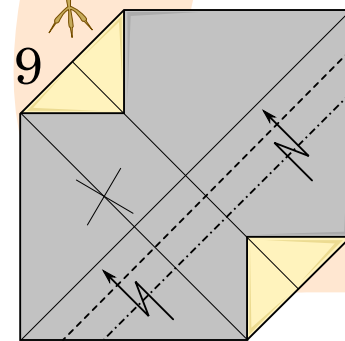
3



4

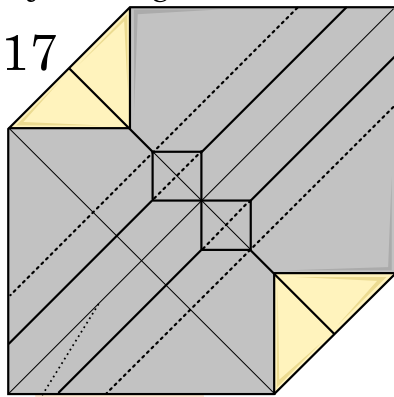


9

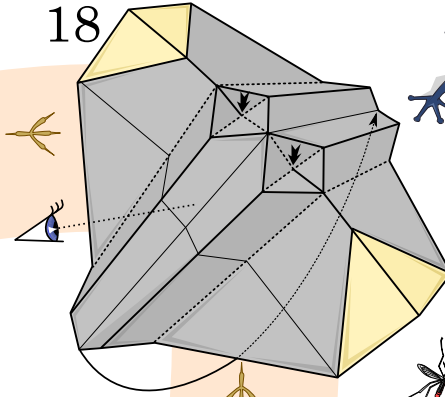


fold using the crease lines

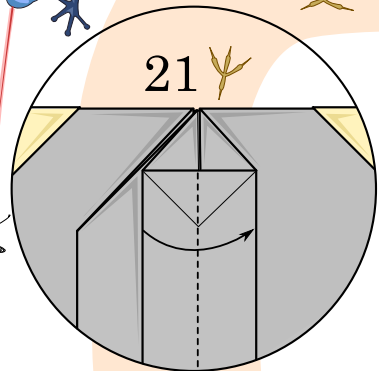
17



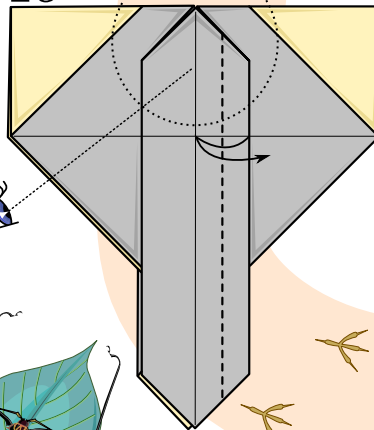
18



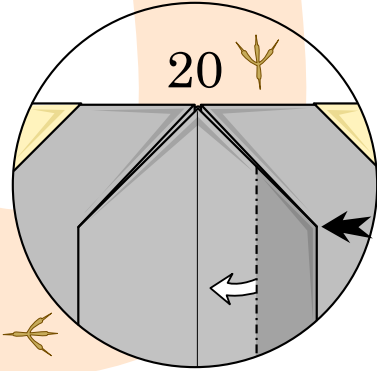
21



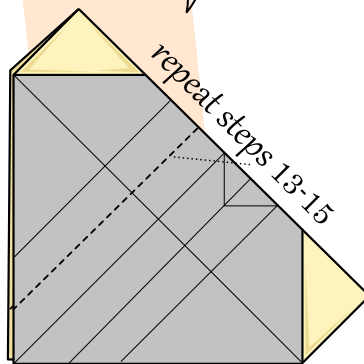
19



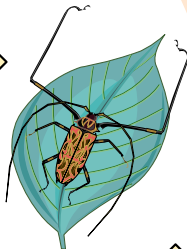
20



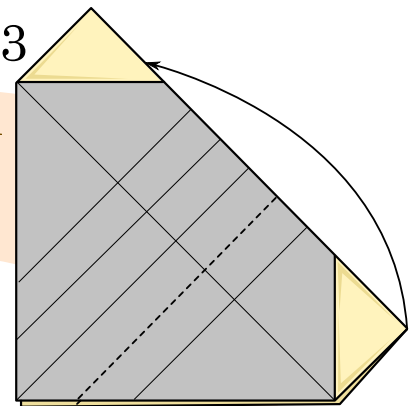
16



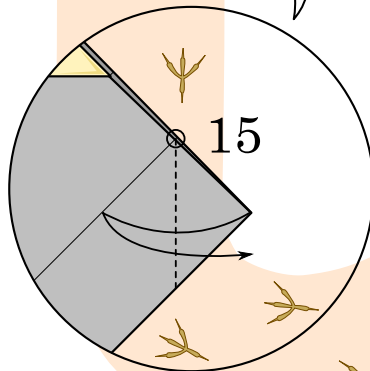
14



13

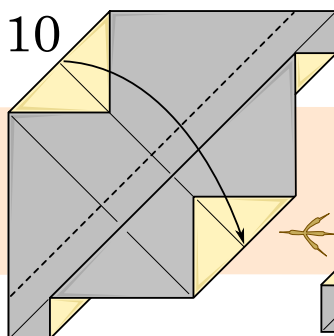


to 13

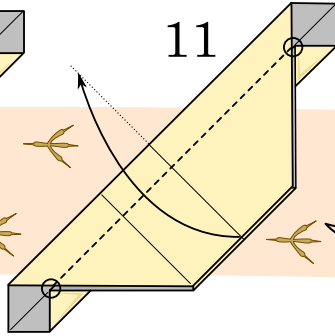


15

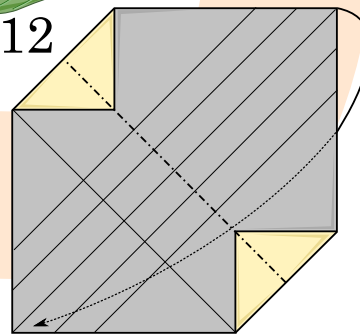
10



11

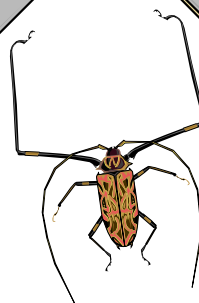
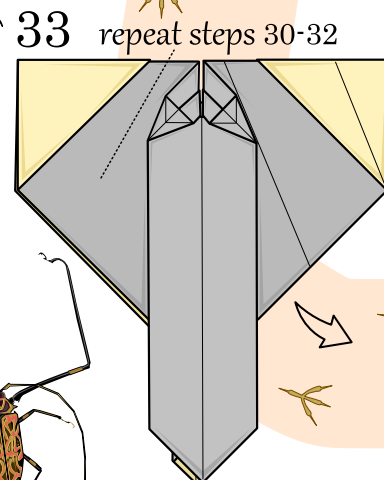
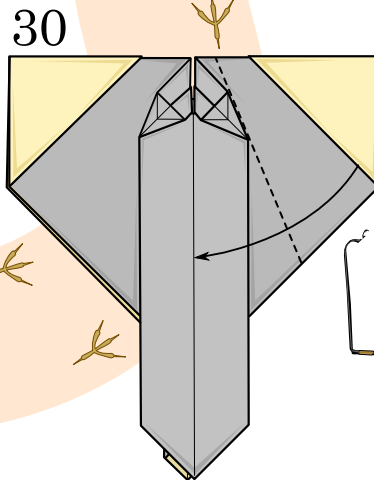
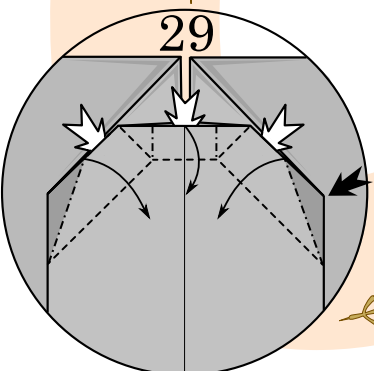
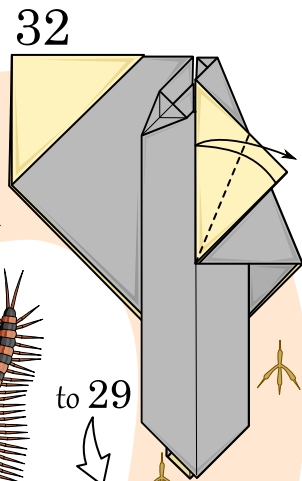
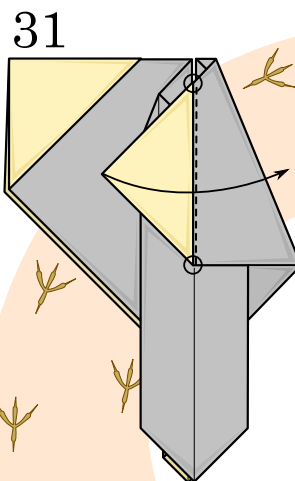
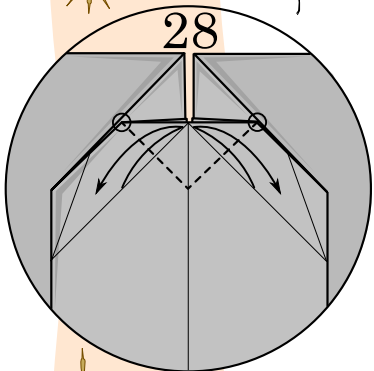
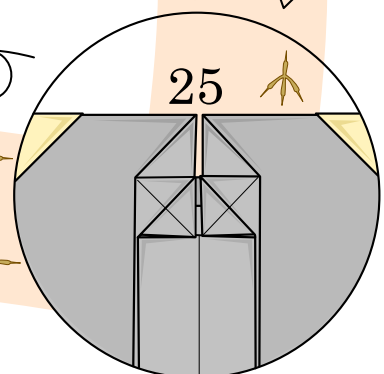
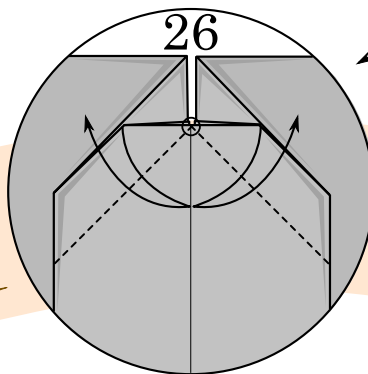
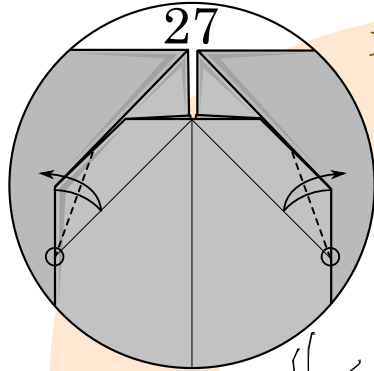
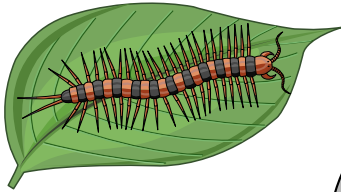
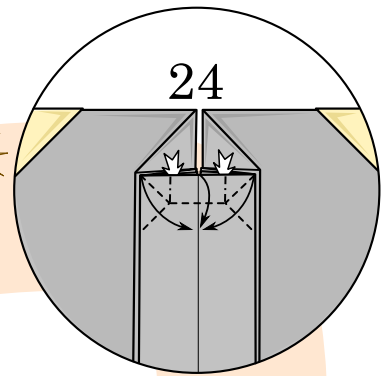
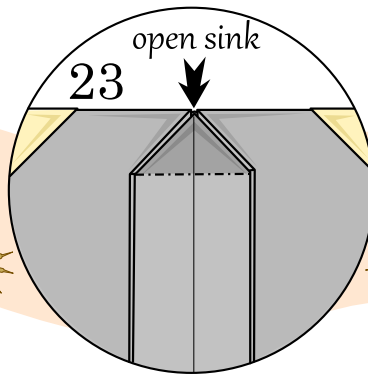
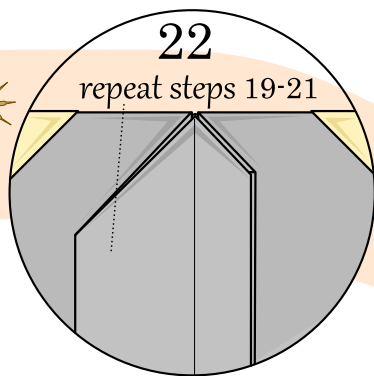


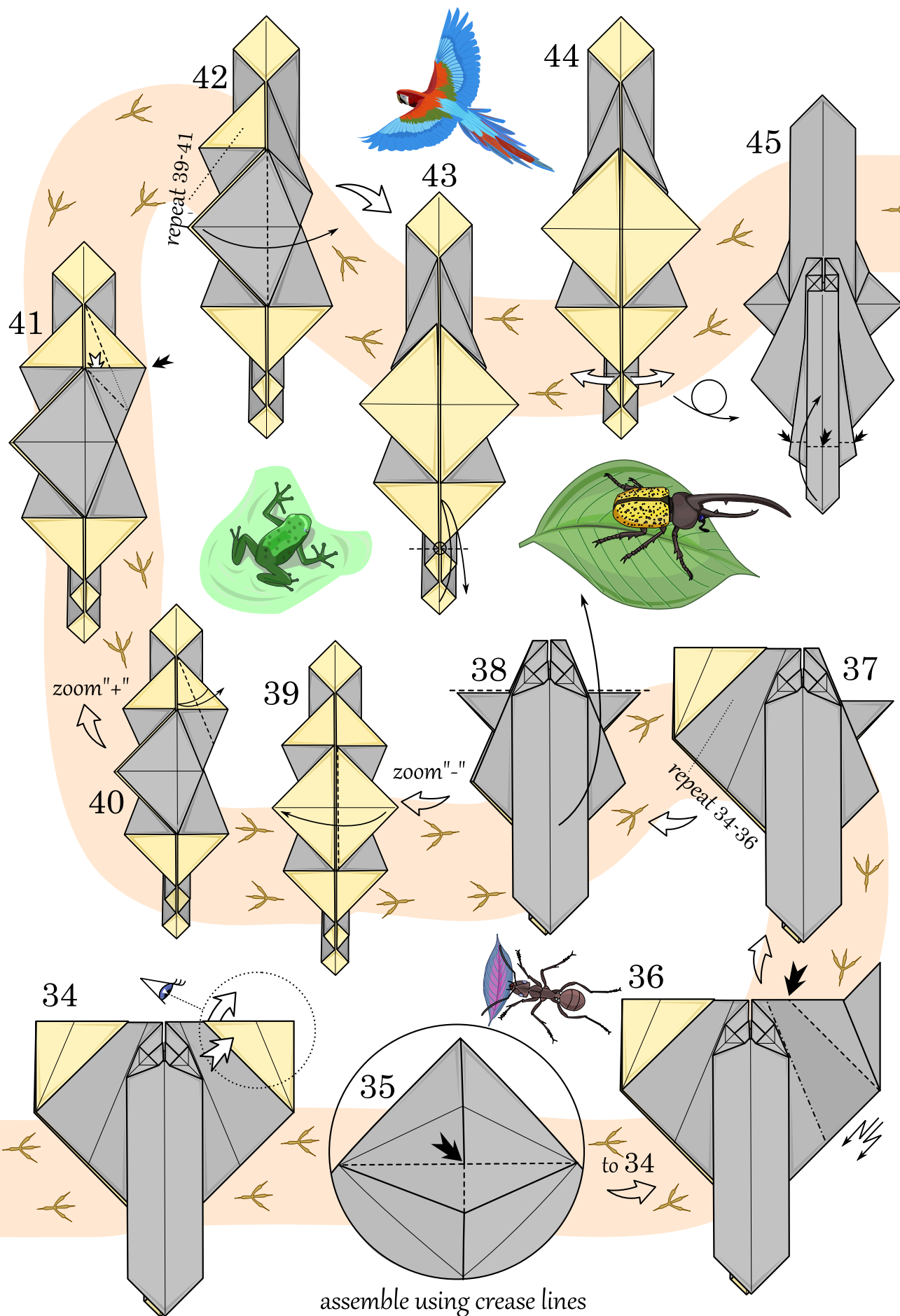
12

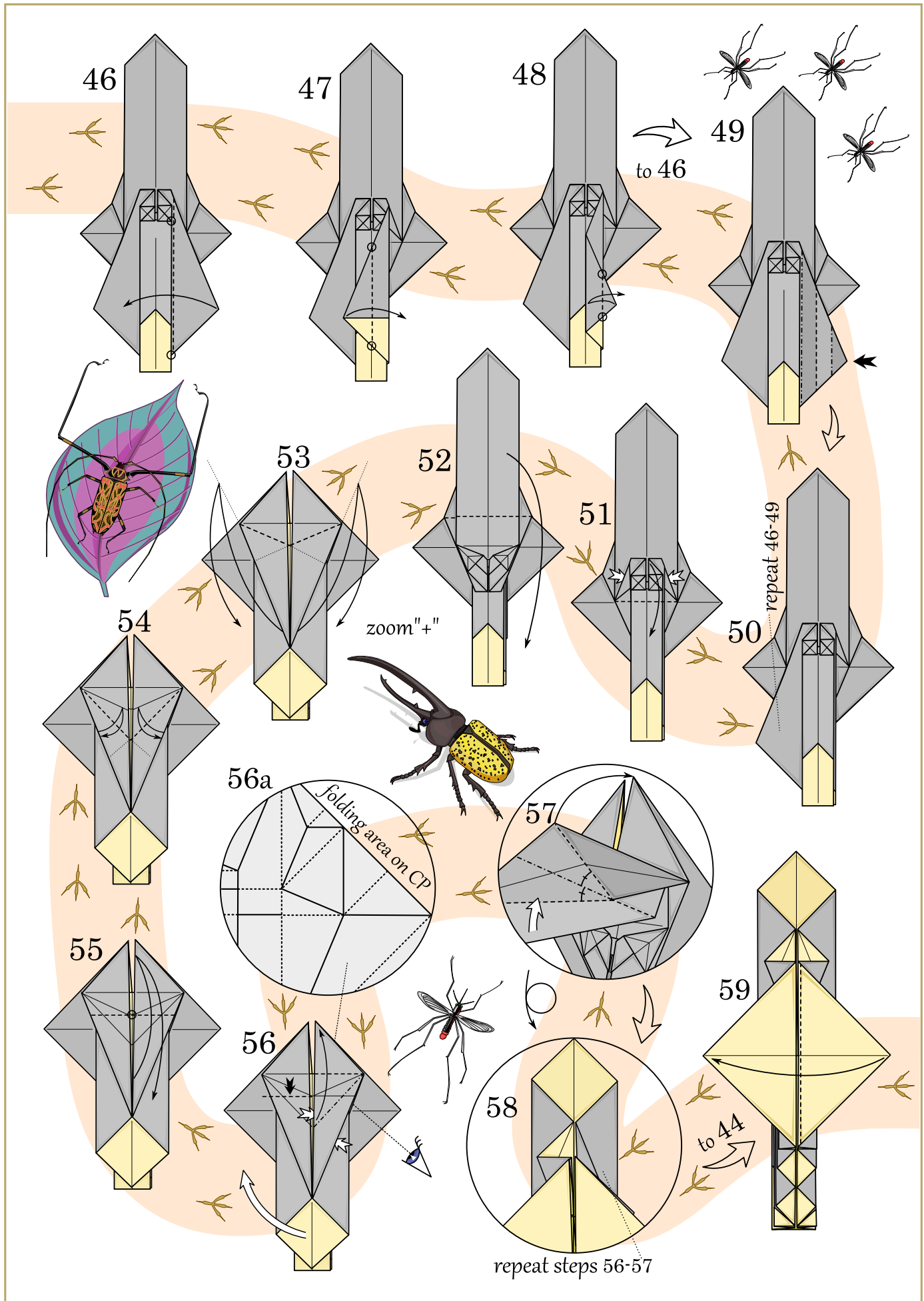


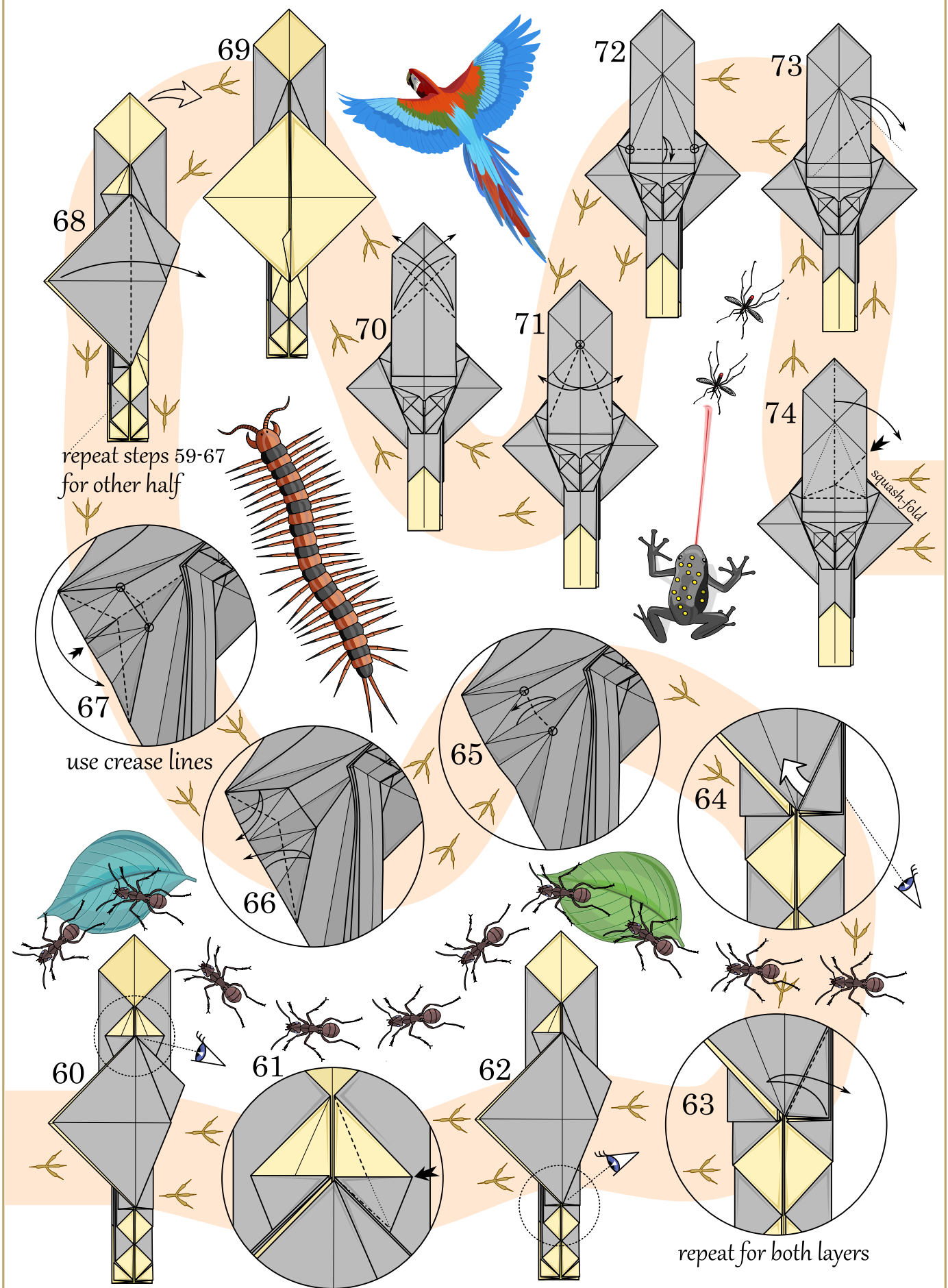
zoom "+"

to 9

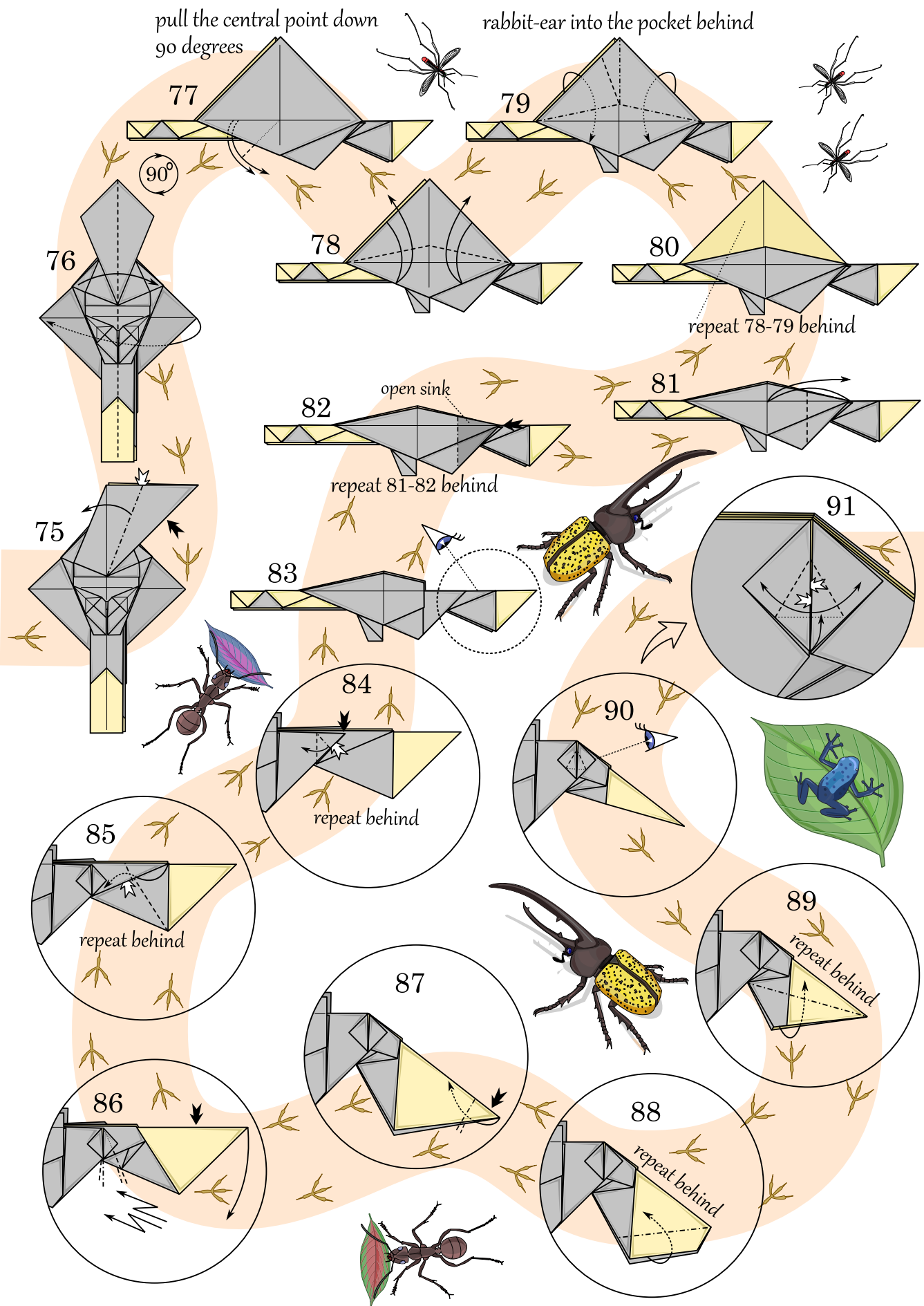


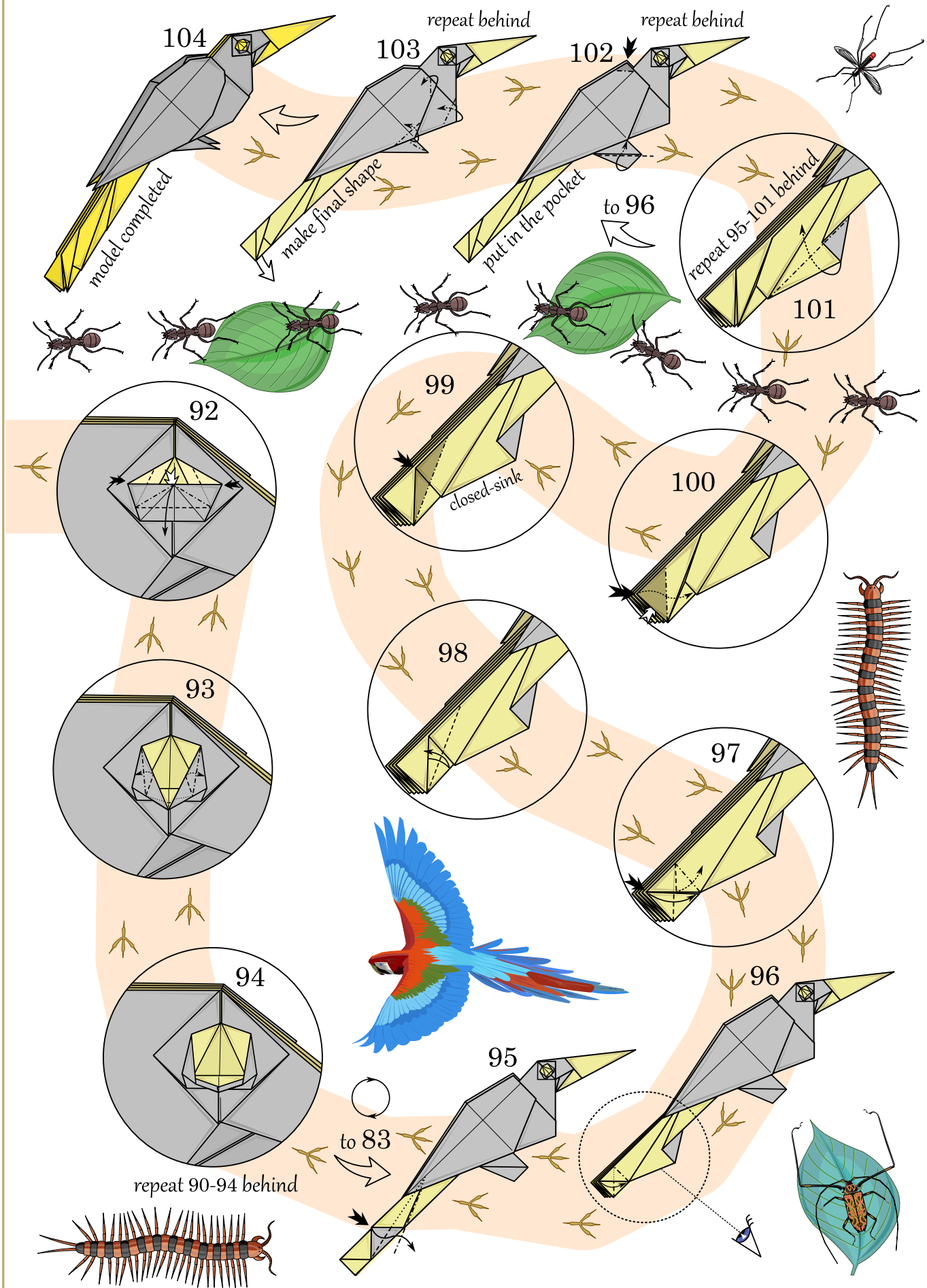






Quentin Trollip - Crested Oropendola





Task №6

"Crow"

Designed by Andrey Ermakov

Difficulty: *****

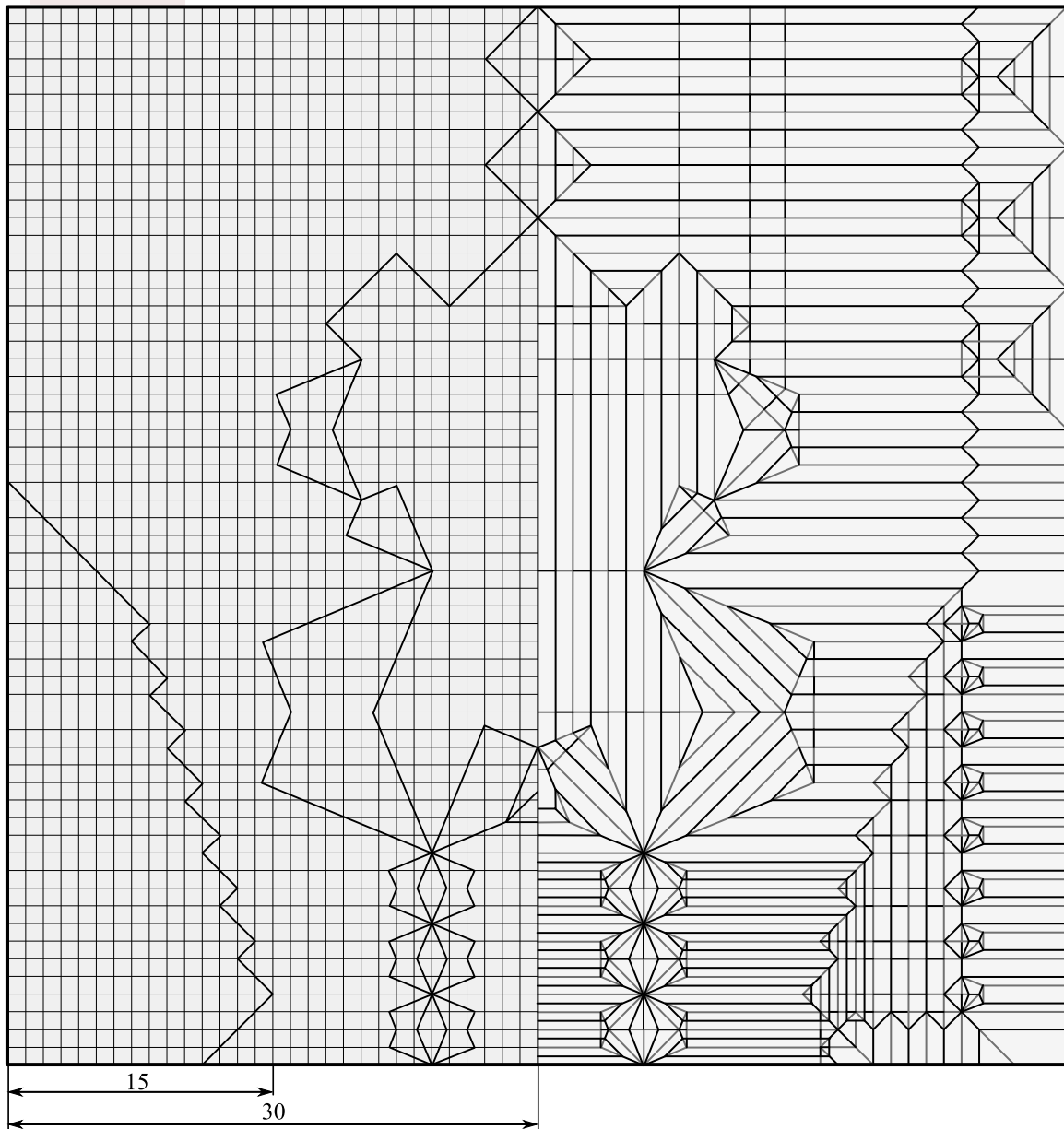
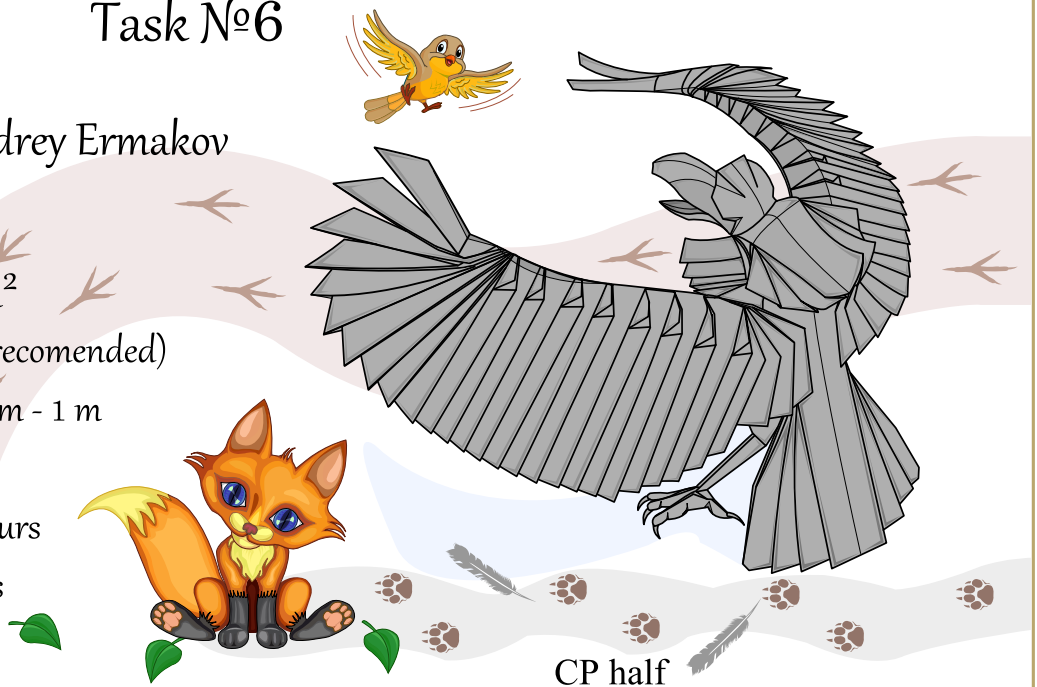
Paper: (20-30) g/m²
tissue-foil (recomended)

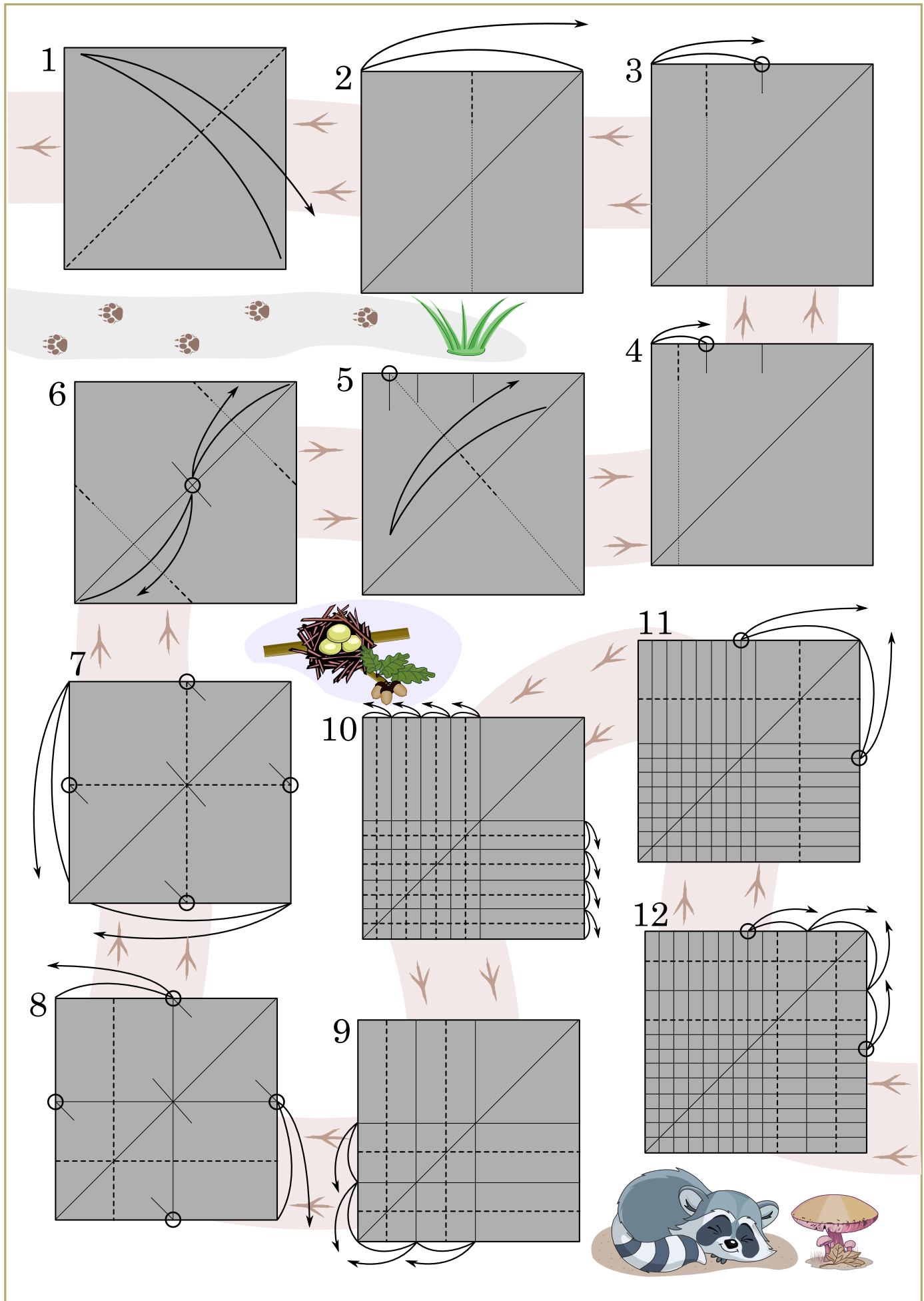
Recomended size: 1 m - 1 m

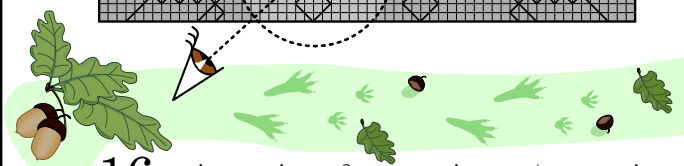
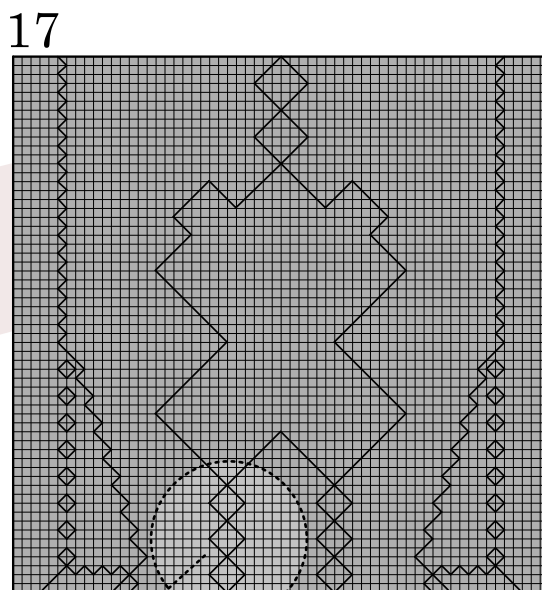
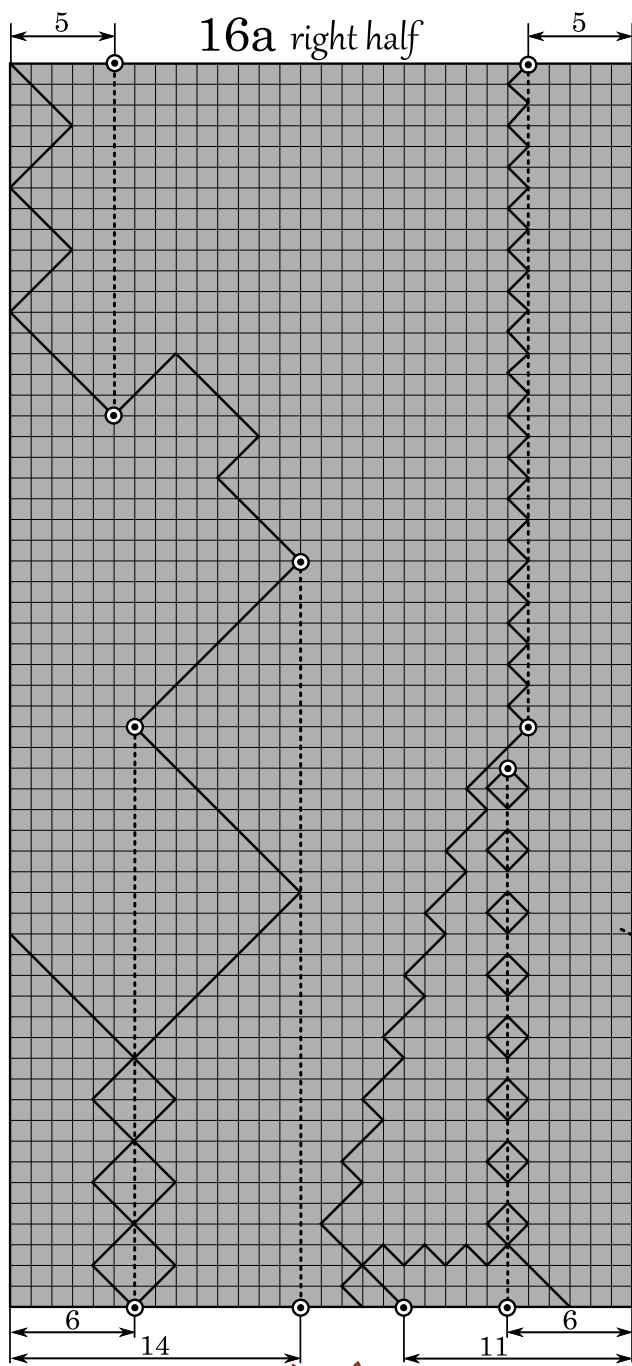
Length: 25 cm

Build time: 8-10 hours

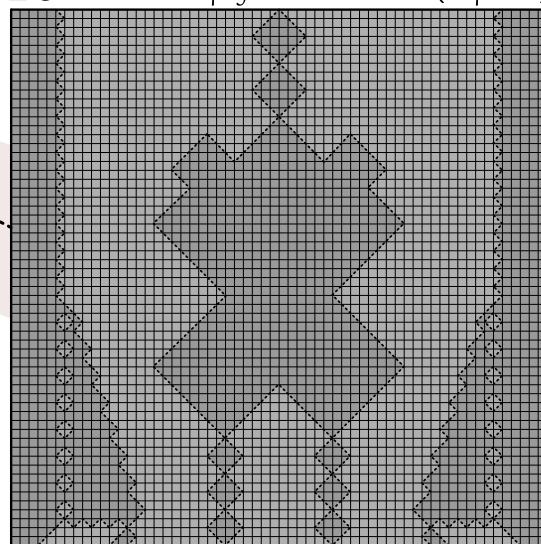
Max score: 12 points





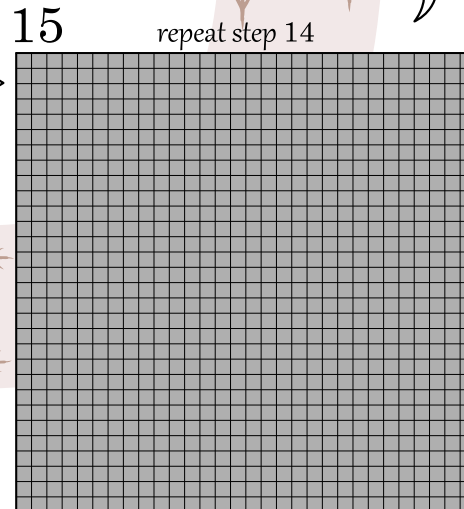


16 make BP-shape from coordinates (step 16a)

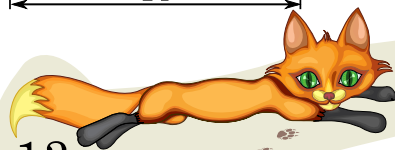


60-60

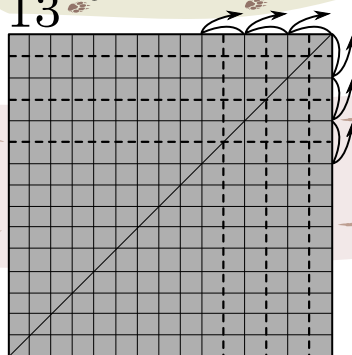
repeat step 14



30-30

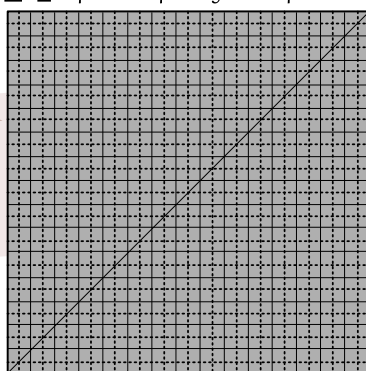


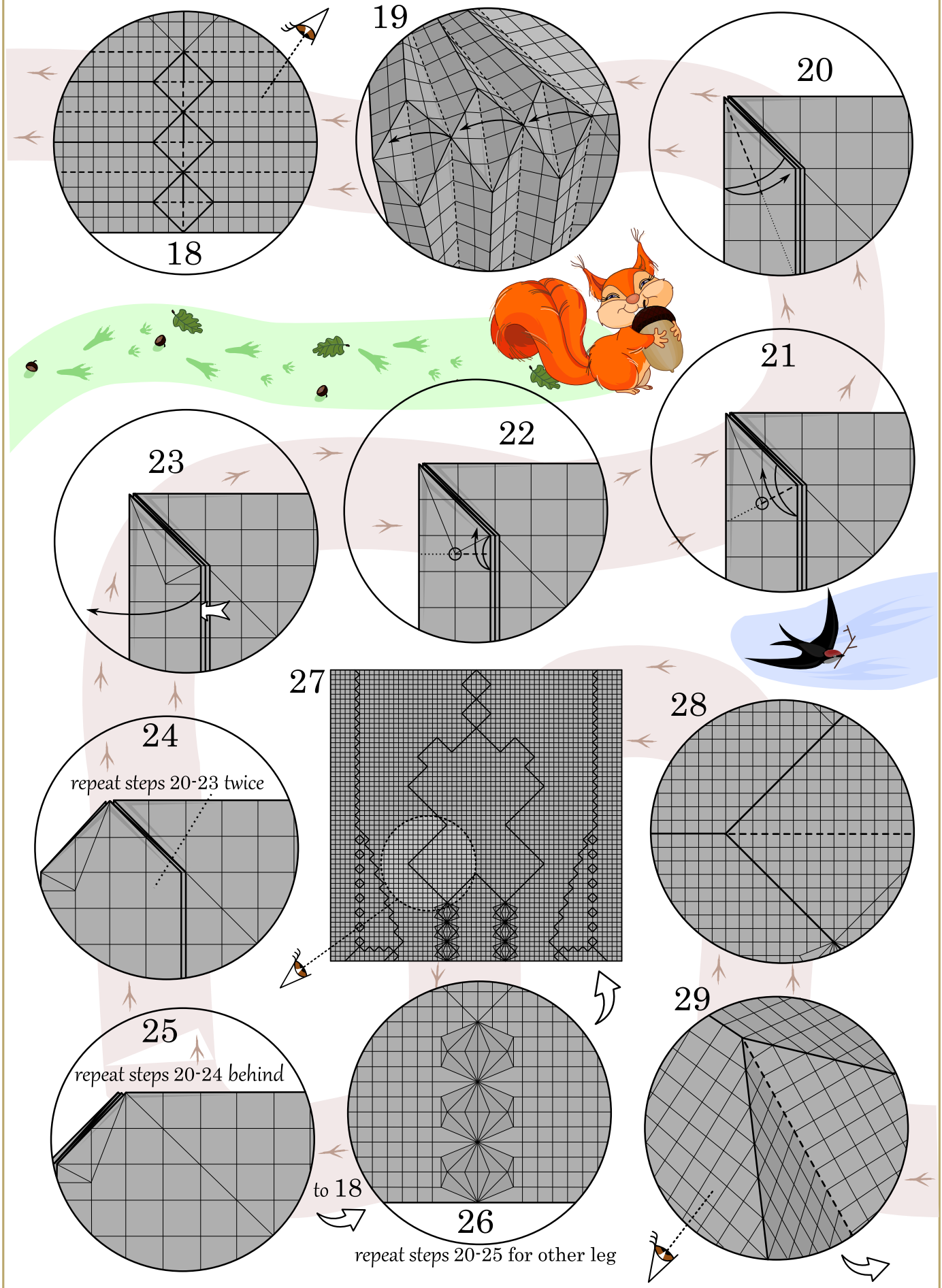
13



15-15

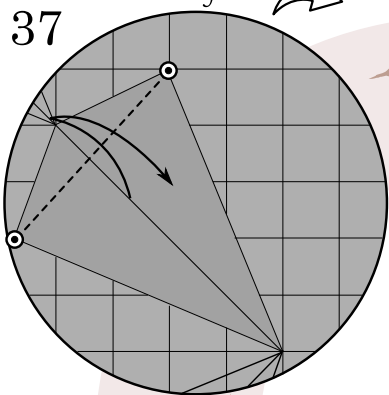
14 repeat step 13 for all parts



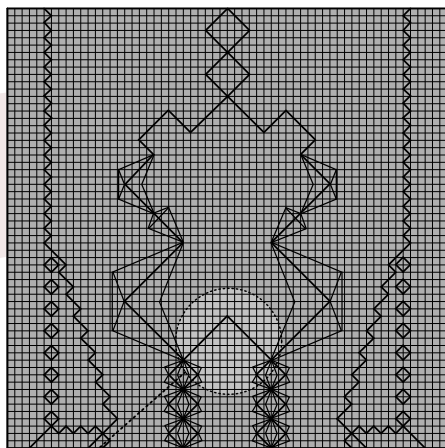


repeat steps 32-37 for
other CP half

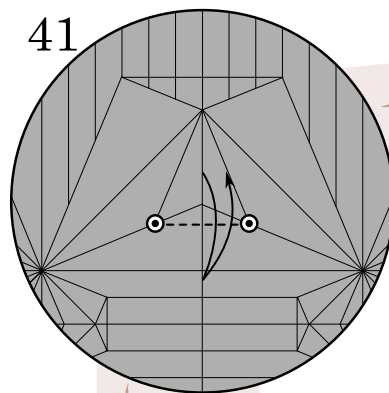
37



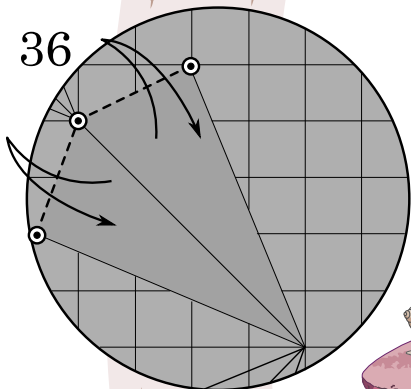
38



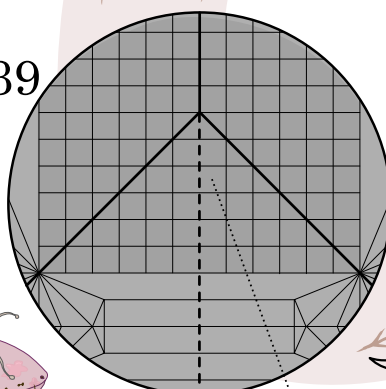
41



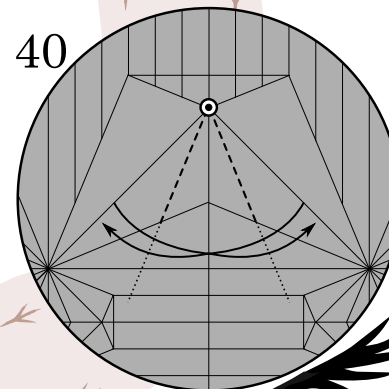
36



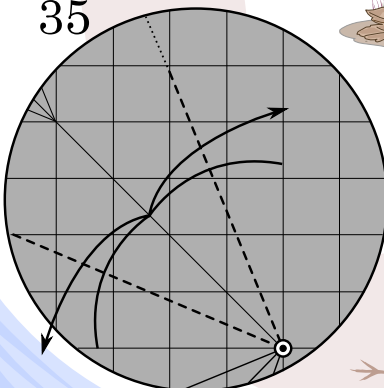
39



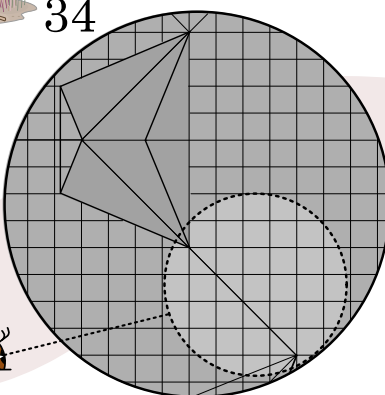
40



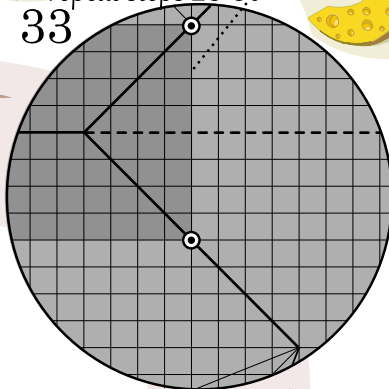
35



34



33

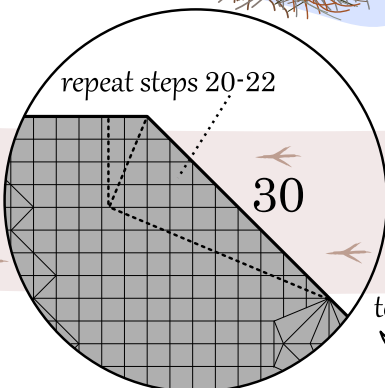


repeat steps 28-30

repeat steps 28-30

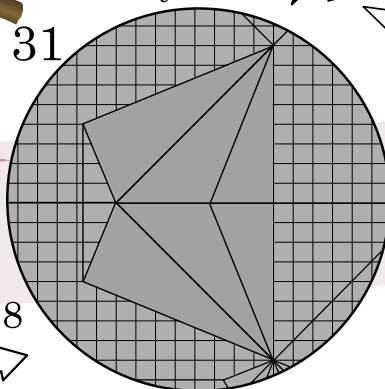
repeat steps 20-22

30



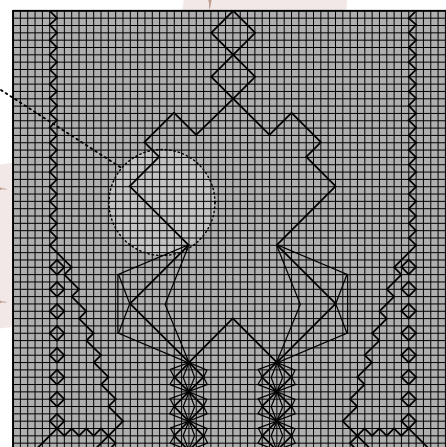
to 28

31

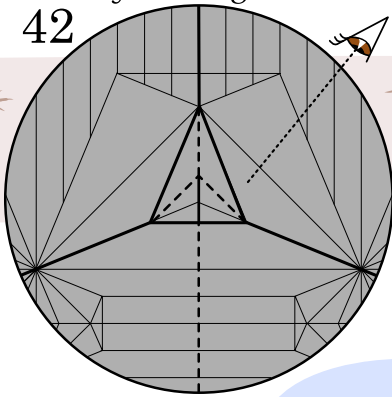


repeat steps 27-31 for
other CP half

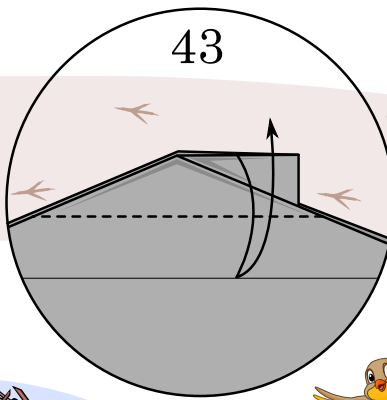
32



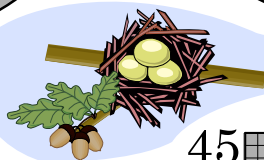
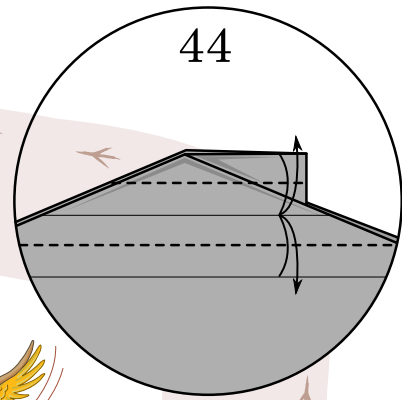
42 fold along line



43

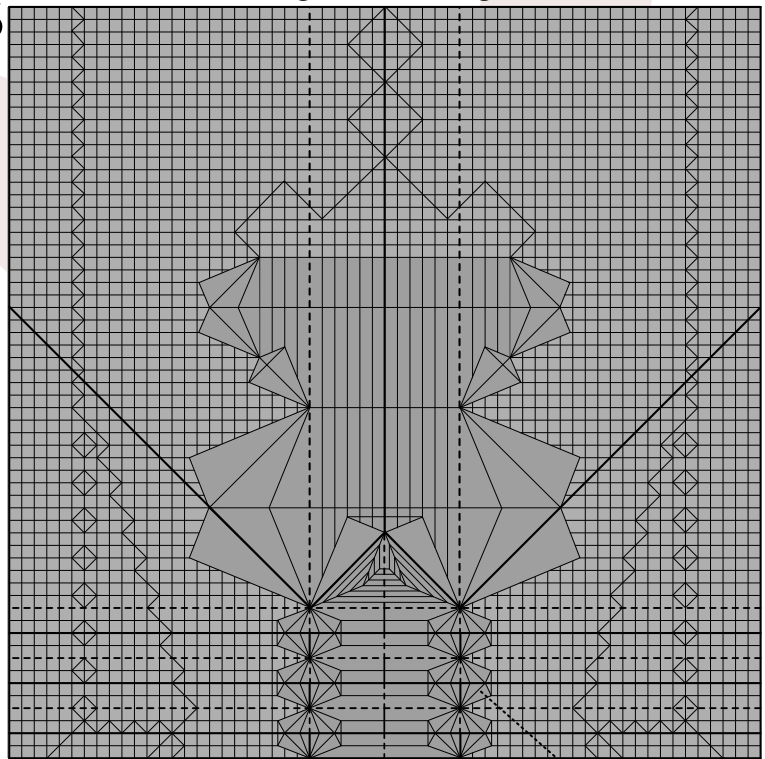


44

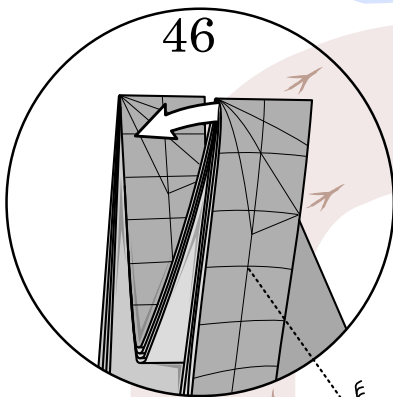


assemble using the existing crease lines

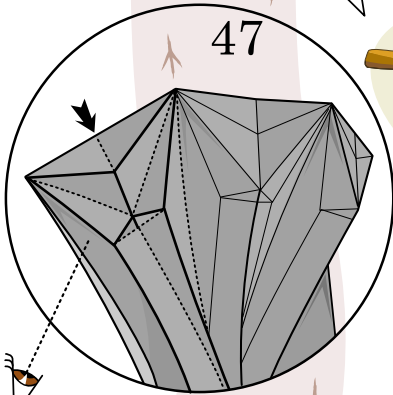
45



46

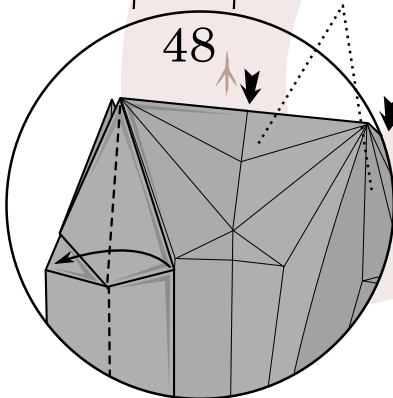


47

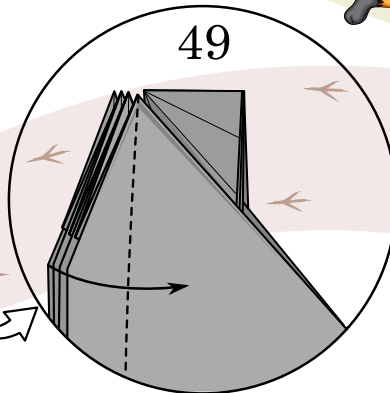


repeat steps 47 twice

48

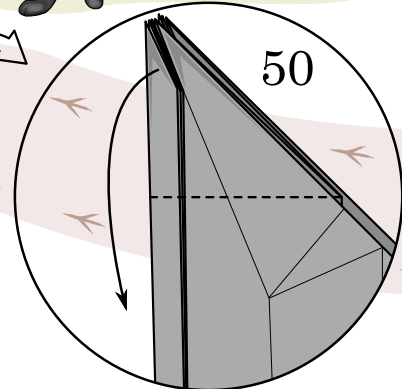


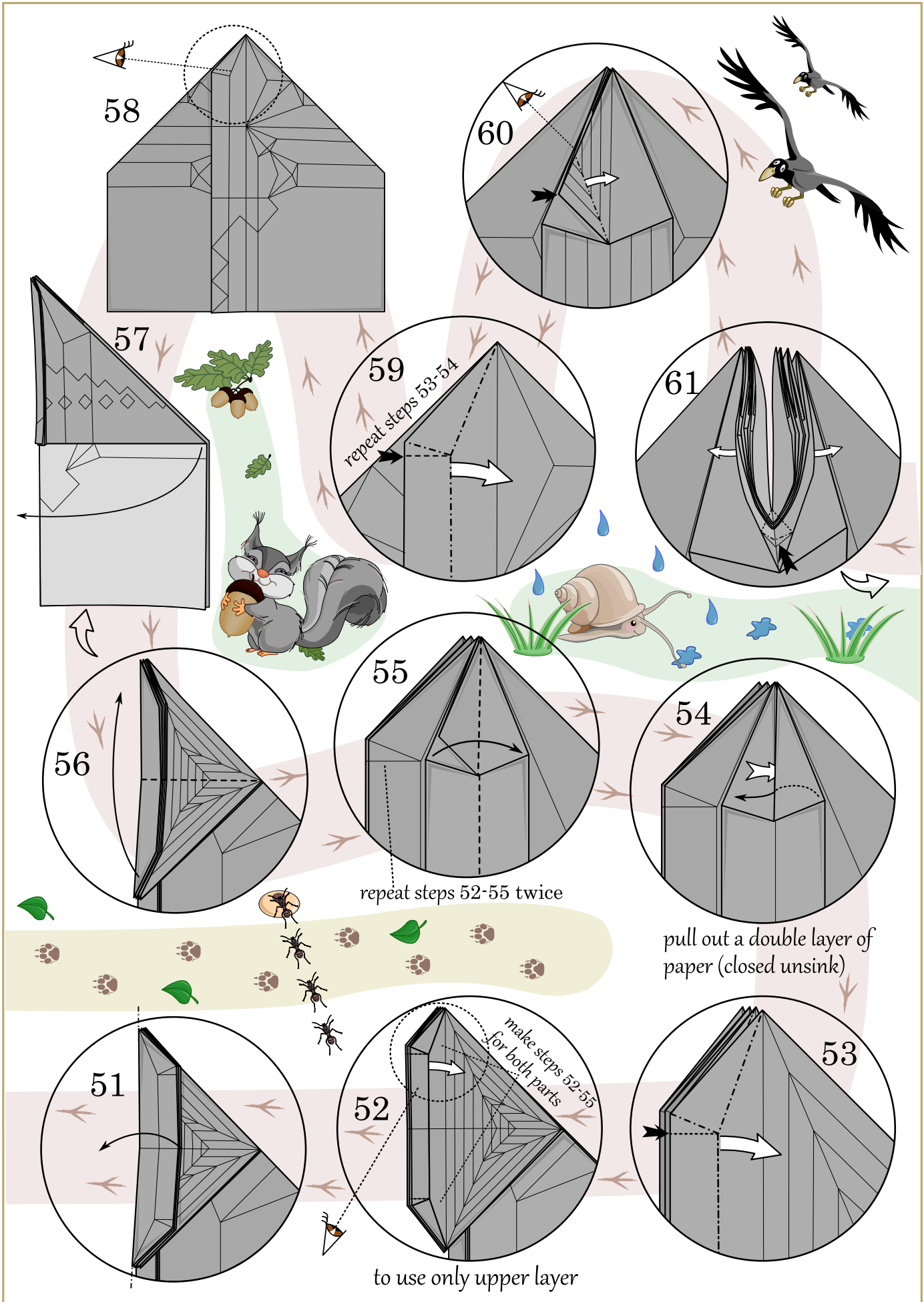
49



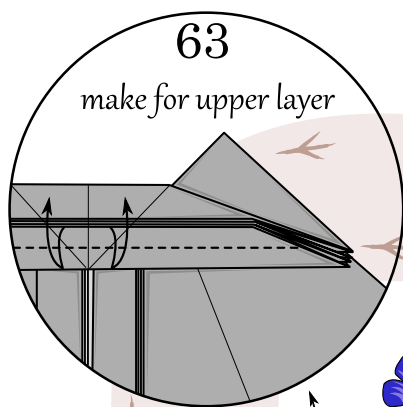
repeat steps 46-49 behind

50

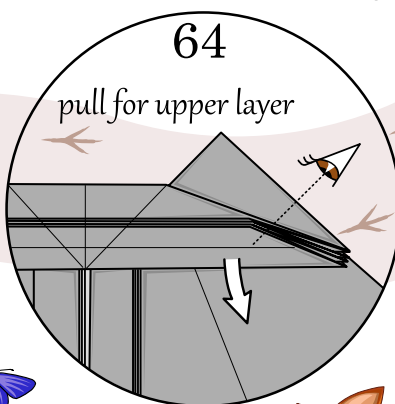




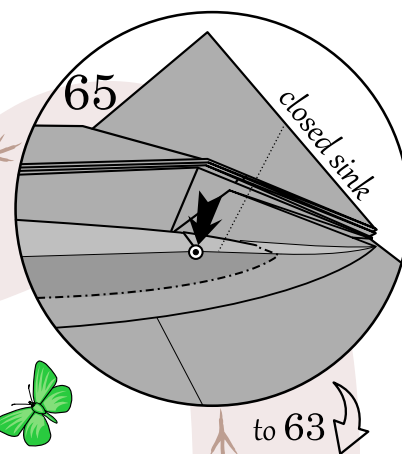
make steps 65 - 69 for both edge



make for upper layer

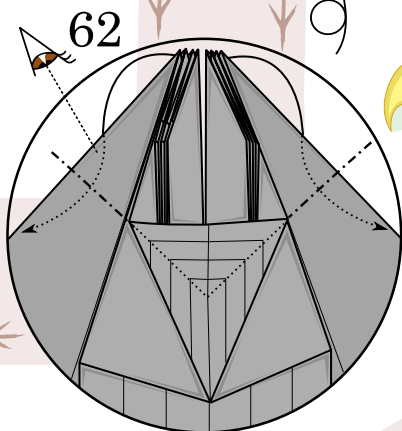


pull for upper layer

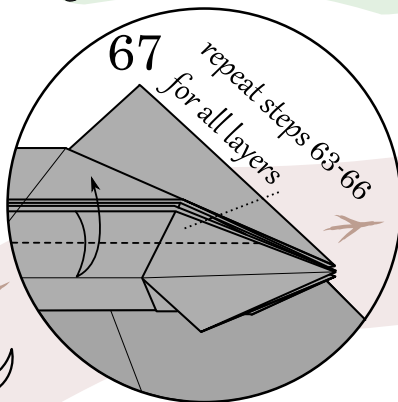


closed sink

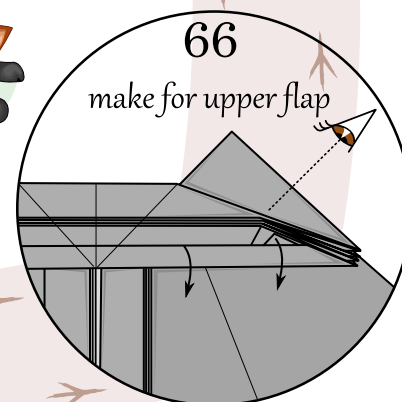
to 63



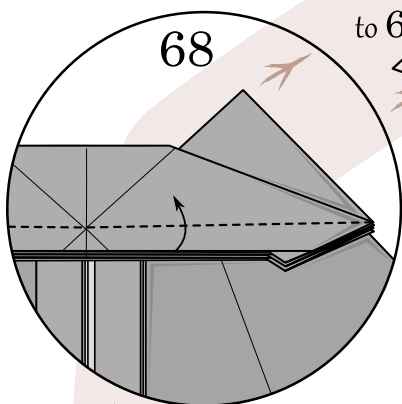
62



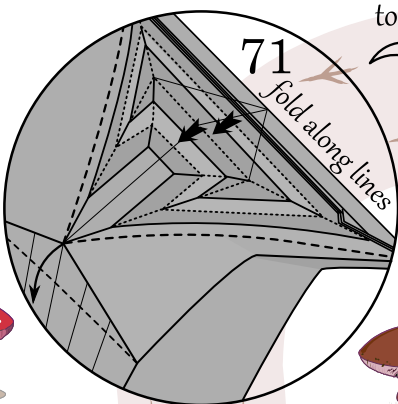
67 repeat steps 63-66
for all layers



66
make for upper flap



68

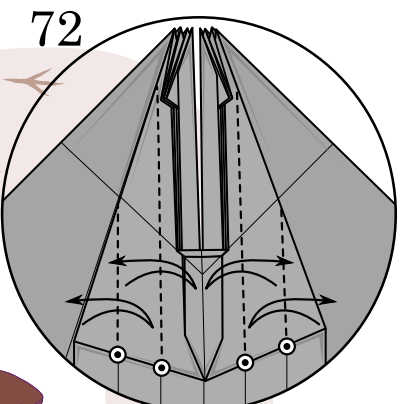
to 63 $\nearrow$ 

71

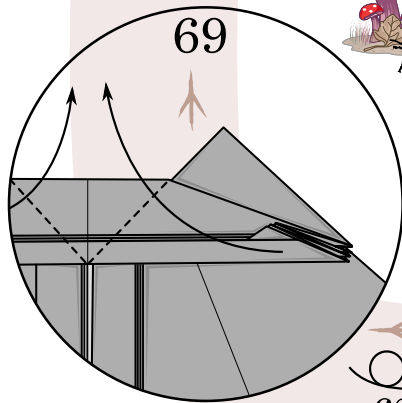


fold along lines

to 70

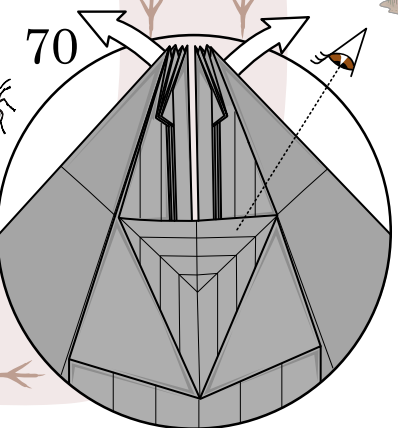


72

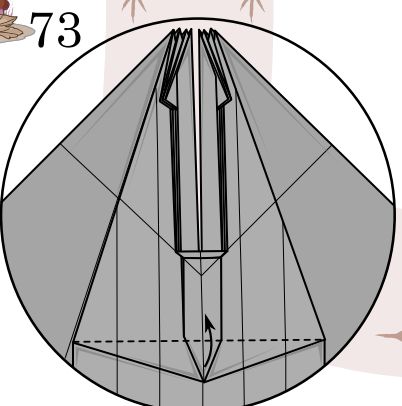


69

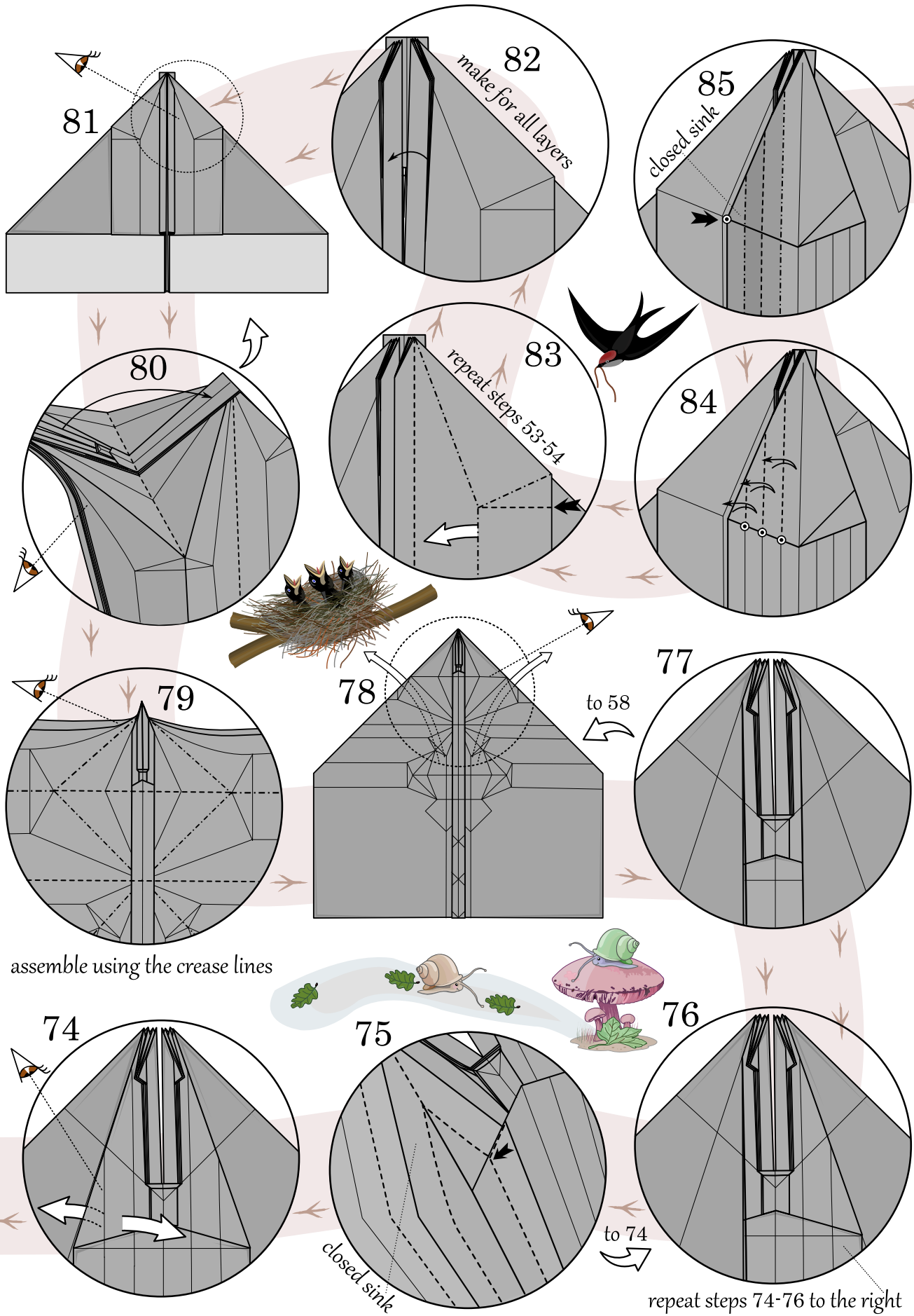
to 62

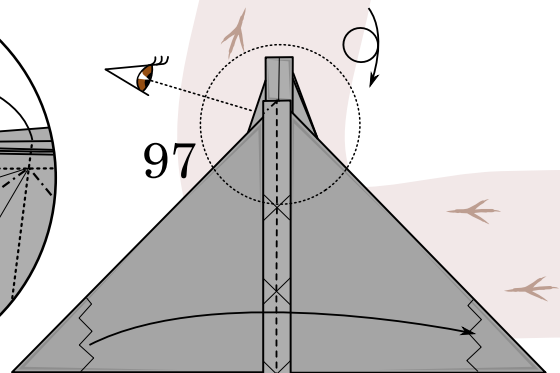
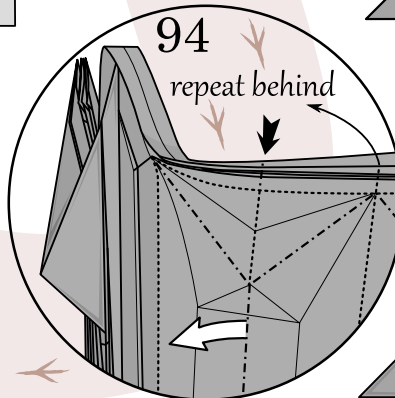
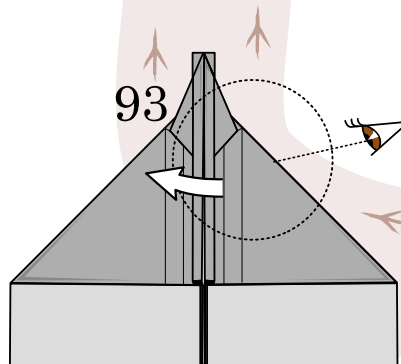
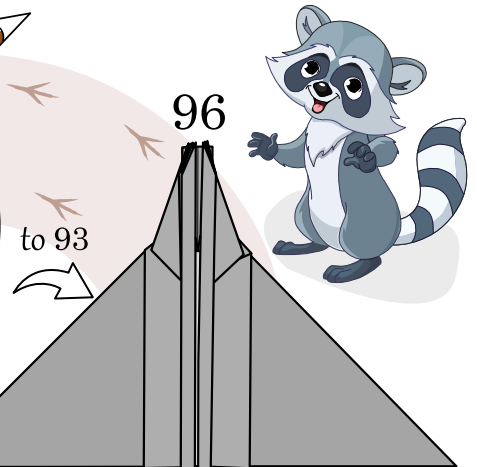
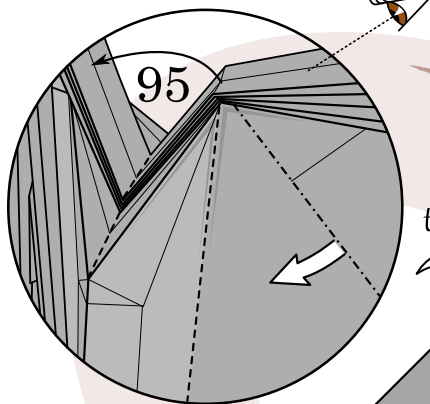
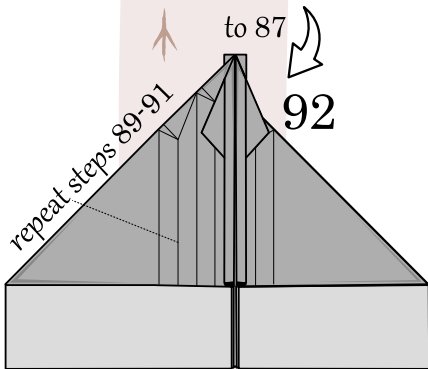
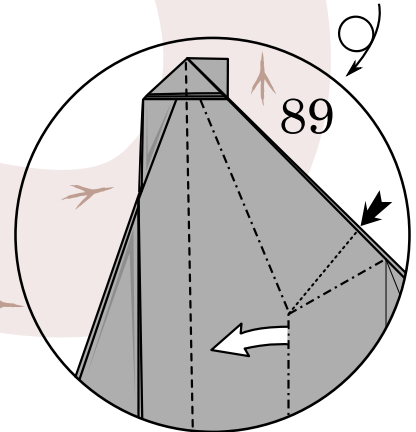
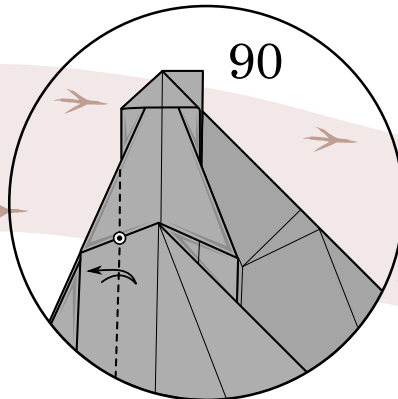
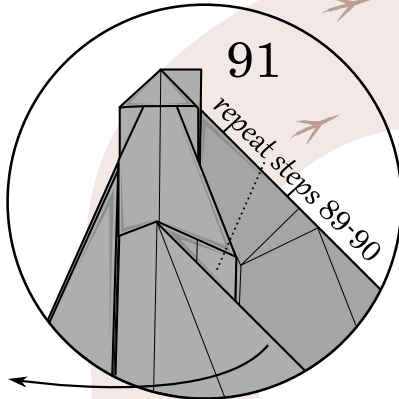
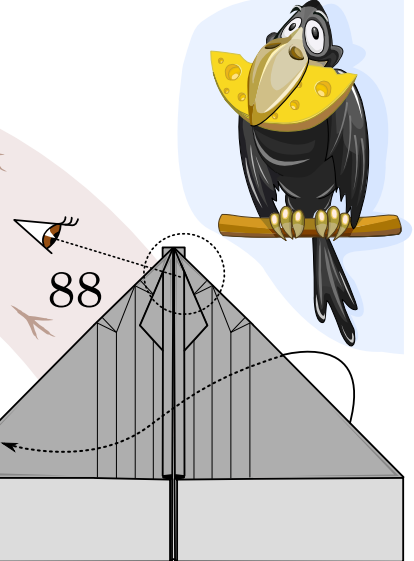
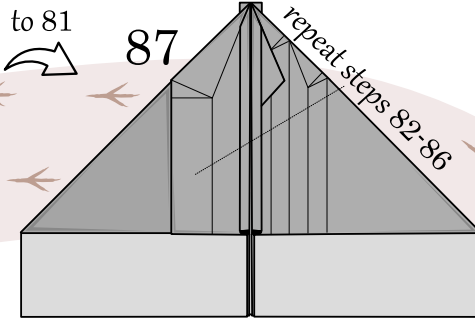
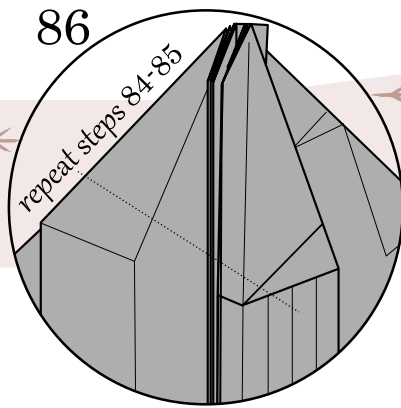


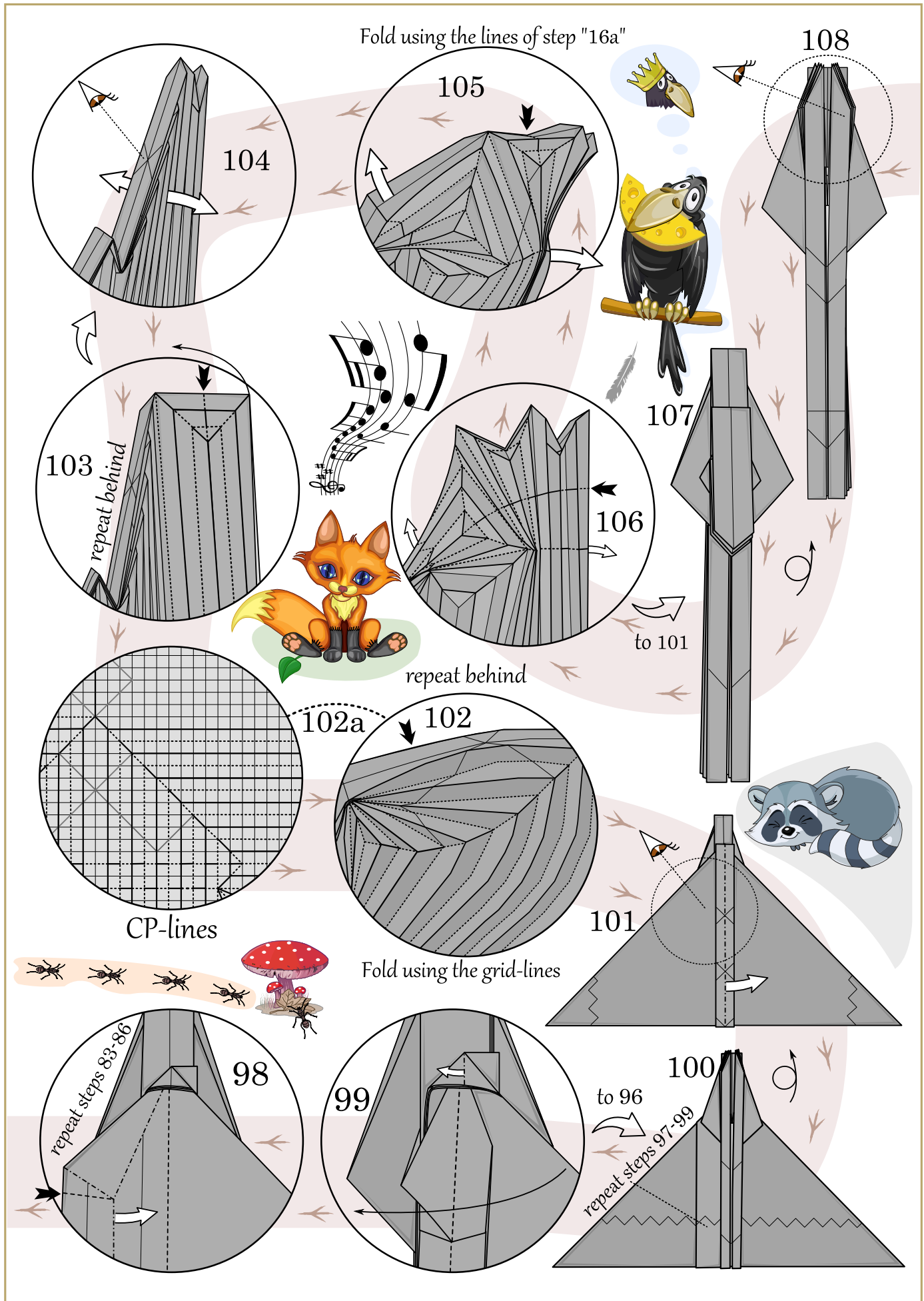
70

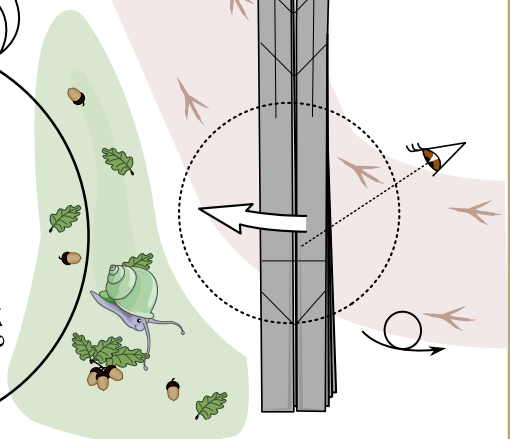
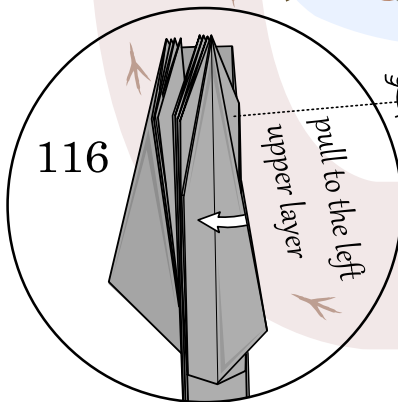
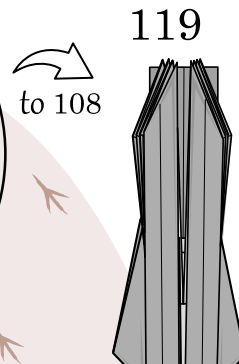
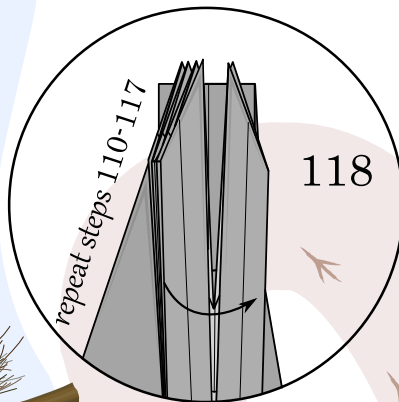
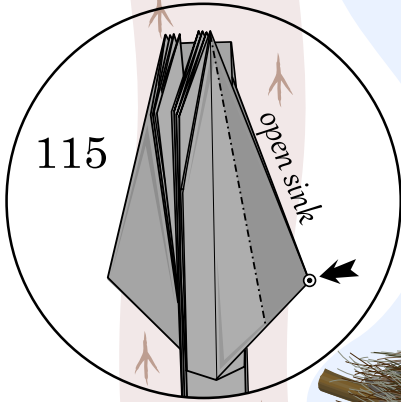
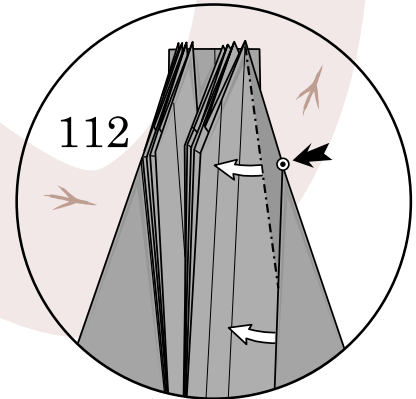
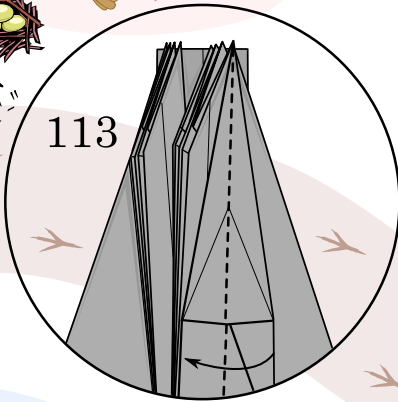
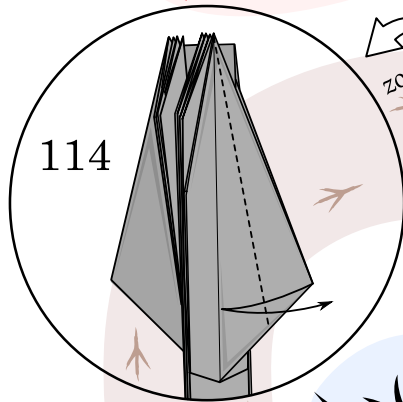
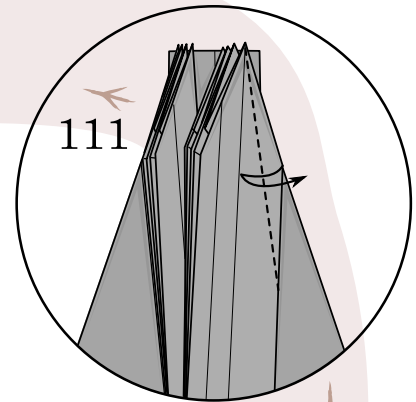
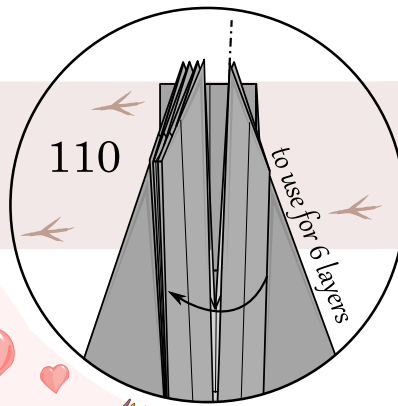
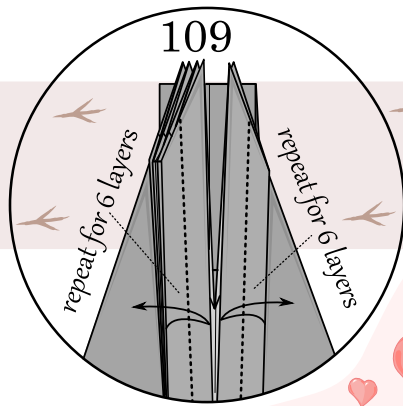


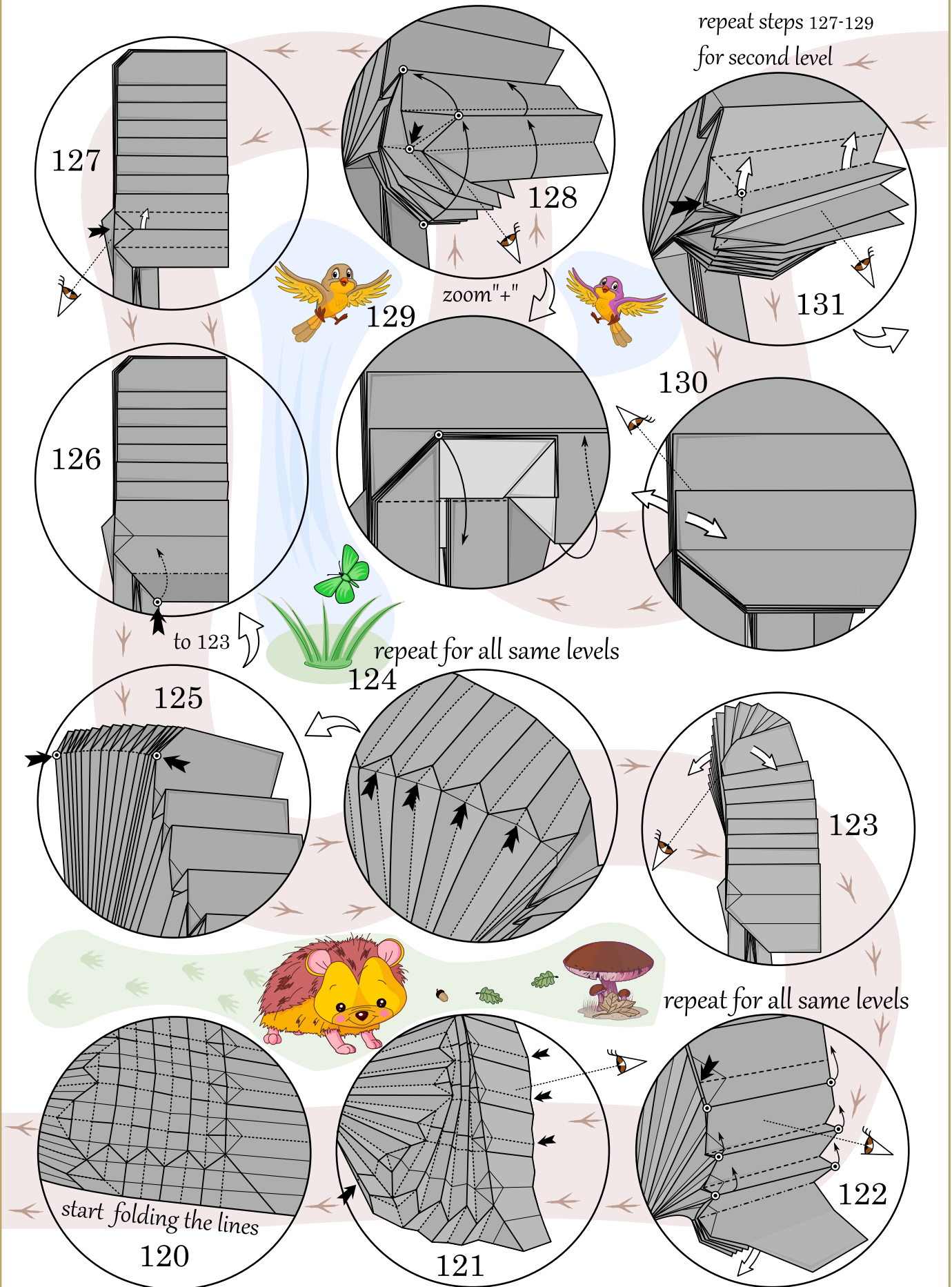
73

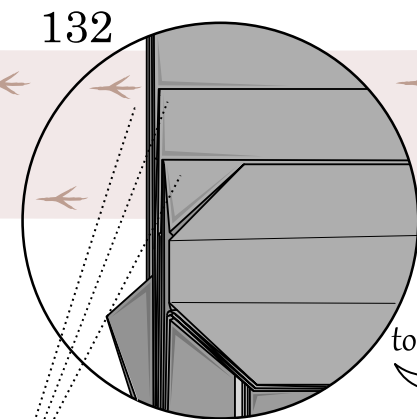






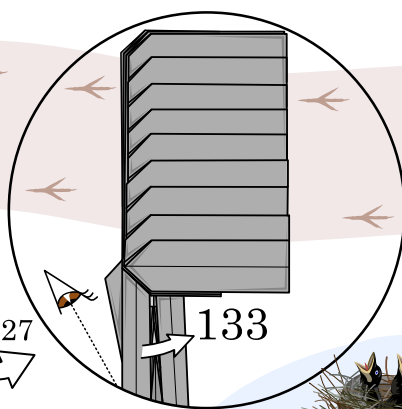






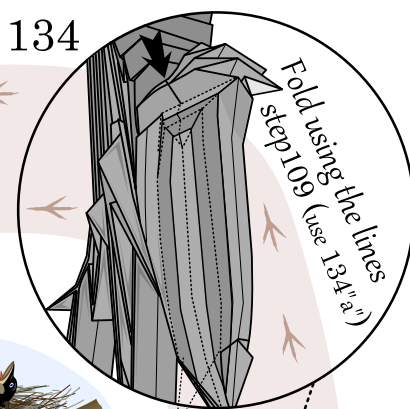
132

repeat 130-131 to all same levels



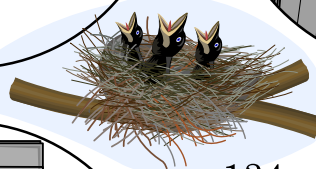
133

to 127

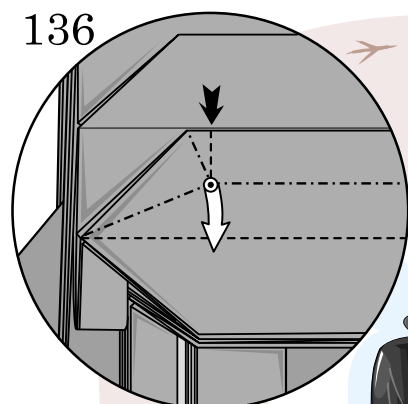


134

Fold using the lines
step 109 (use 134a)

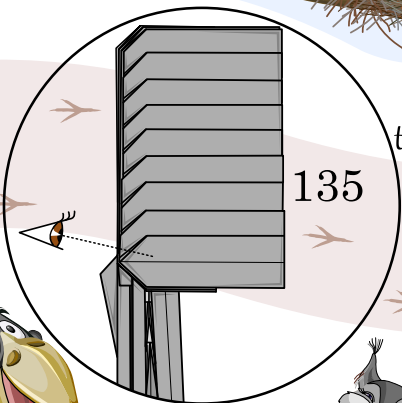


closed sinks



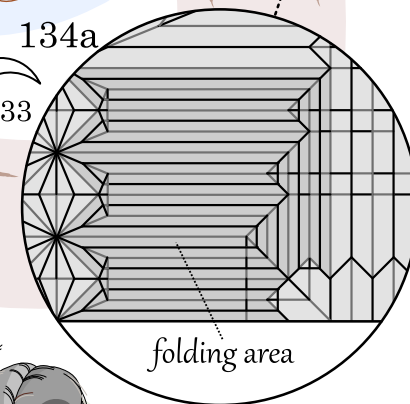
136

repeat steps 53-54



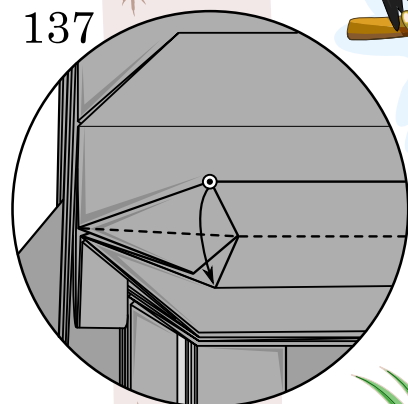
135

to 133

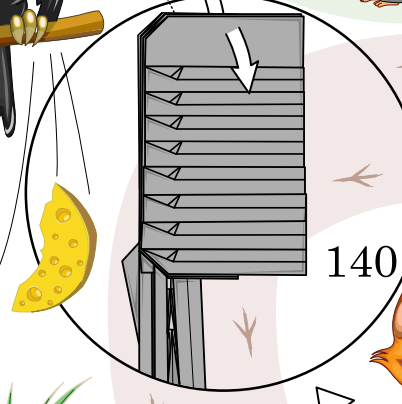


134a

folding area

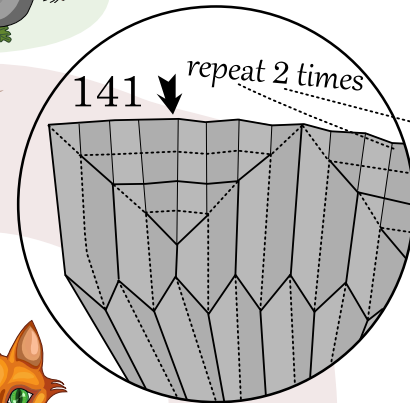


137



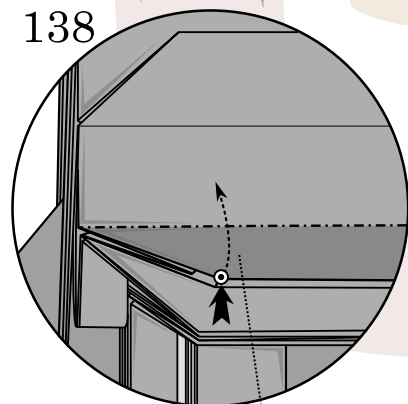
140

to 135



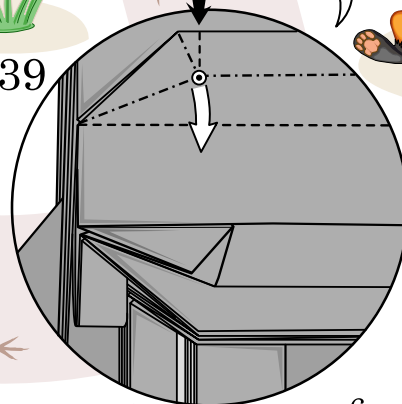
141

repeat 2 times



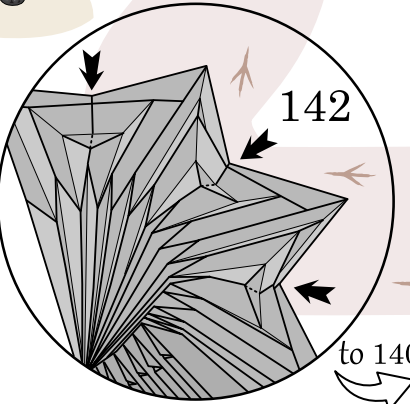
138

closed sink



139

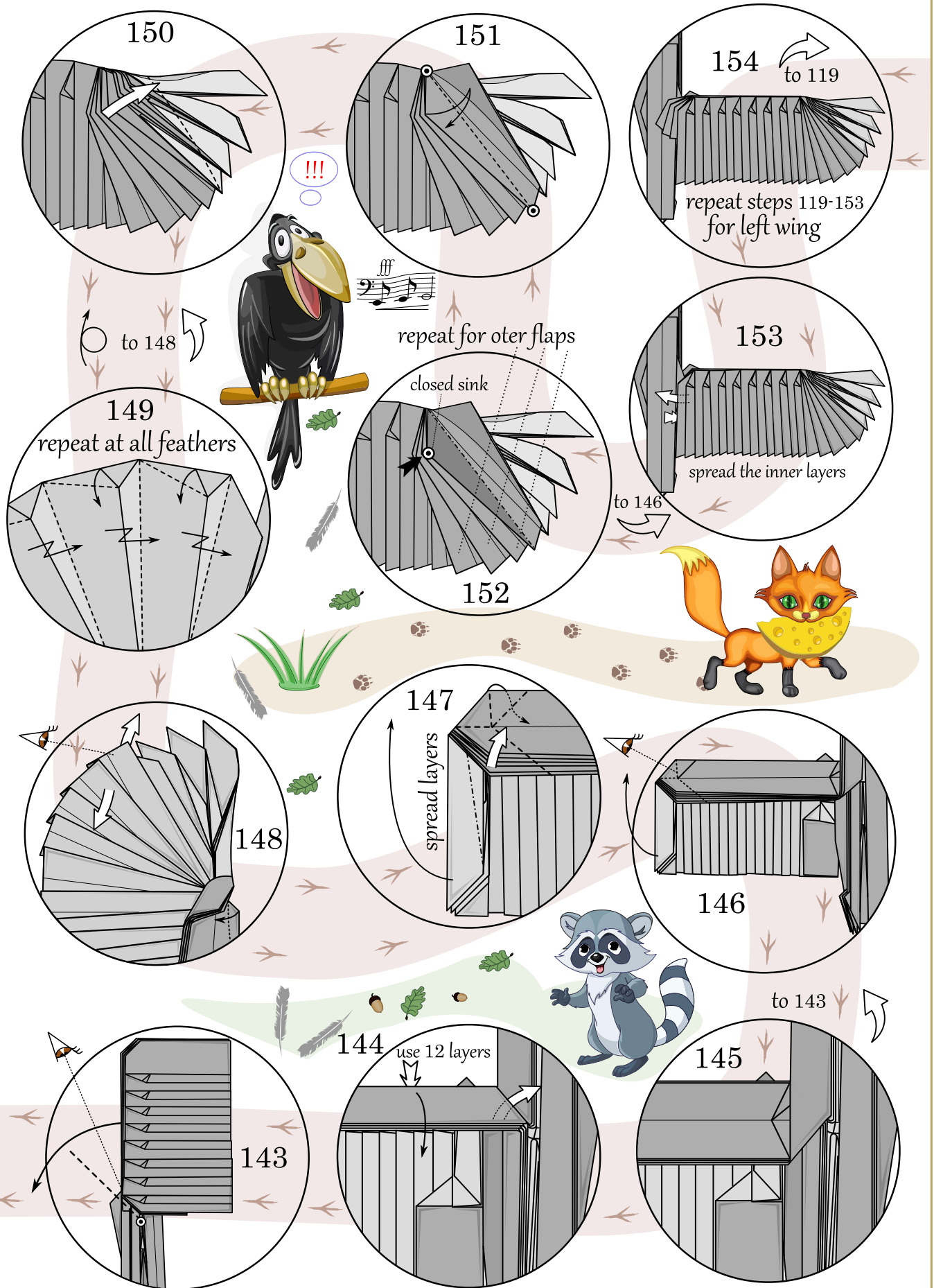
repeat steps 136-138 for
all same layers

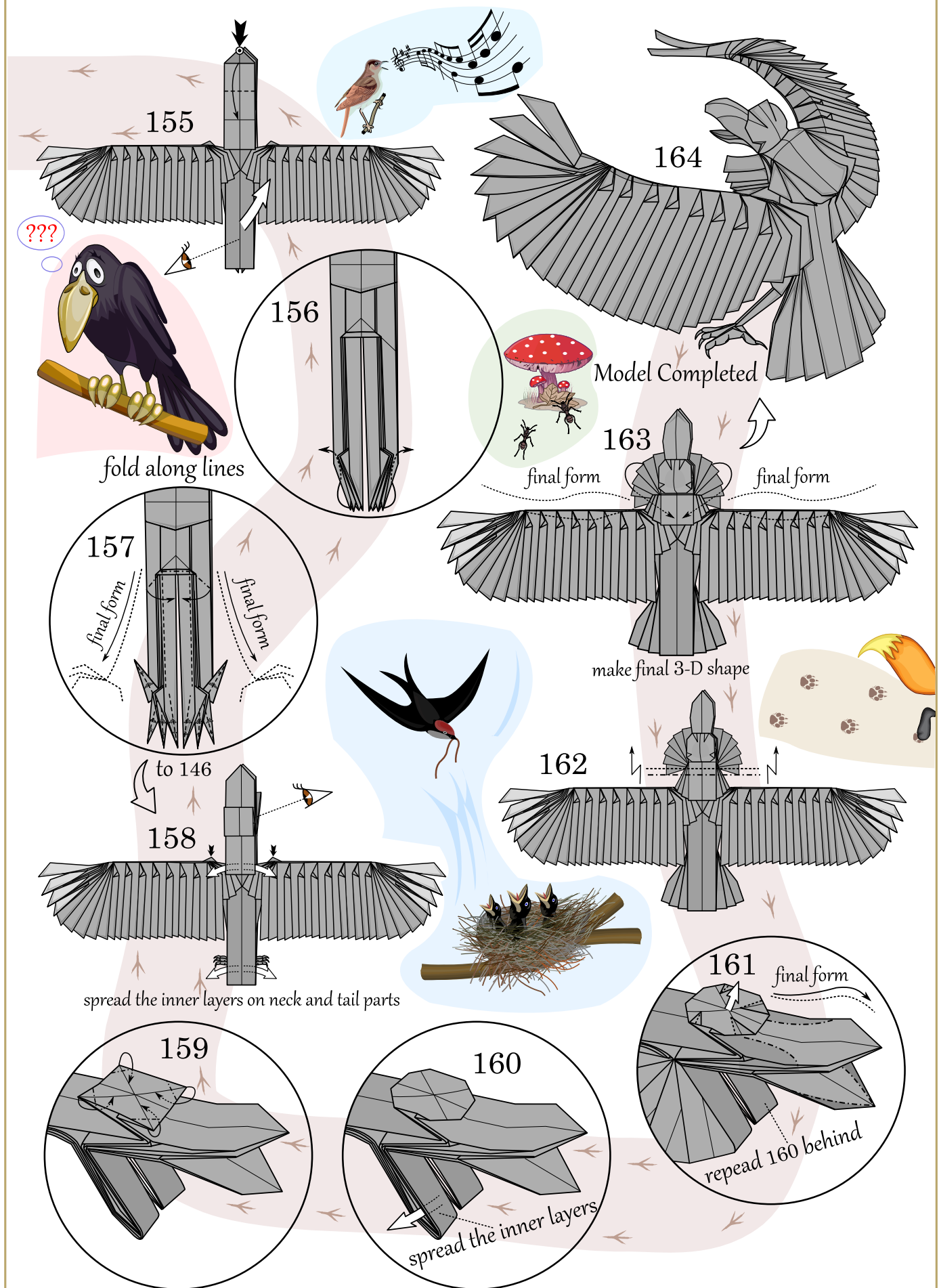


142

to 140

zoom "-"





Task №7

Scorpion

Designed by Artur Biernacki

Difficulty: *****

Paper: 30 g/m²

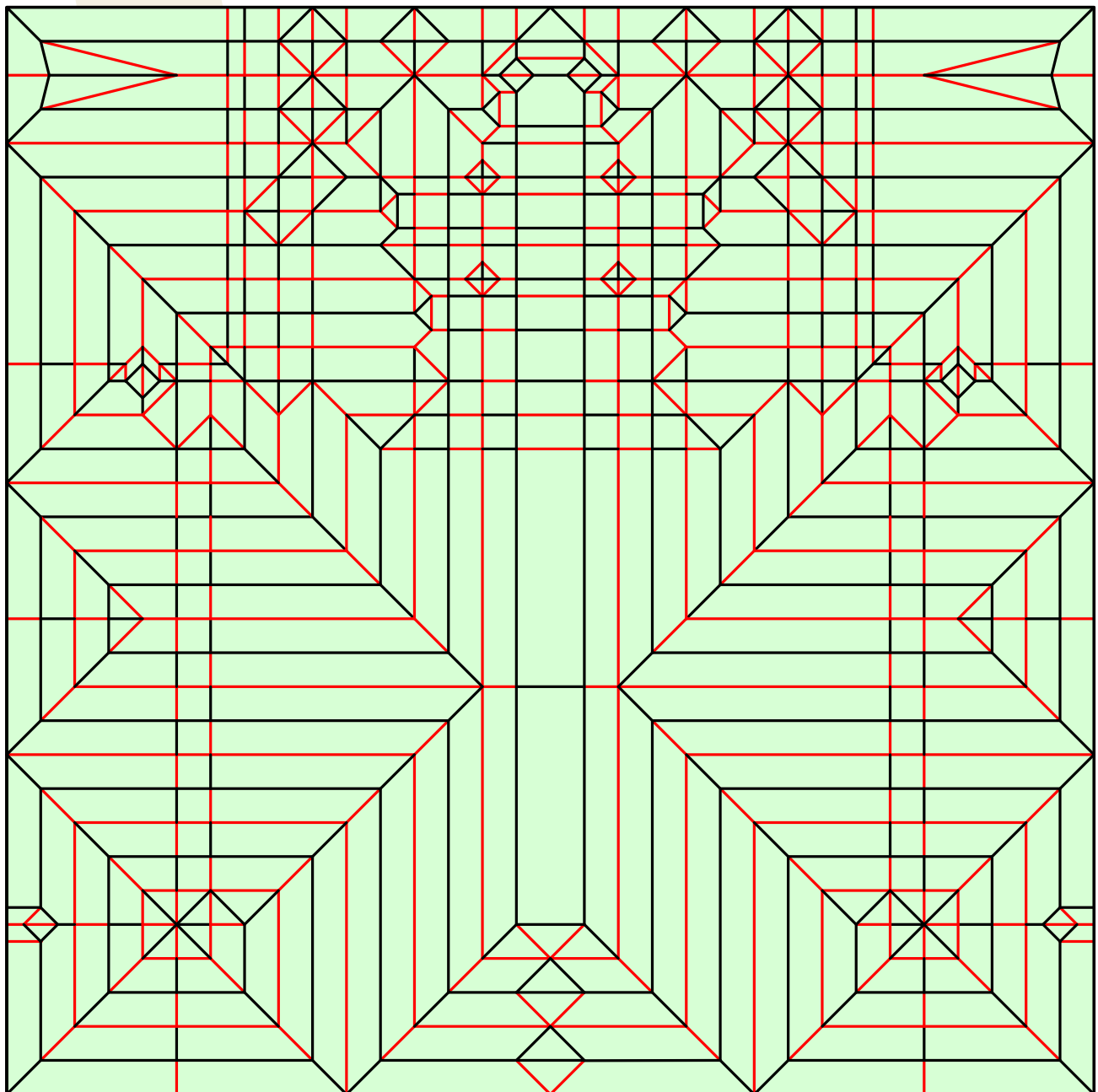
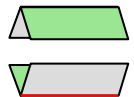
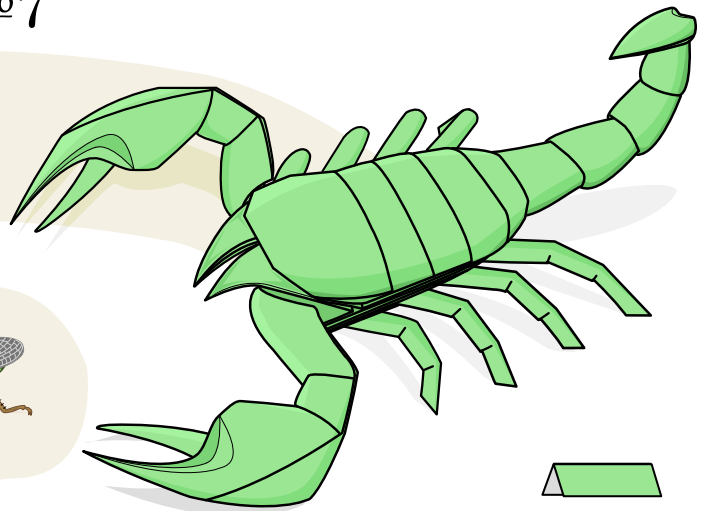
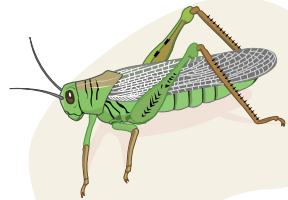
For size: 40 cm - 40 cm

Length: 13 cm

Build time: 3 hours

Max score : 8 points

CP



"Futurica"

Task №8

Designed by Ekaterina Lukasheva

Difficulty: ****

Paper: 80 - 100 g/m²

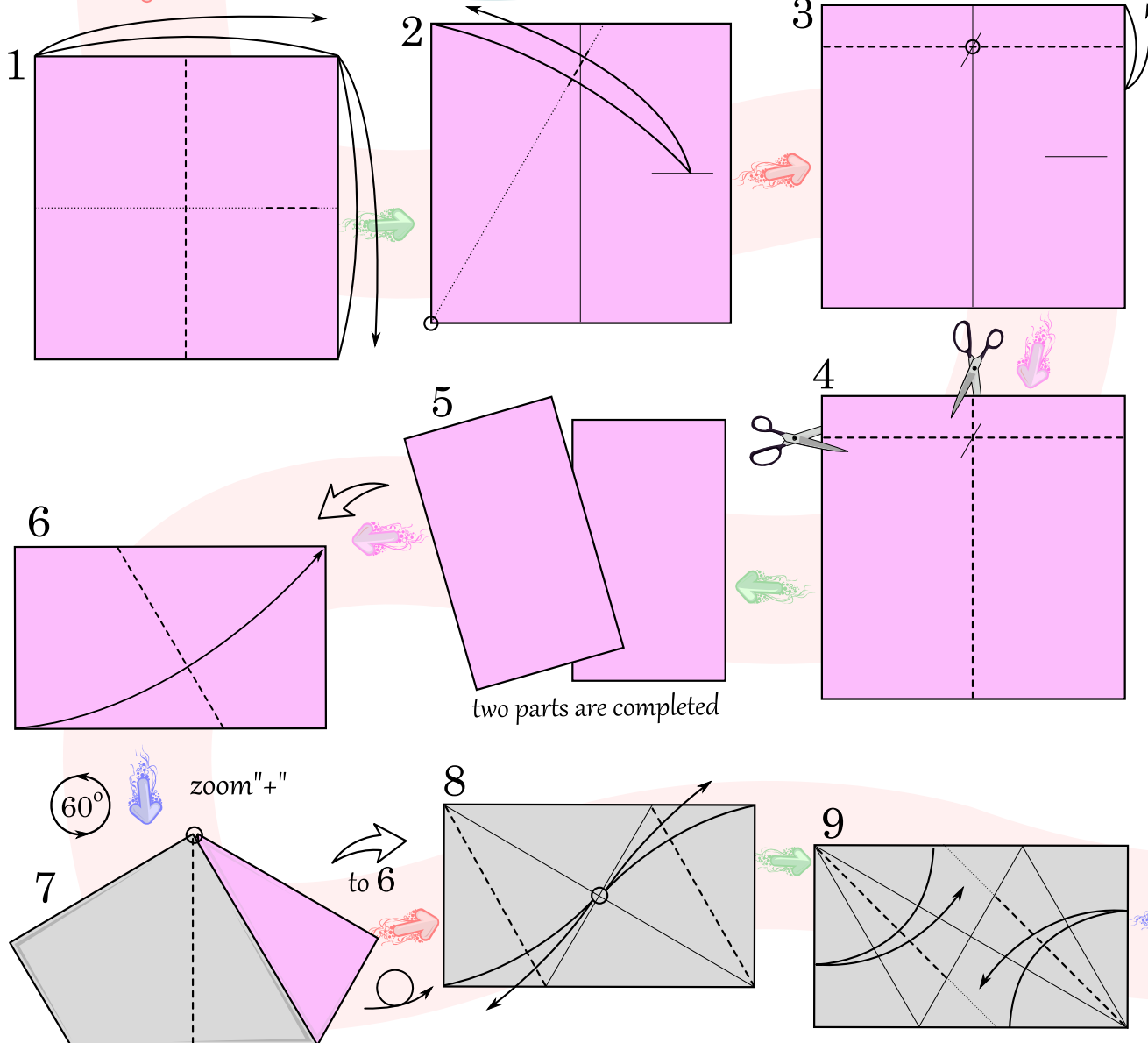
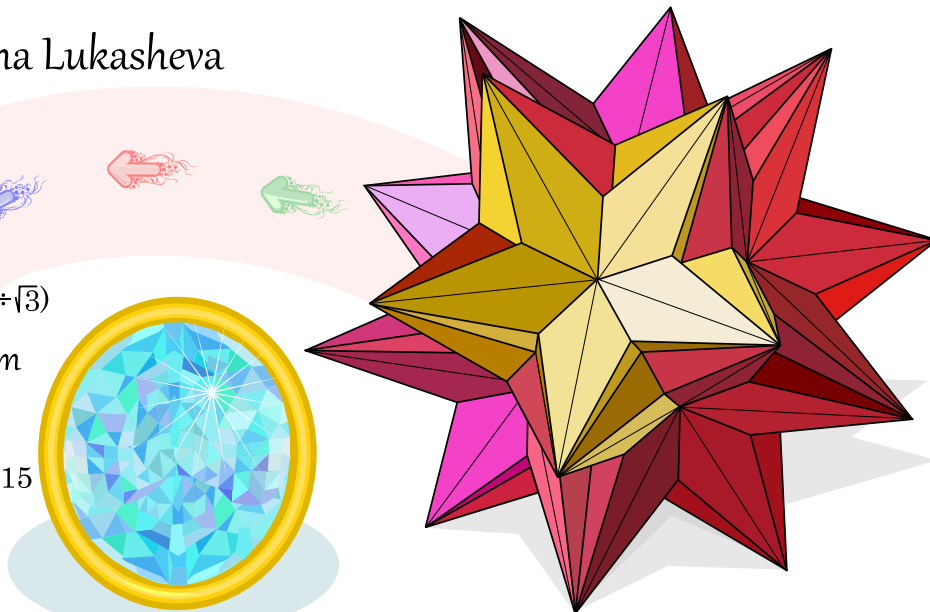
For size: 8,7cm - 15cm; $(1+\sqrt{3})$

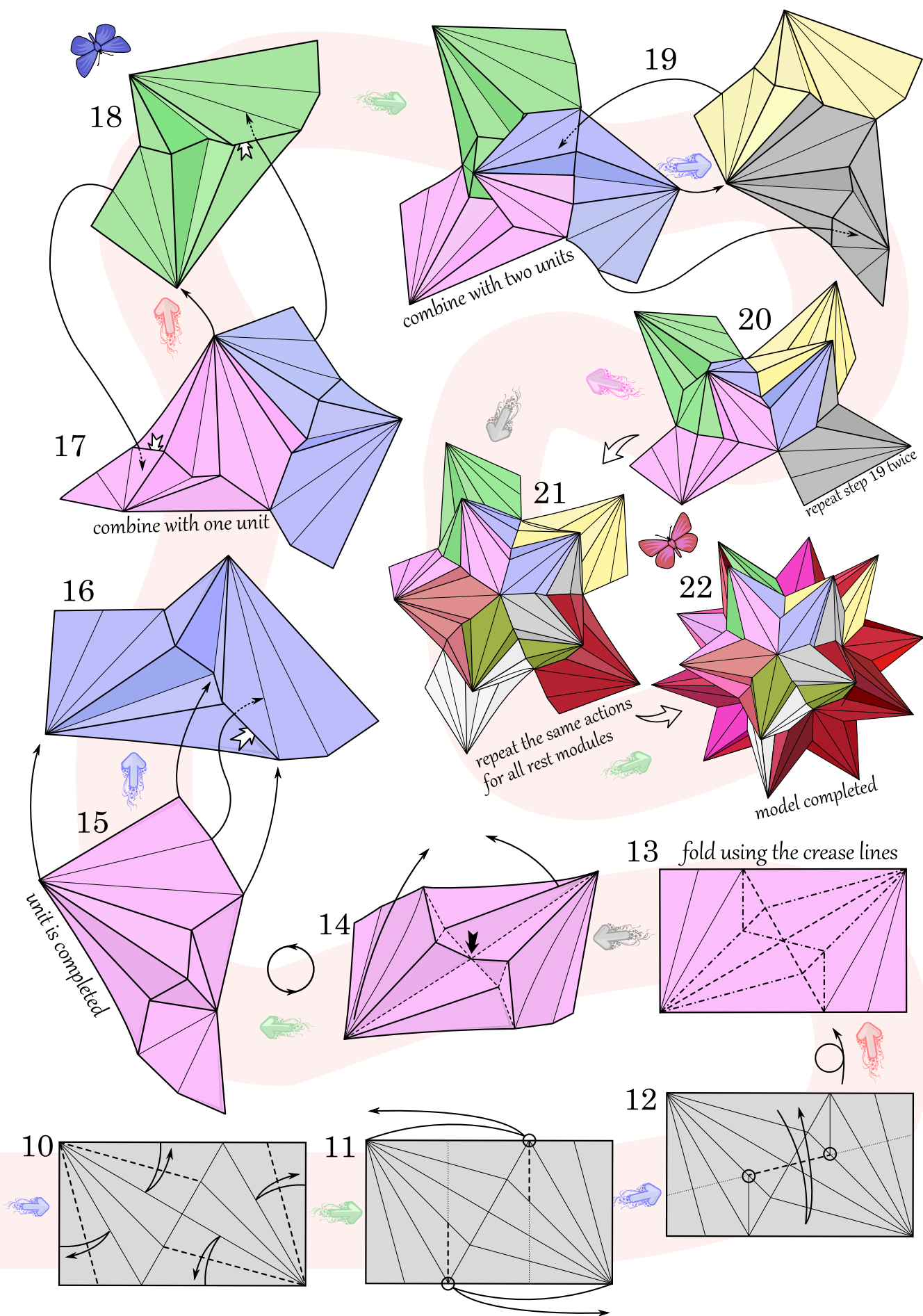
Height of the model: 24 cm

Total amount of units: 30

Total amount of squares: 15

Max score : 7 points





Task №9a

"Iso Area Cross Pattée Tessellation"

Designed by Daniel Kwan

Difficulty: *****

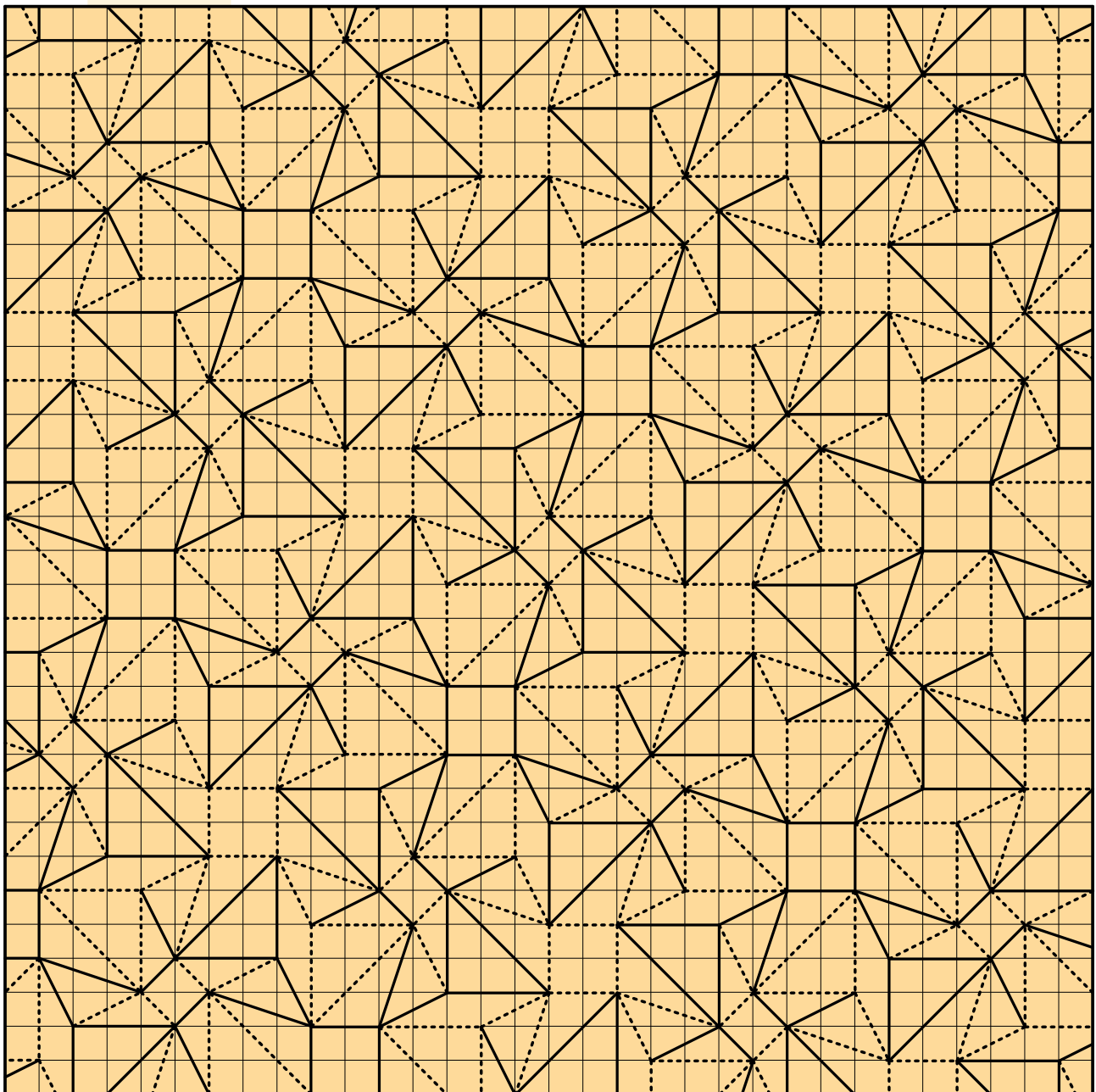
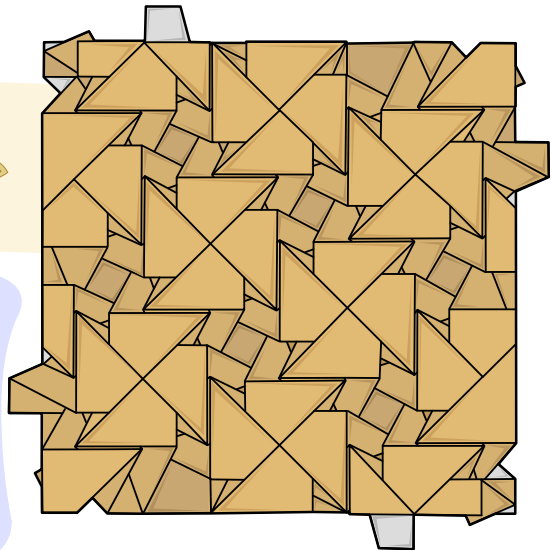
Paper: 40 g/m²

Recommended size: 40 cm - 40 cm

Build time: 90 min.

Max score : 7 points

CP



Task №9b

"Кубики"

Designed by Peter Keller

Difficulty: *****

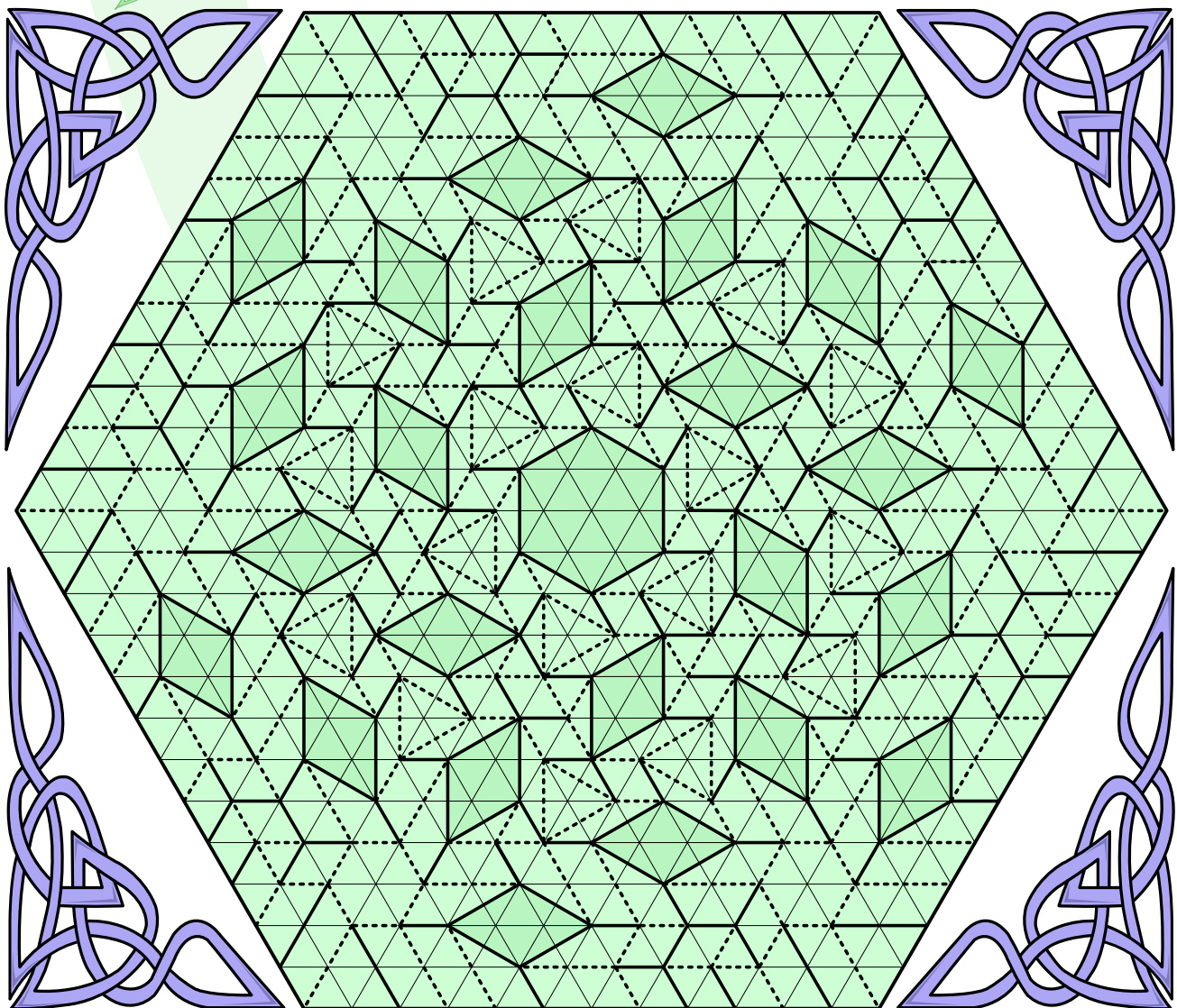
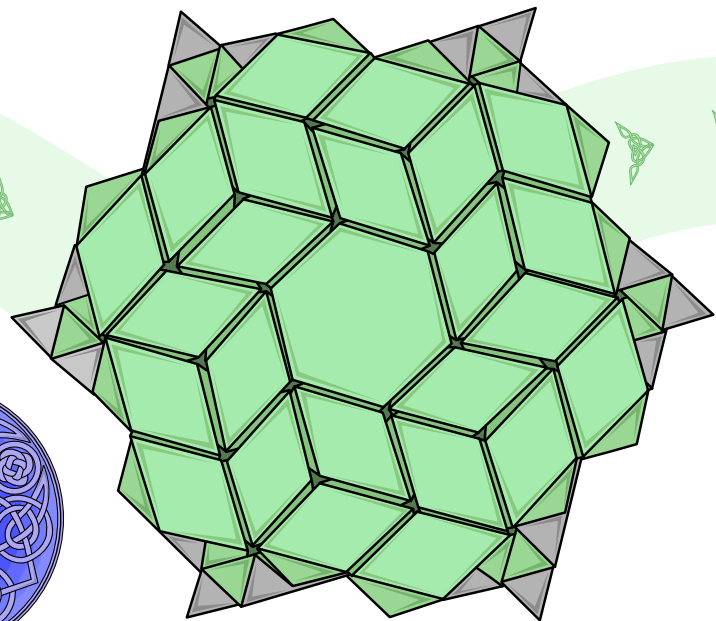
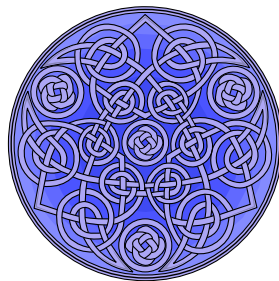
Paper: 40 g/m²

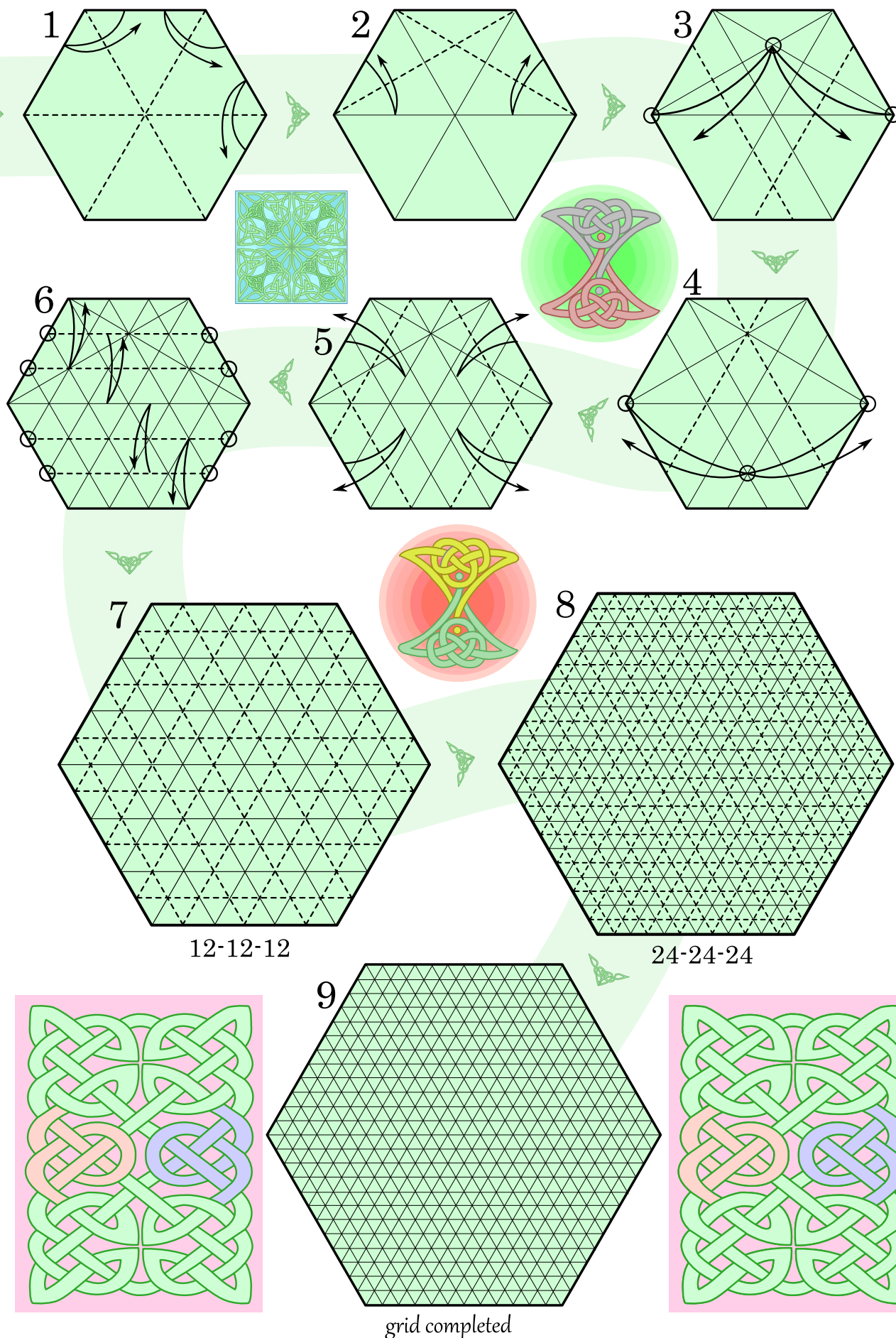
Recommended size, cm: 20-20-20

Build time: 90 min.

Max score : 7 points

CP





Task №9c

"Lotus Flowers"

Designed by Ryoichi Takagi

Difficulty: *****

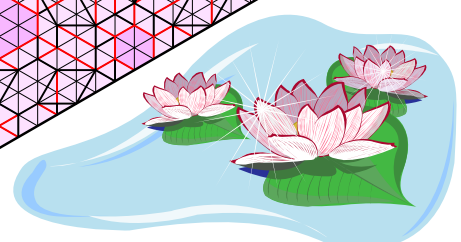
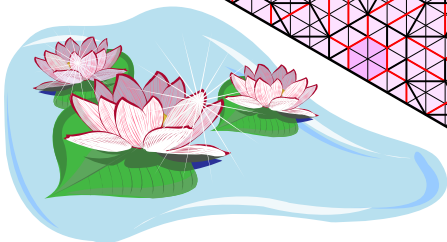
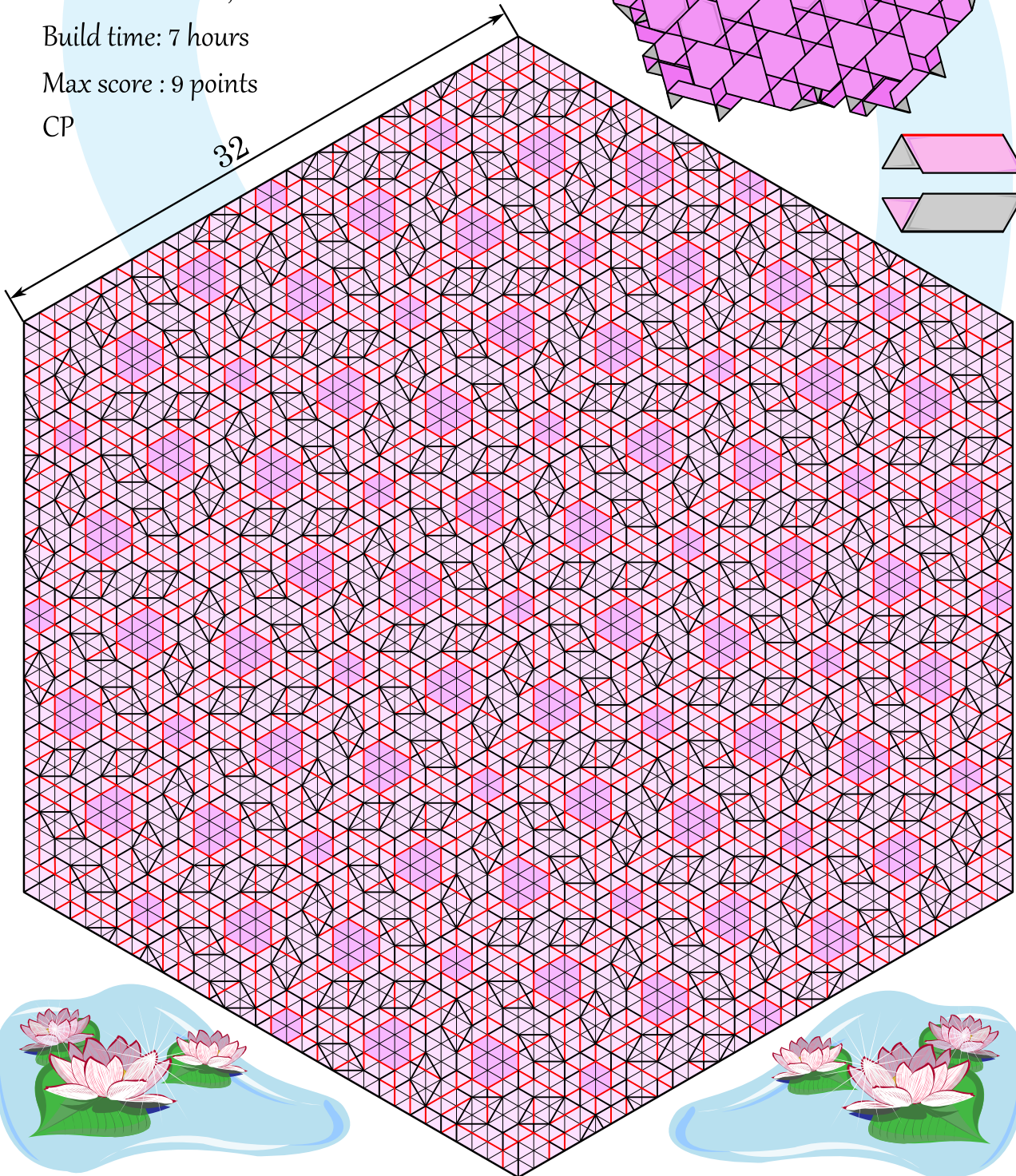
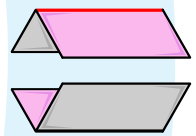
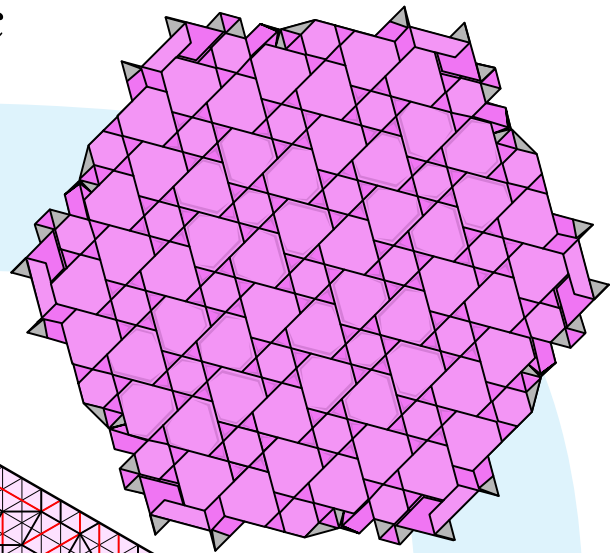
Paper: 40 g/m²

Recommended size, cm: 30-30-30

Build time: 7 hours

Max score : 9 points

CP



Task №10

Butterfly

Designed by Andrey Ermakov

Difficulty: ***** --

Paper: 35 g/m² (two-colored)

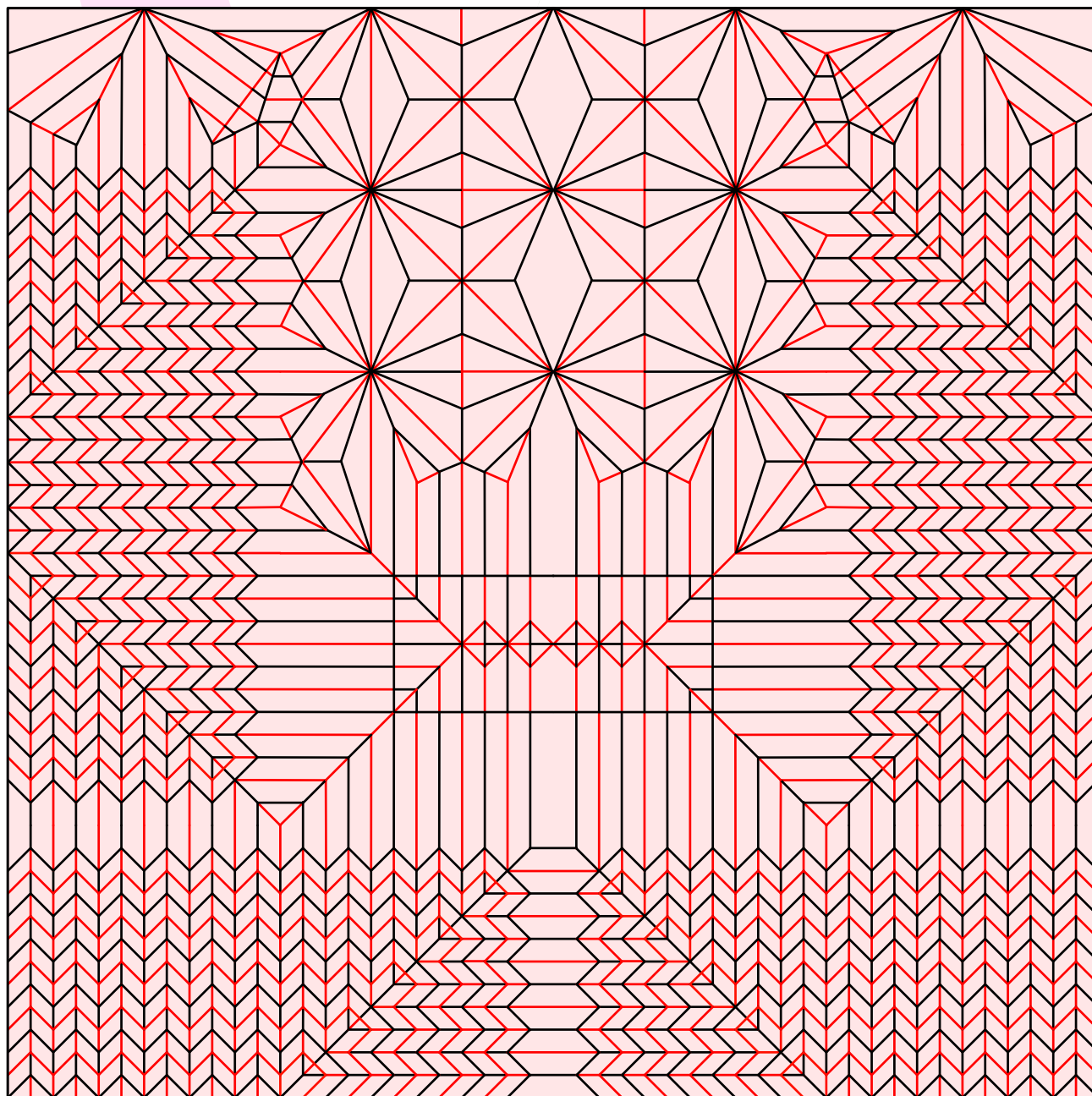
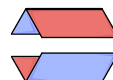
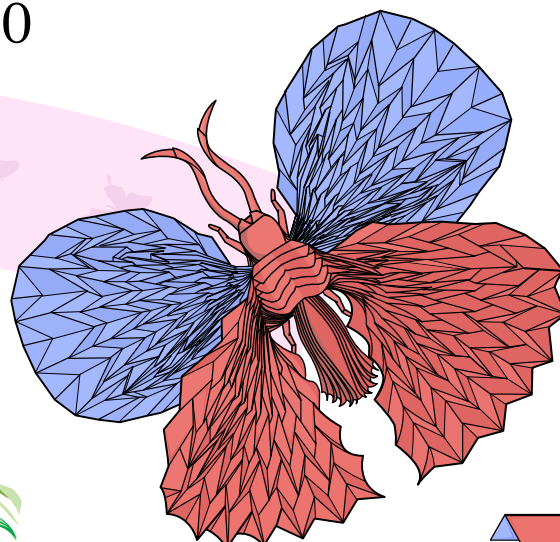
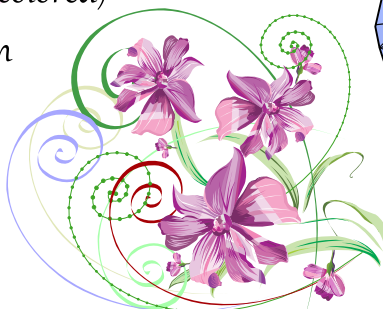
For size: 70 cm - 70 cm

Length: 15 cm

Build time: 7 hours

Max score : 12 points

CP



Task №11

"Ancient civilizations"

Maximum score: 15 points



Explanation: This task is named "Ancient civilizations", and here you must create your own model. This is a very broad topic, which allow not only to demonstrate skills in origami, but also plunge into the history from the beginning of recorded human civilizations to the Early Middle Ages. It may be various specific objects or artifacts of Ancient world. You can create "Mayan pyramid" or "Roman legionary", "Gods" or "Heroes of ancient myths", etc. The work can be created in any style and complexity, but the model must be done in accordance with rules below.

Rules:

- one sheet of square or rectangle;
- no cut;
- no painting colors on afterwards;
- no varnishing, glossing;
- no Photoshop (etc.) correction of photo;
- only one "own model" will be judged;
- CP or any information about model should be included for rules control;
- the Photo or internet link to the image of folding object should be included;
- MC+paper, foil-paper, wet-fold is allowed.

Good luck!

The End

Andrey Ermakov

2012

