

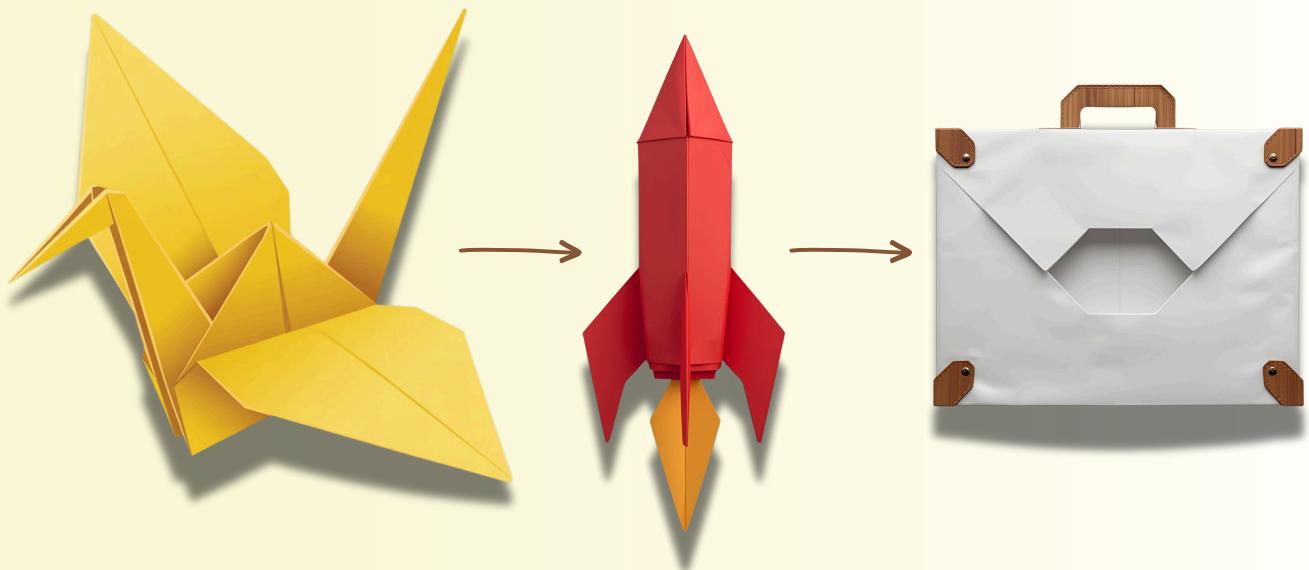


THE ORIGAMI JOURNEY FOR BEGINNER

FROM PLAY



TO PURPOSE



Md. Mahabub Alam Towhid Sikder



The Origami Journey: from play to purpose

Creativity meets Engineer and Business-
a foldable path to imagination, innovation, and
inspiration.

Created By: Md. Mahabub Alam Towhid Sikder
Presented By: "Origami Universe"

Junior Origami

“Learn with Fun”

Purpose:

Its goal is to build creativity, patience, and fun learning.

Also, it improves hand-eye coordination, focus, and confidence.

Materials Needed: Colored paper and glue

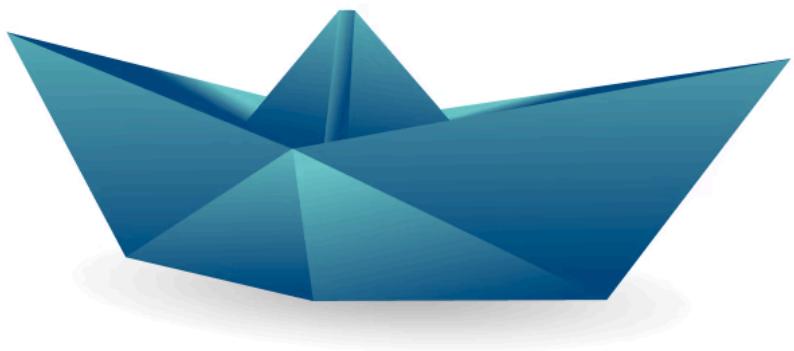
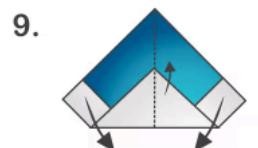
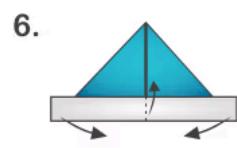
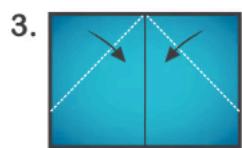
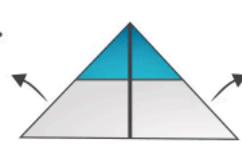
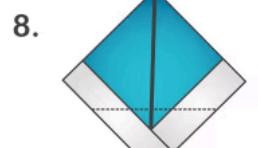
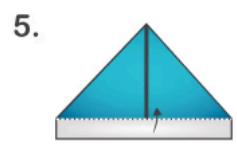
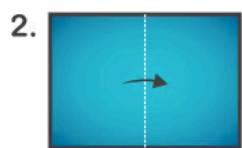
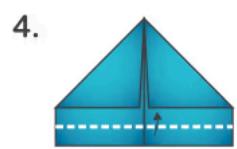
Junior Origami: 10 Patterns



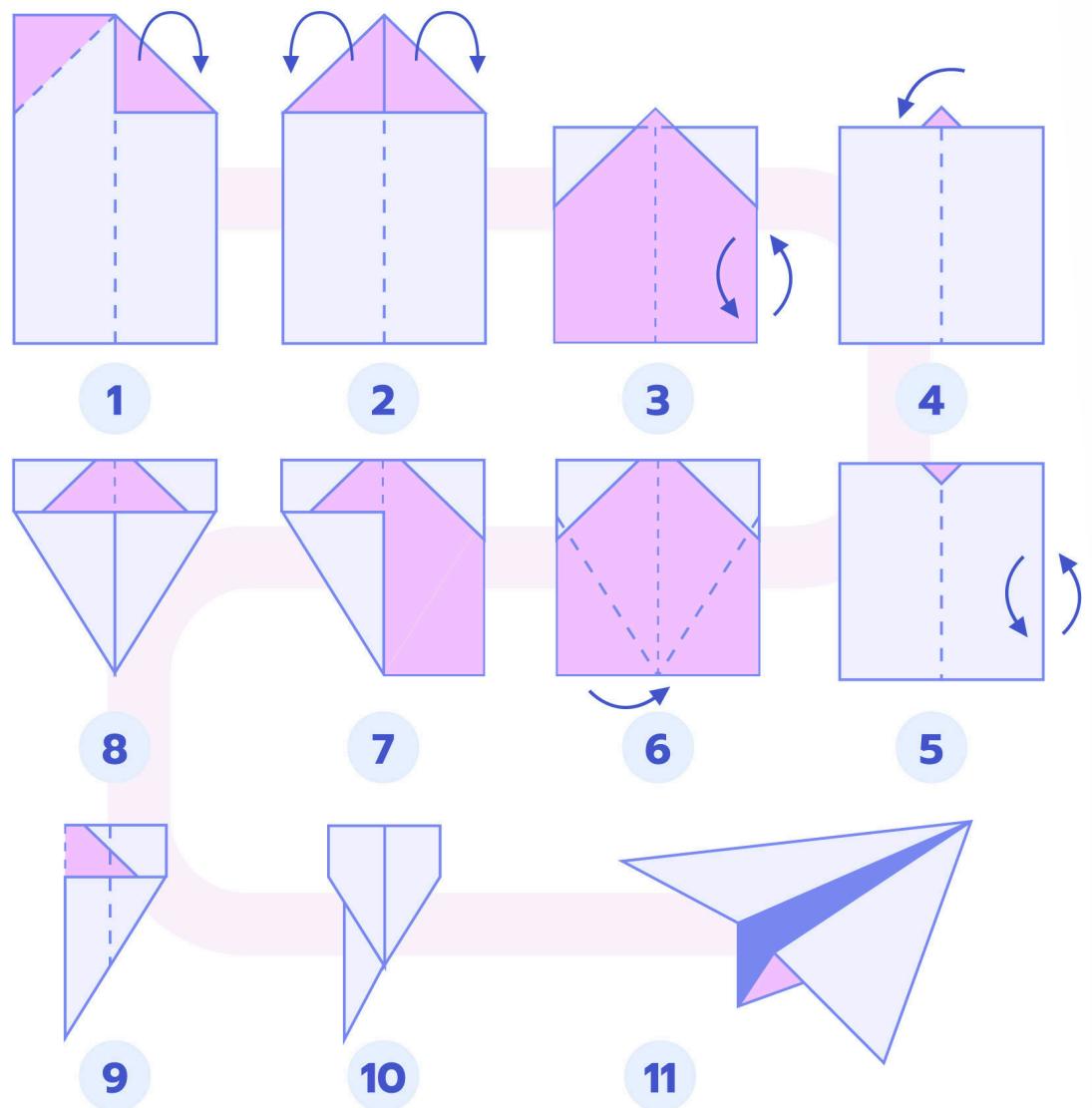
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- **Paper Boat..... 6**
- **Paper Airplane..... 7**
- **Dog Face..... 8**
- **Crane..... 9**
- **Tulip Flower..... 10**
- **Butterfly..... 11**
- **Jumping Frog..... 12**
- **Penguin..... 13**
- **Bag..... 14**
- **Heart..... 15**

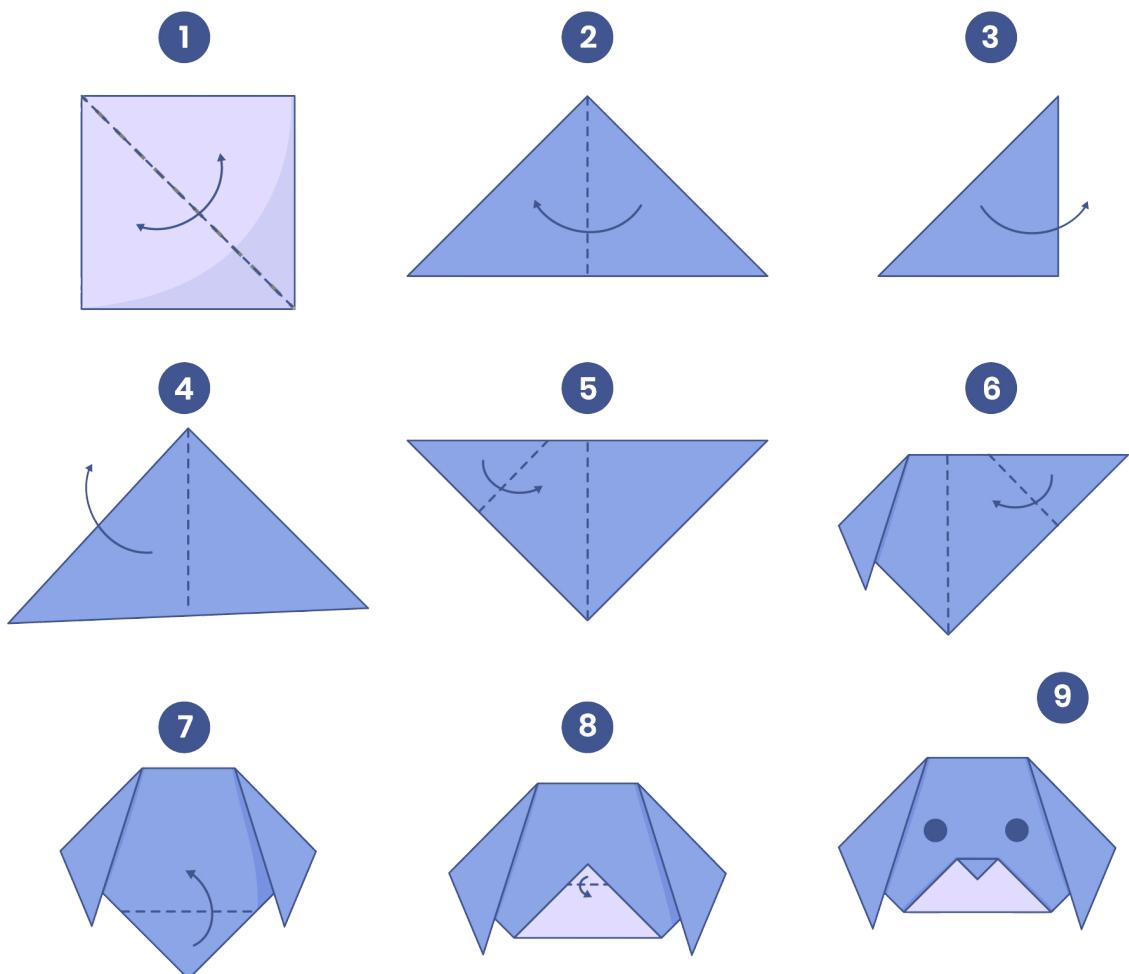
Origami Boat Making Steps



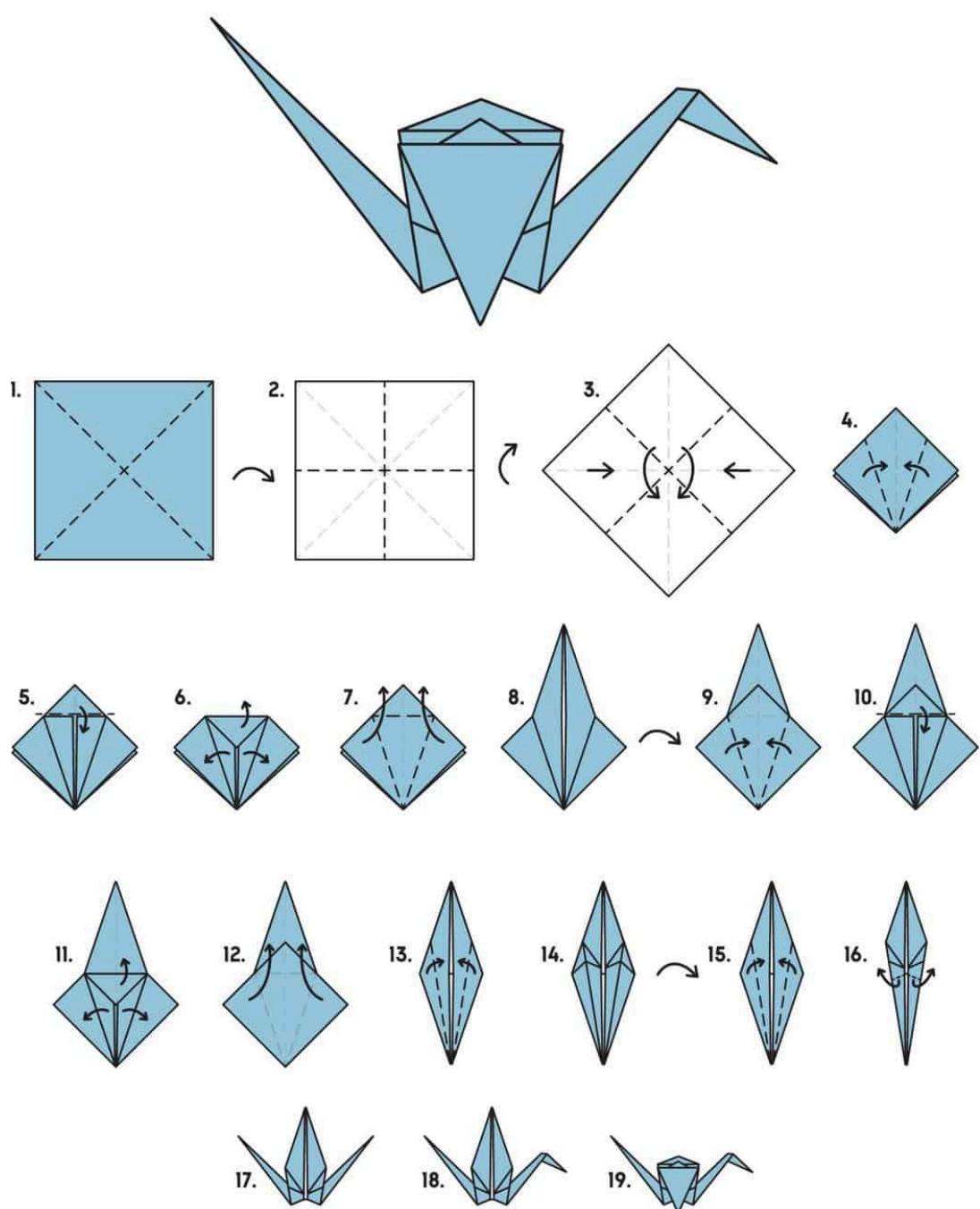
Origami Plane Making Steps



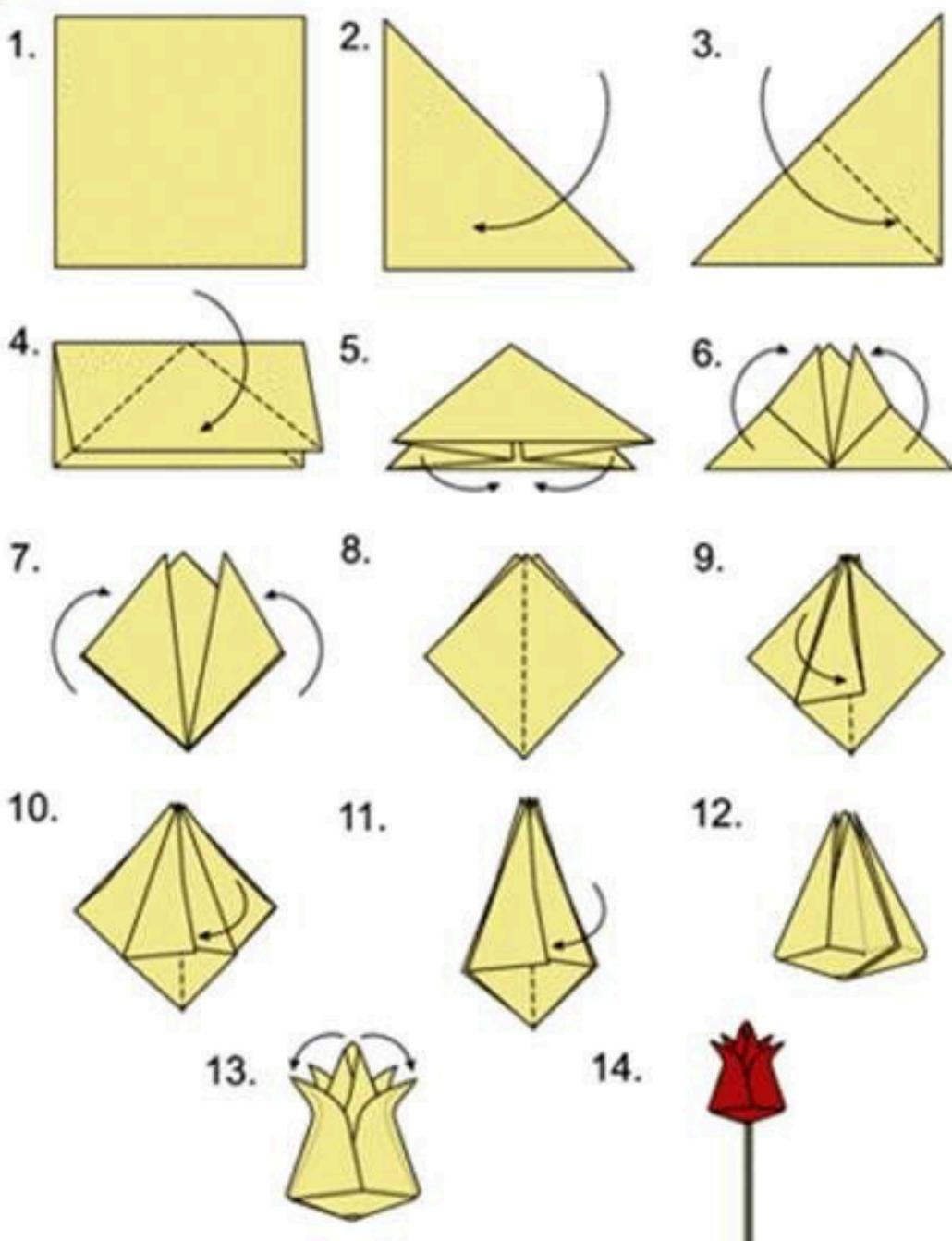
Origami Dog Face Making Steps



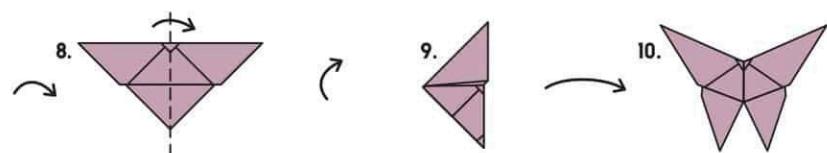
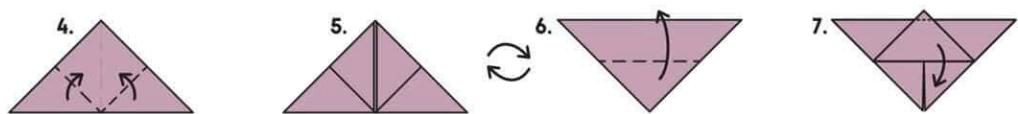
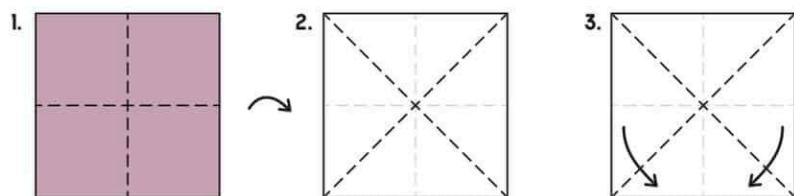
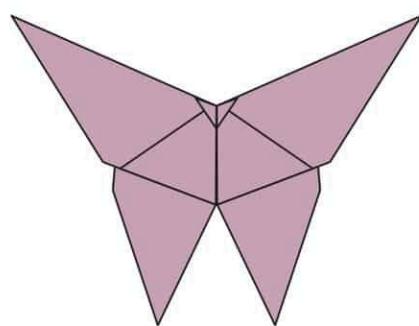
Origami Crane Making Steps



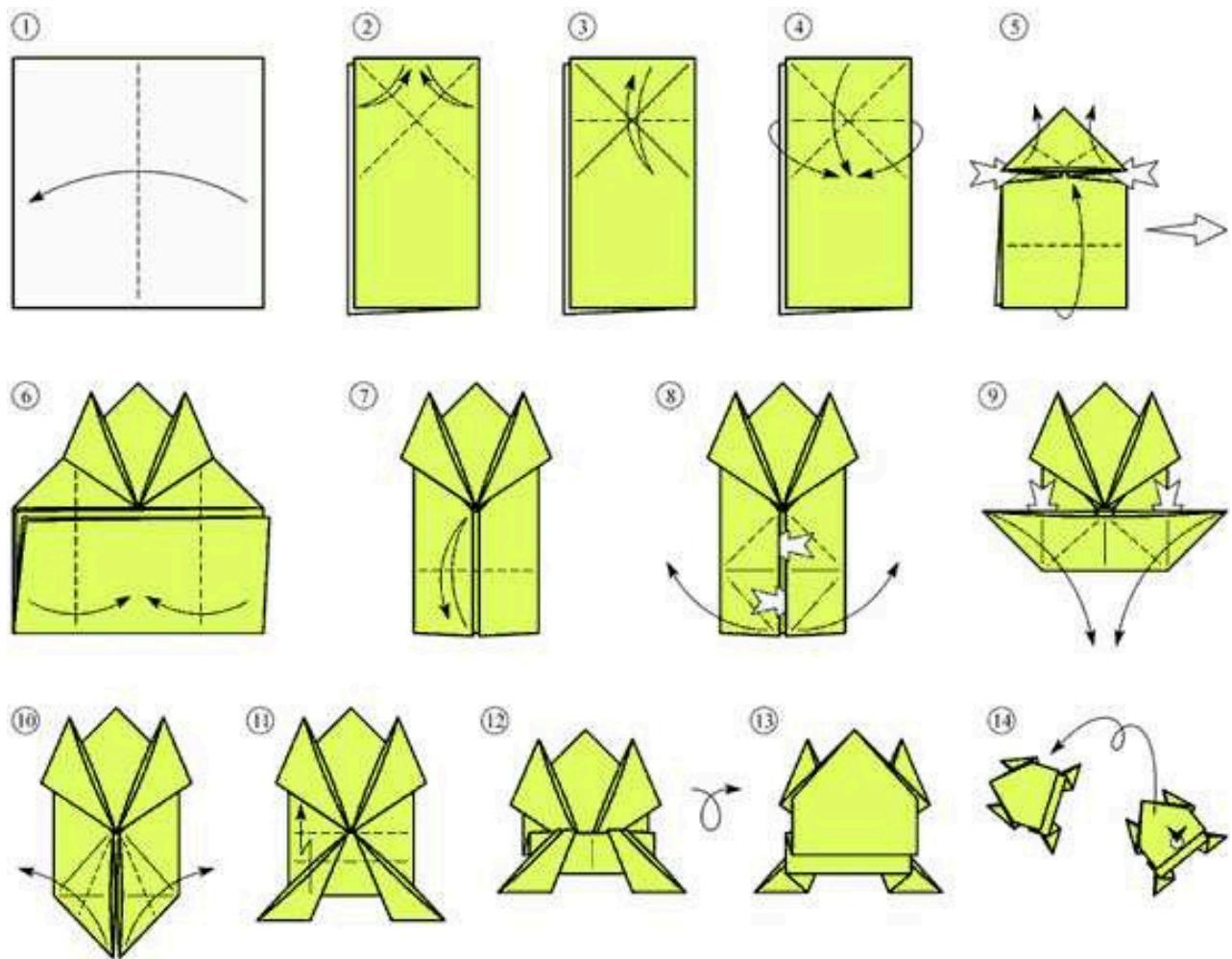
Origami Tulip Flower Making Steps



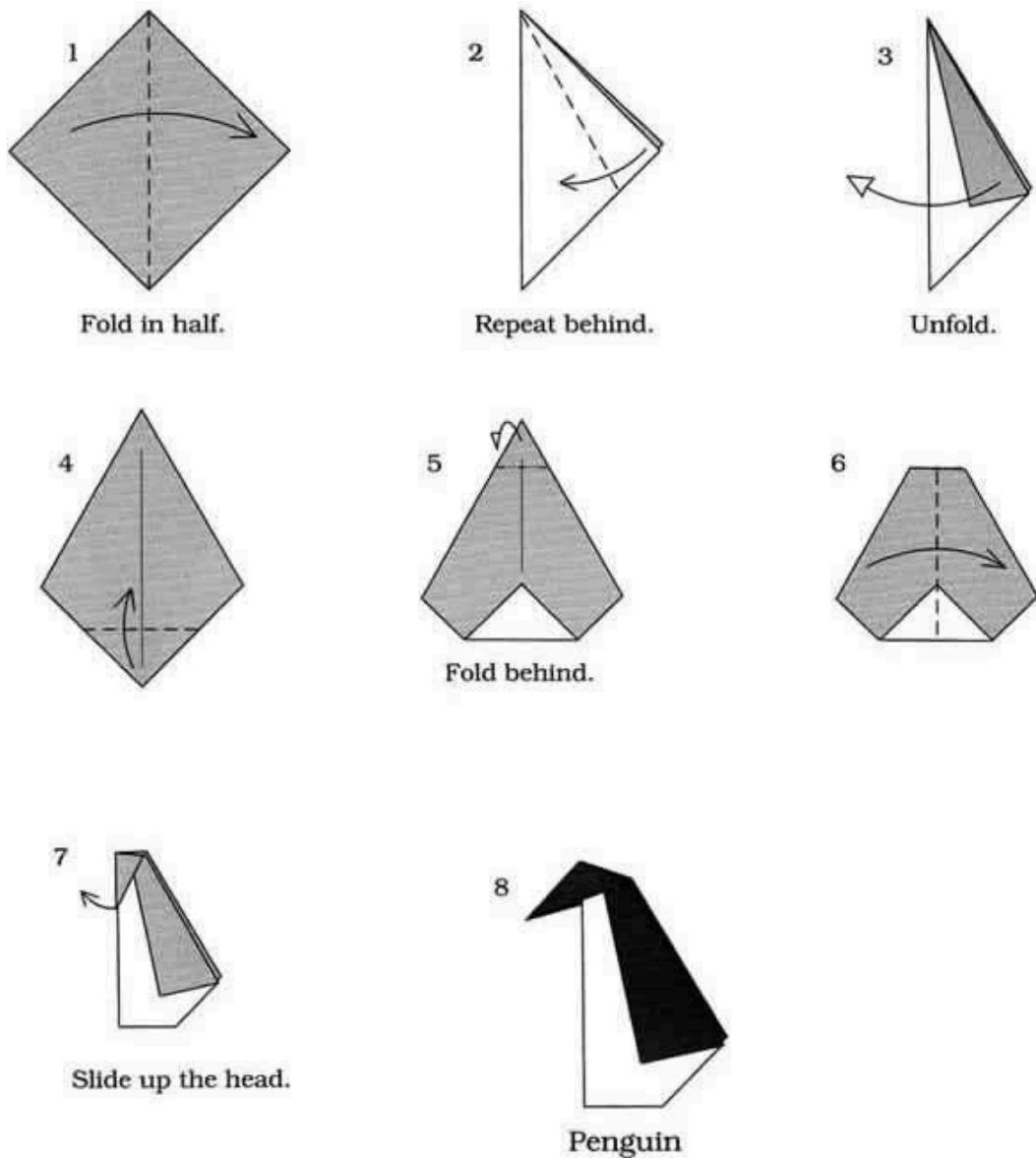
Origami Butterfly Making Steps



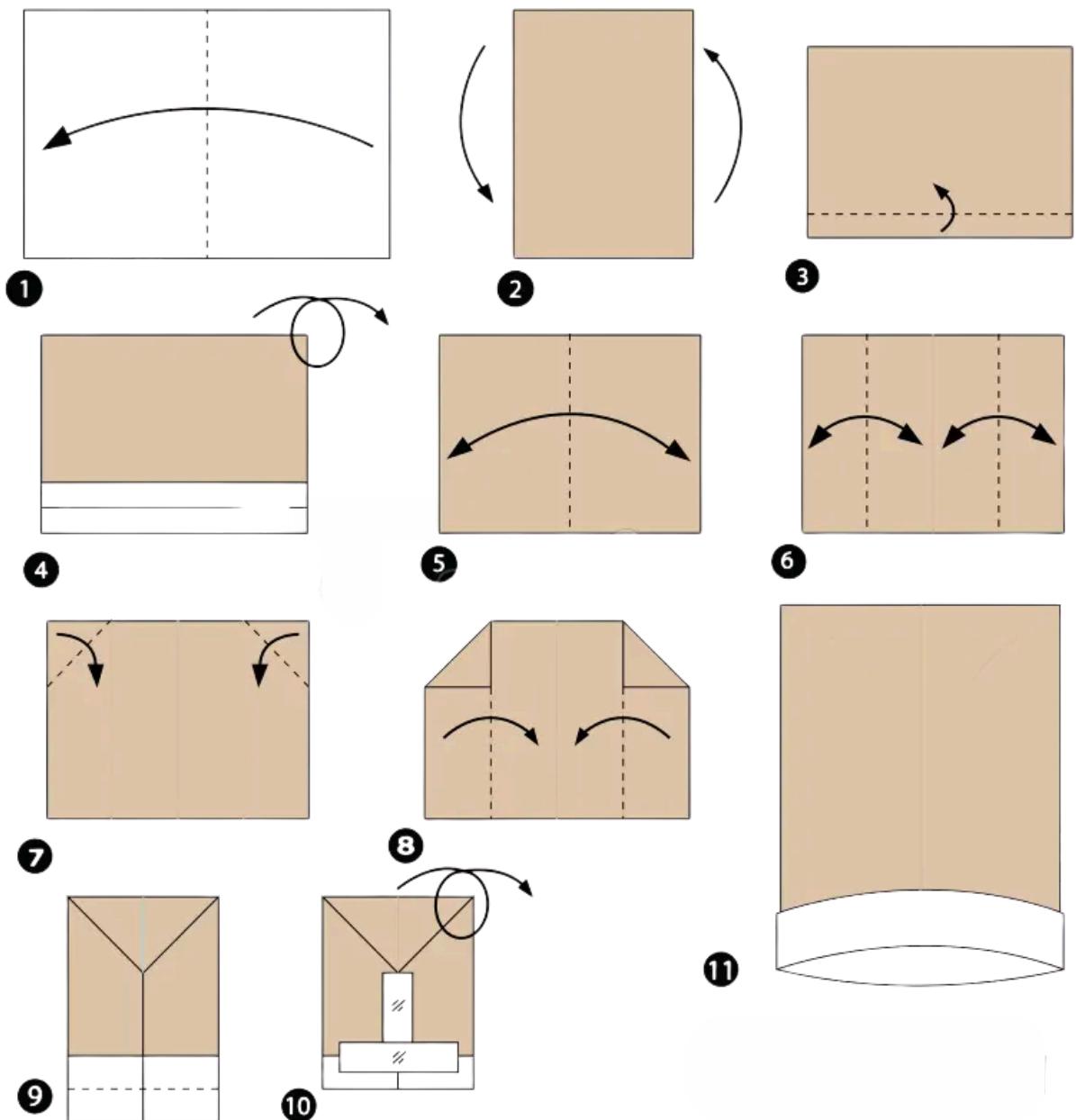
Jumping Origami Frog Making Steps



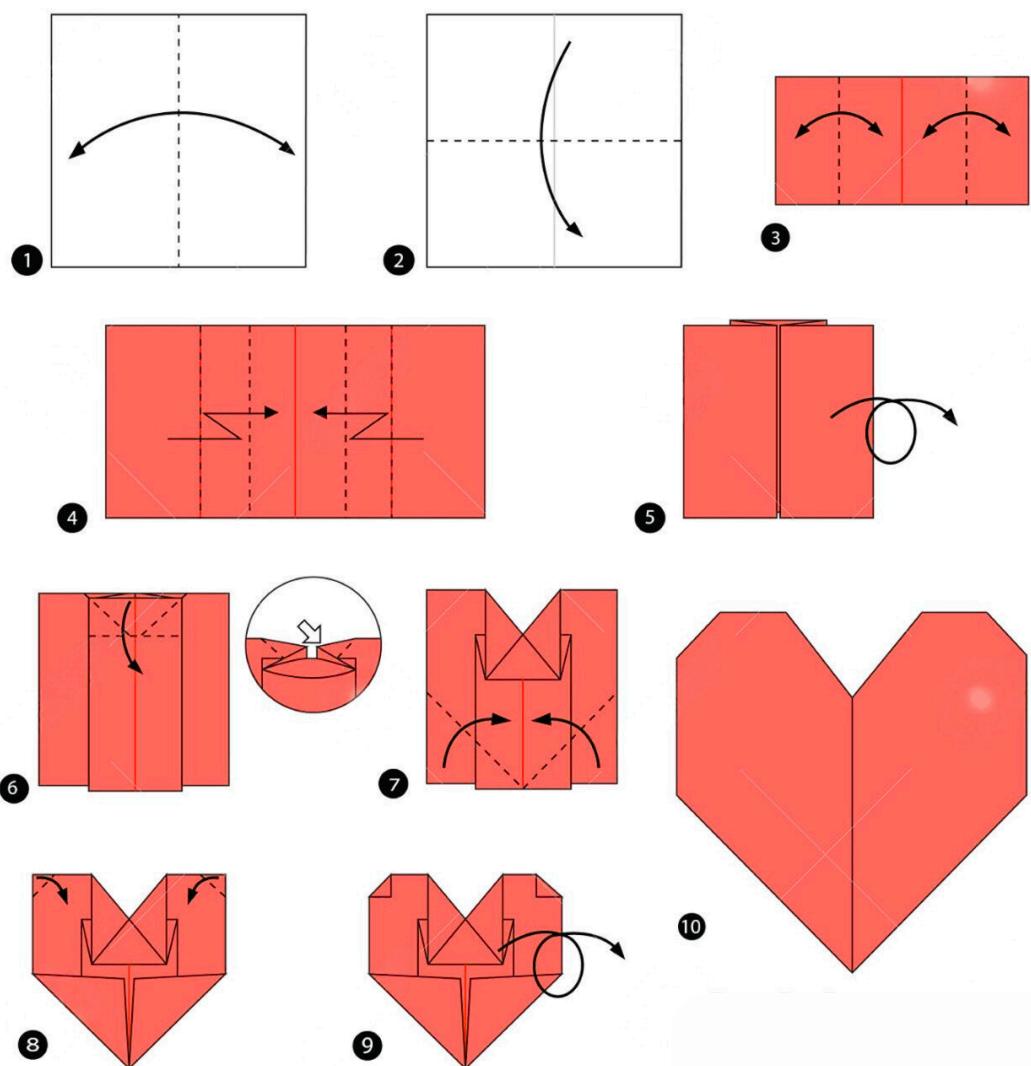
Origami Penguin Making Steps



Origami Bag Making Steps



Origami Heart Making Steps



Engineer Origami

“Fold the Future”

Purpose:

Its goals are to teach design, thinking, geometry, and logic through folding.

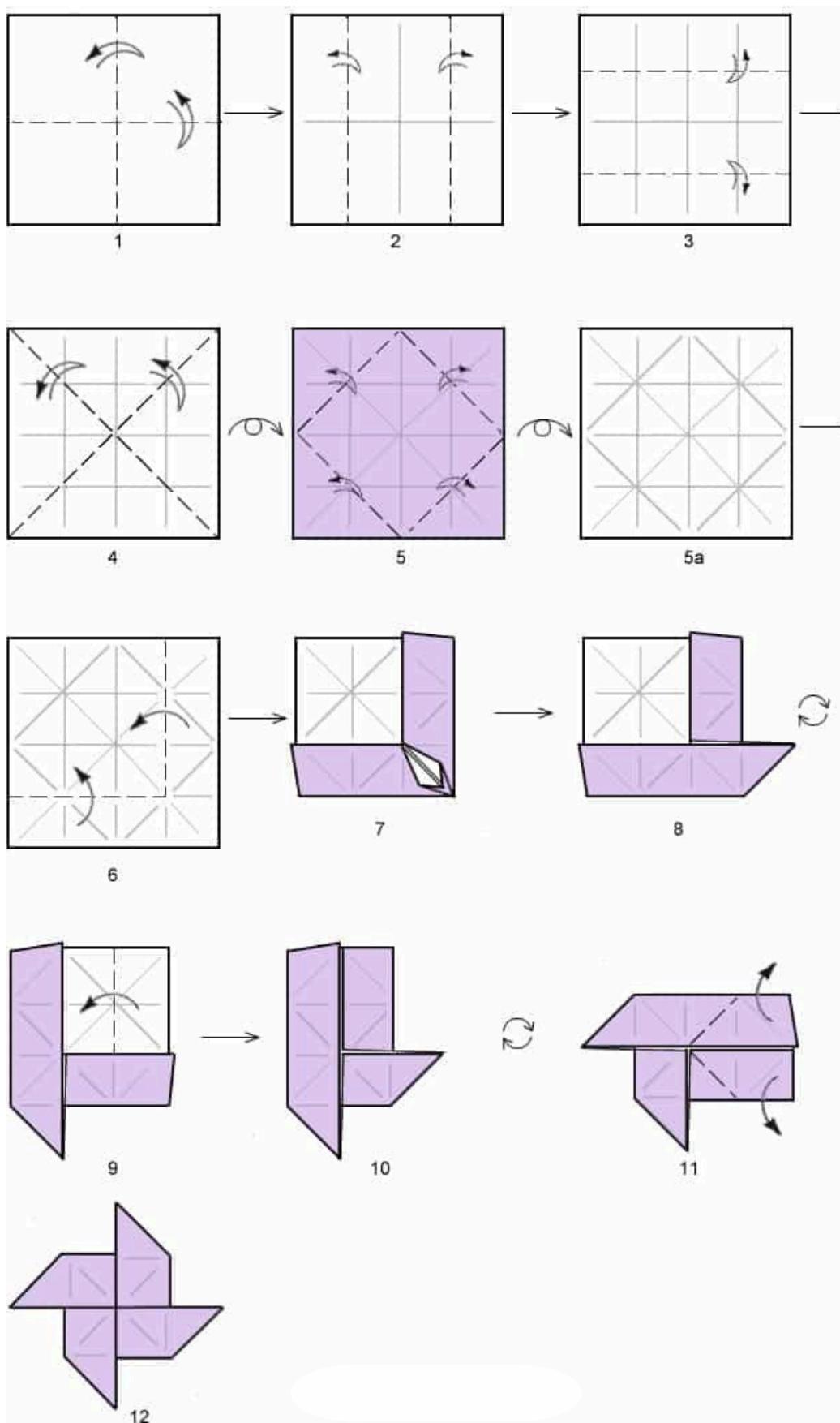
Materials Needed: Colored paper, scissors, glue, pencil, hardboard paper, thin rope.

Engineer Origami: 7 Patterns

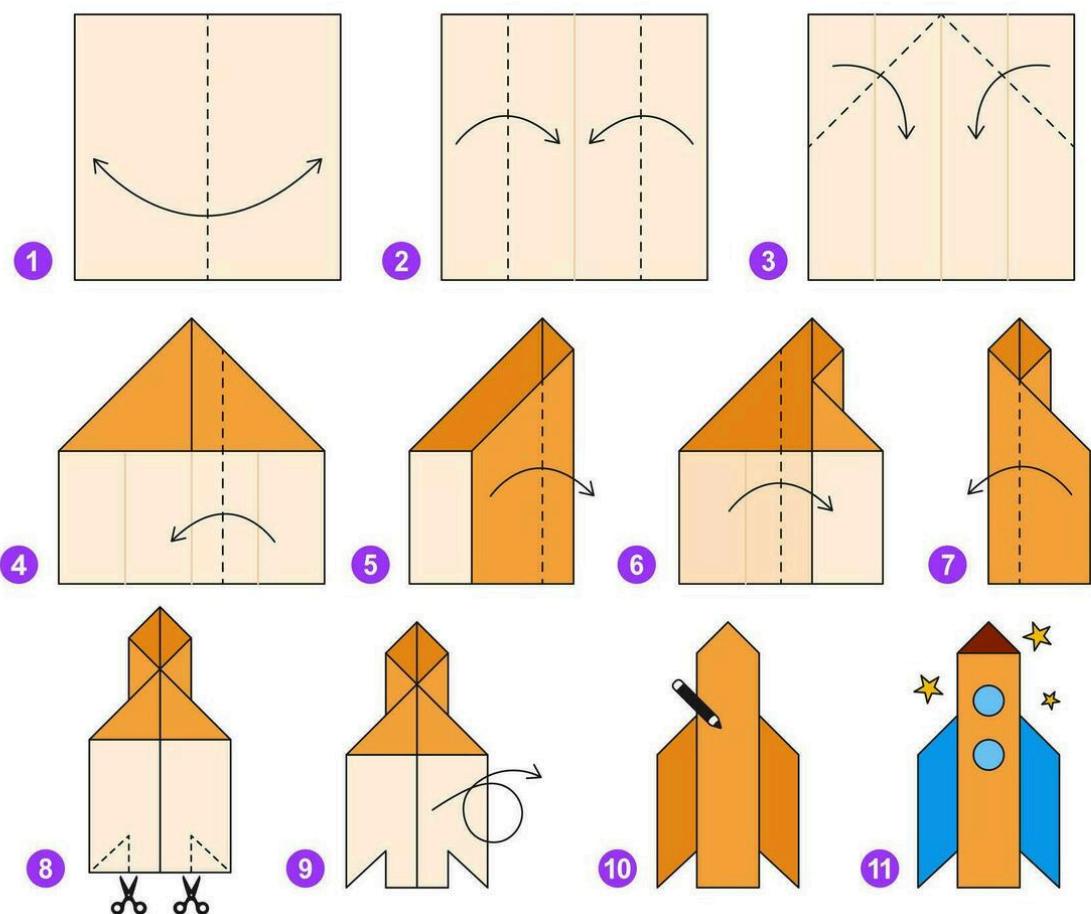


- **Windmill..... 18**
- **Rocket..... 19**
- **Folding Dome..... 20**
- **Hang Glider..... 21-28**
- **Bridge(basic paper truss model)..... 29**
- **Engineer Logo..... 30**
- **Origami Solar System..... 31**

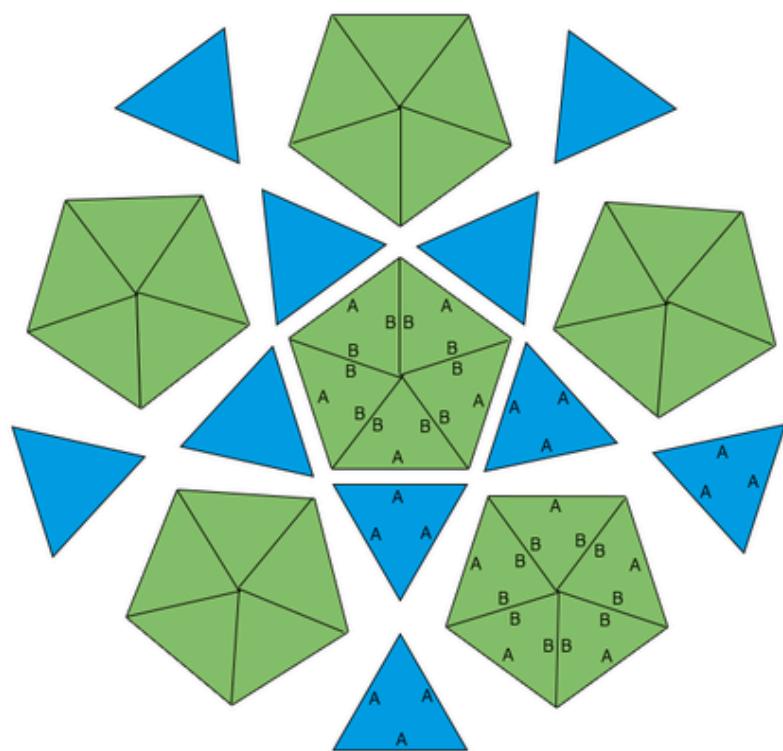
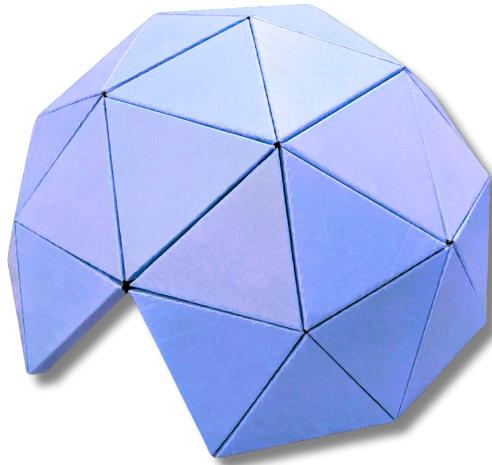
Origami Windmill Making Steps



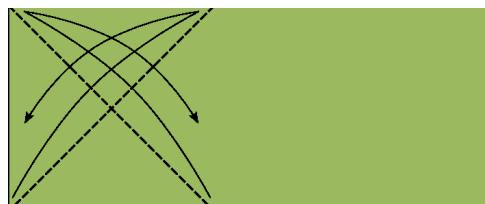
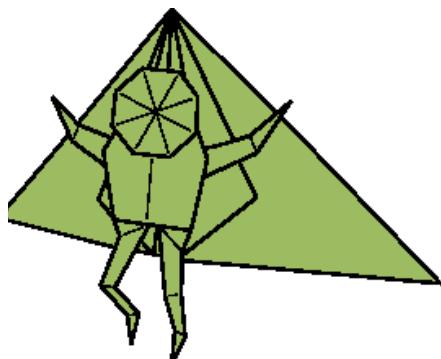
Origami Rocket Making Steps



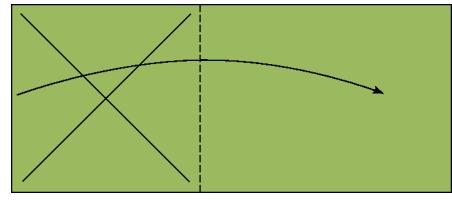
Folding Dome House Making steps



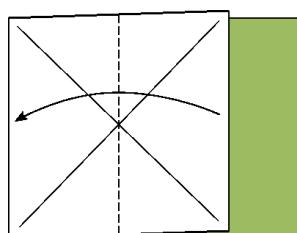
Hang Glider Origami Making Steps



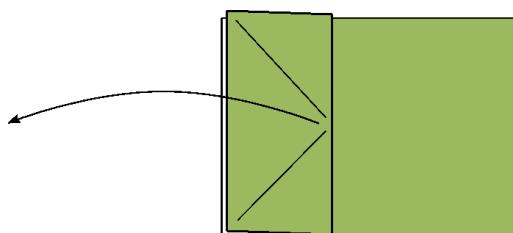
1. Fold and unfold the diagonals.



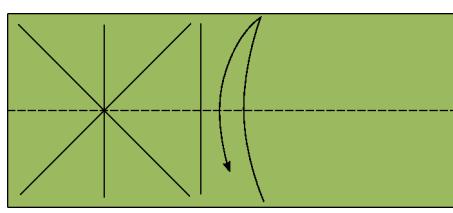
2. Fold across using the diagonals as a reference.



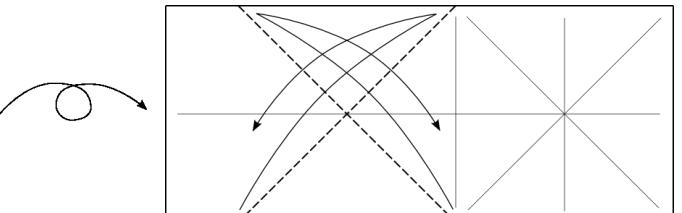
3. Fold the raw edge to the folded edge.



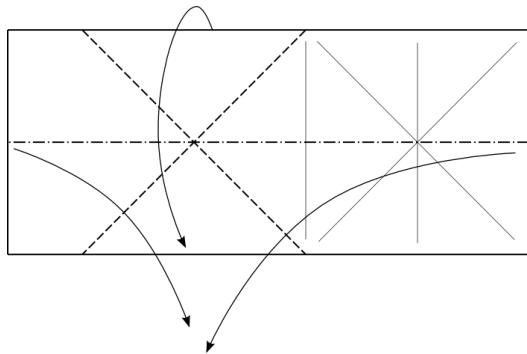
4. Unfold to step 1.



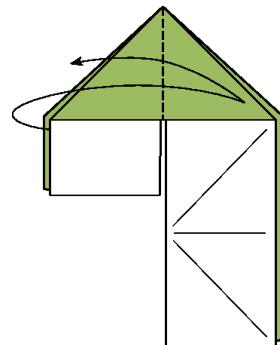
5. Fold in half and unfold. Turn the paper over.



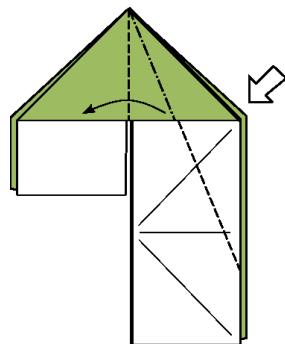
6. Fold and unfold more diagonals.



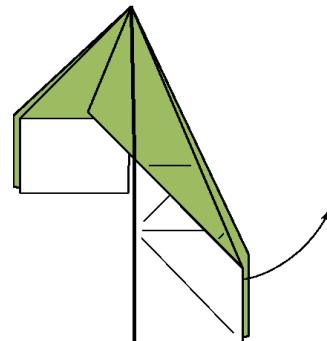
7. Collapse along existing creases.
This is like folding a waterbomb base.



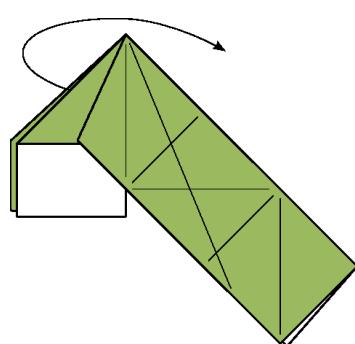
8. Fold and unfold.
Repeat behind.



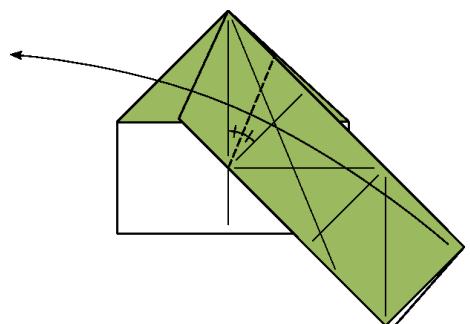
9. Squash the right flap
symmetrically, lining up
the bold lines.



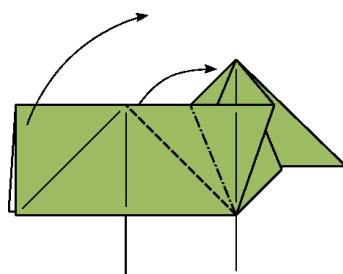
10. Note the bold lines. Pull
out some paper. This is an
“un-reverse-fold”.



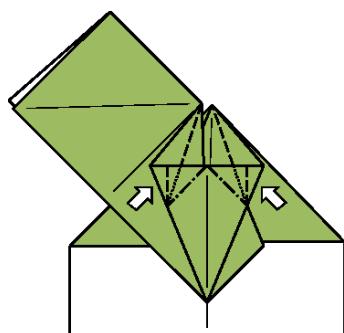
11. Bring one flap to the
right behind.



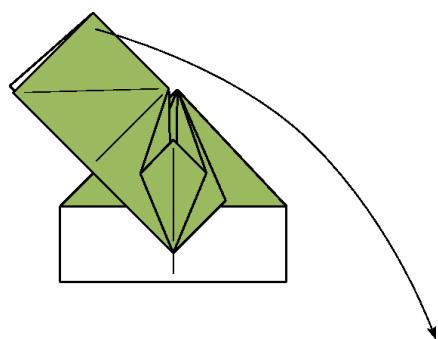
12. Fold the long flap to the left
along an angle bisector.



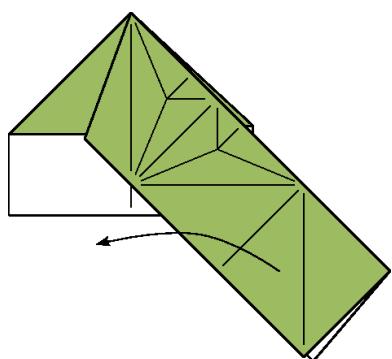
13. Crimp the long flap behind.



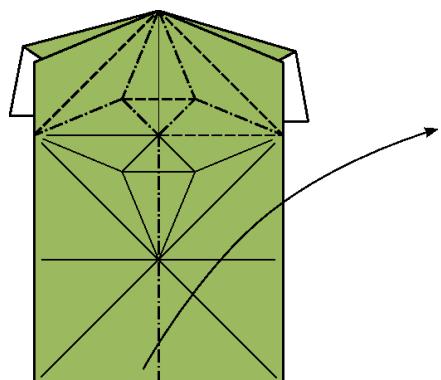
14. Reverse-fold the sides asymmetrically.



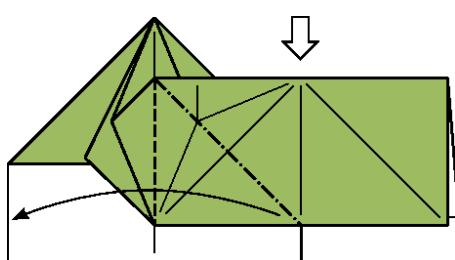
15. Unfold to step 12.



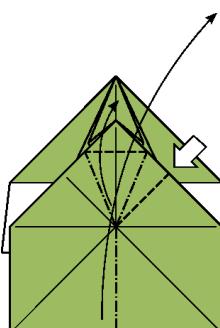
16. Open up the long flap.



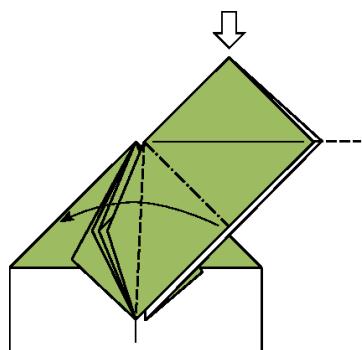
17. Collapse along existing creases, swinging the long flap to the right.



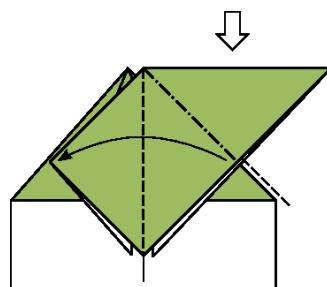
18. Squash the long flap.



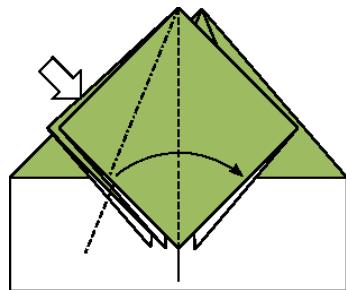
19. Petal-fold the flap upward, swinging the excess to the right.



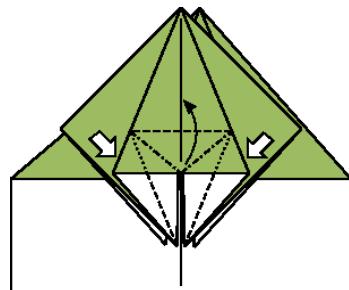
20. Squash the flap asymmetrically.



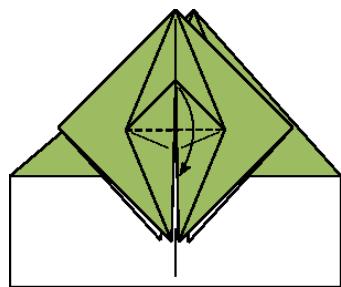
21. Squash.



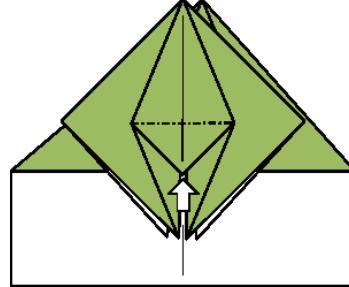
22. Squash the flap to the right.



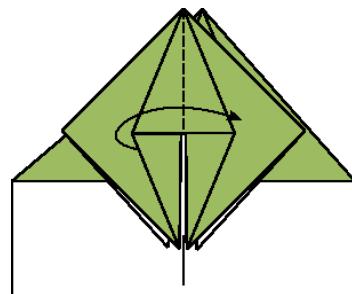
23. Petal-fold.



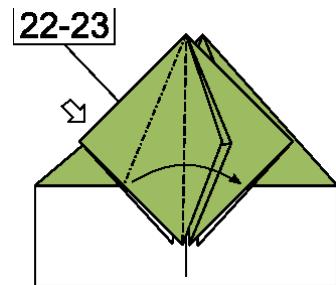
24. Valley-fold the small flap downward.



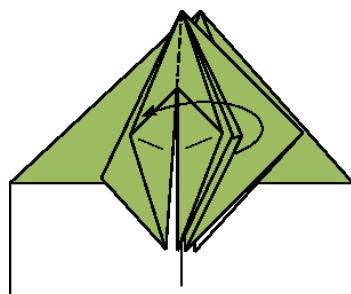
25. Sink the small flap inside.



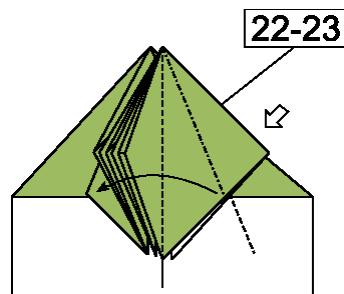
26. Fold 1 layer to the right.



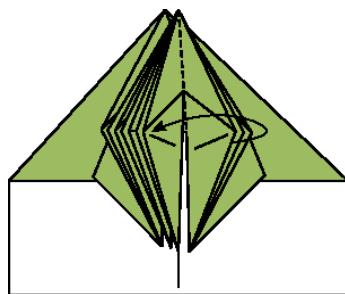
27. Repeat steps 22-23 on the next flap.



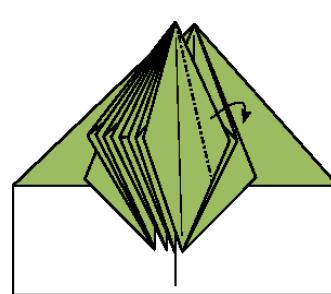
28. Fold 3 layers to the left.



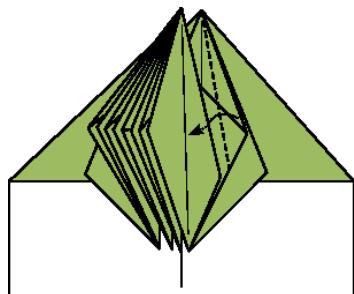
29. Repeat steps 22-23 on the last flap.



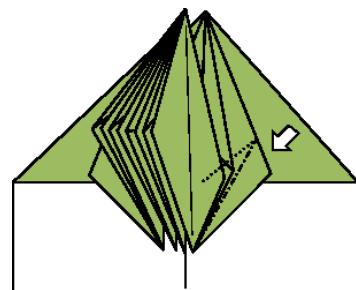
30. Fold 1 layer to the left.



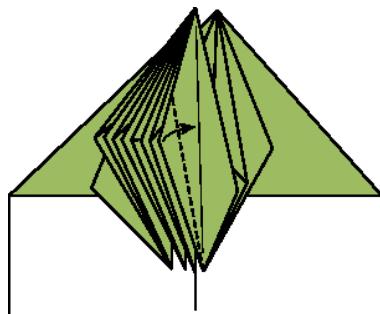
31. Mountain-fold the layer in half.



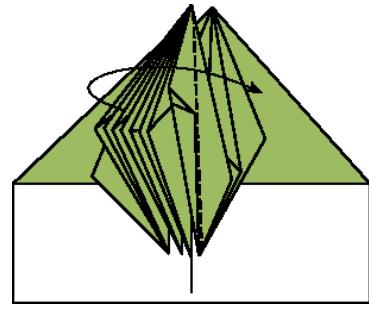
32. Valley-fold the layer underneath the previous one.



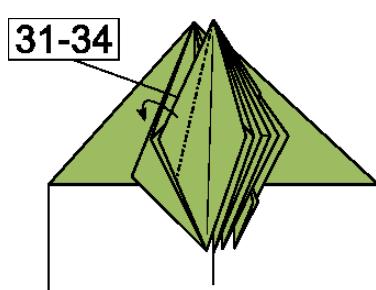
33. Reverse-fold the next layer.



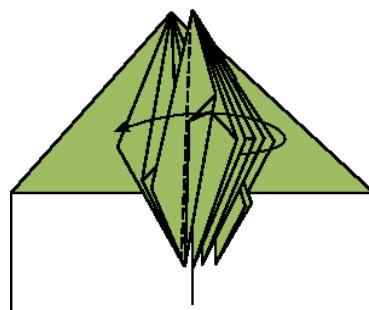
34. Valley-fold the layer on the left in half.



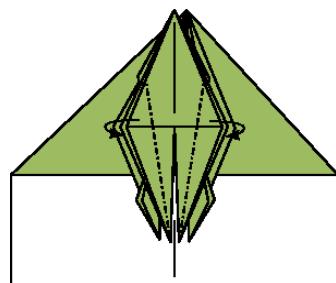
35. Fold 5 layers to the right.



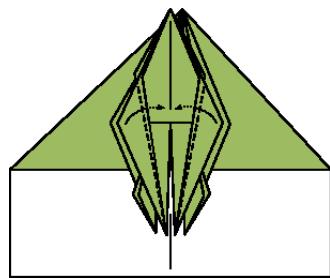
36. Repeat steps 31-34 on the left.



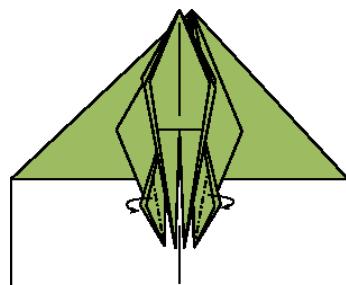
37. Fold 3 layers to the left.



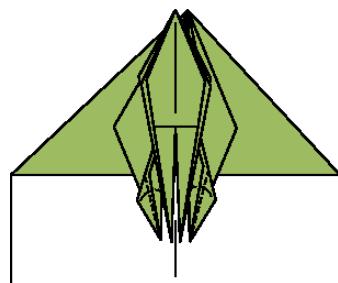
38. Mountain-fold the layers in half.



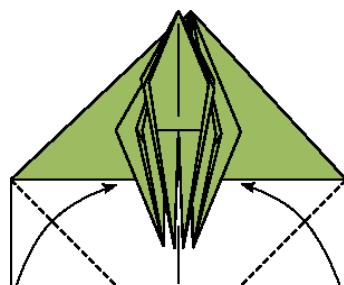
39. Valley-fold the next set of layers behind the front layers.



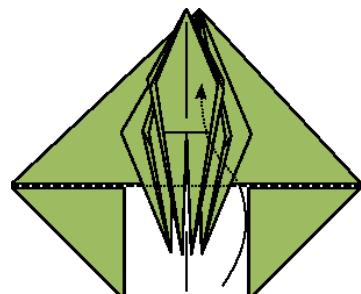
40. Mountain-fold the layers inside the flaps to hide them.



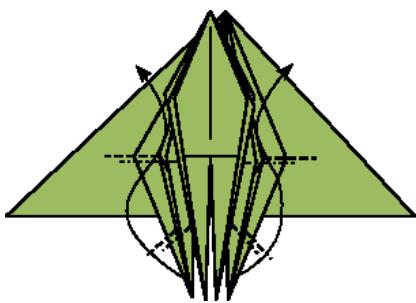
41. Valley-fold the next layers inside.



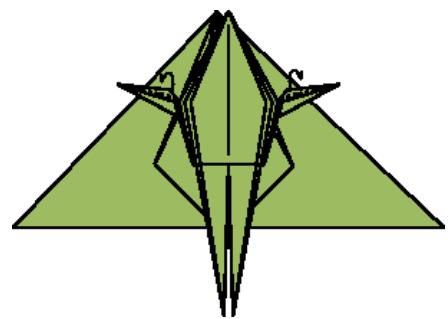
42. Fold the corners upward.



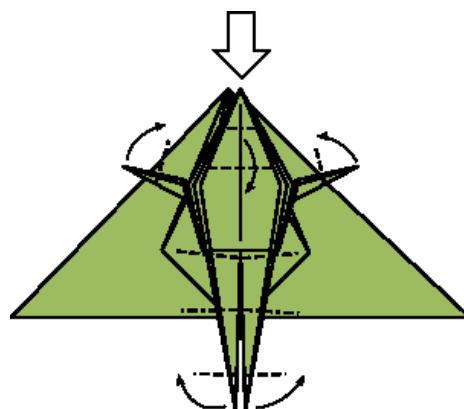
43. Fold the excess bottom flap inside the large triangle.



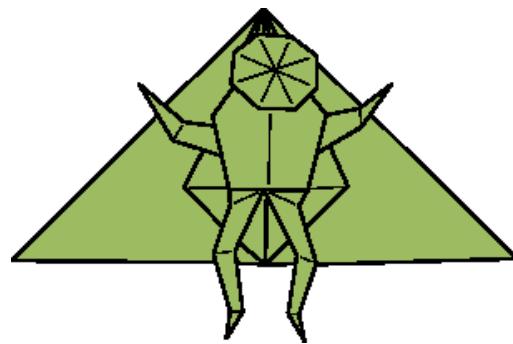
44. Reverse-fold the back flaps up and out to the sides to form the arms.



45. Mountain-fold the thicker layer on each arm behind.



46. Spread-sink the thick middle point to make the head. Use simple mountain and valley folds to shape the arms and legs.



47. This is the result.

Truss Bridge Model Origami (fold by yourself)



Engineer Logo (fold it by yourself)



Origami Solar System (make it by yourself)



Business Origami

“Fold Your Business Idea”

Purpose:

Its goal is to understand the Business system, roles, and customer flow visually through paper modeling.

Materials Needed: Colored paper, glue, scissors,
Marker pen, pencil, scale, tape

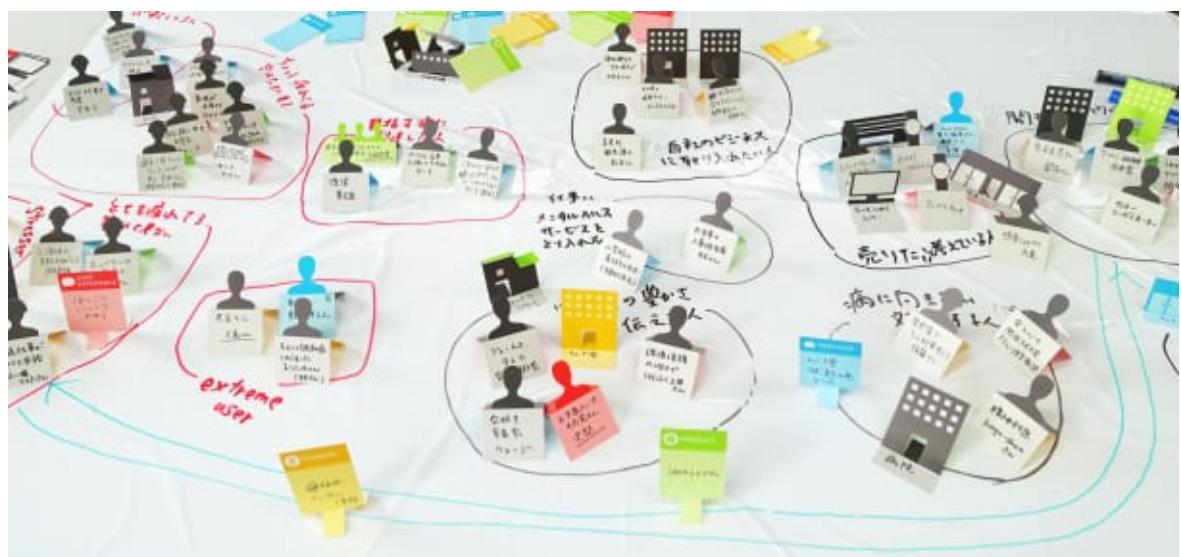
Business Origami: 7 Patterns



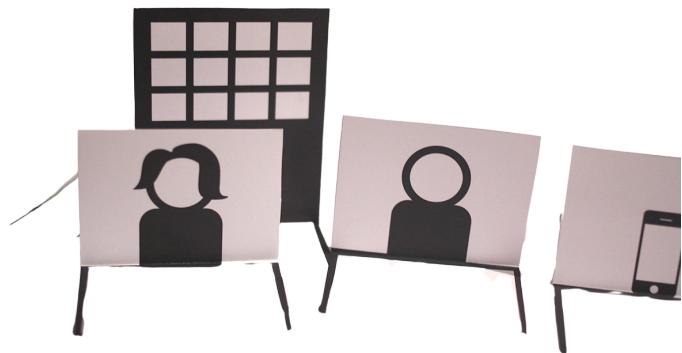
- **What Is Business Origami?..... 34**
- **Fold People Icons (customer, employee)..... 35**
- **Fold Building Shapes (office)..... 35**
- **Business Card Holder..... 36**
- **Money Envelope..... 37**
- **Origami Gift Box (for packaging)..... 38-39**
- **Teamwork Circle..... 40-41**

What is Business Origami?

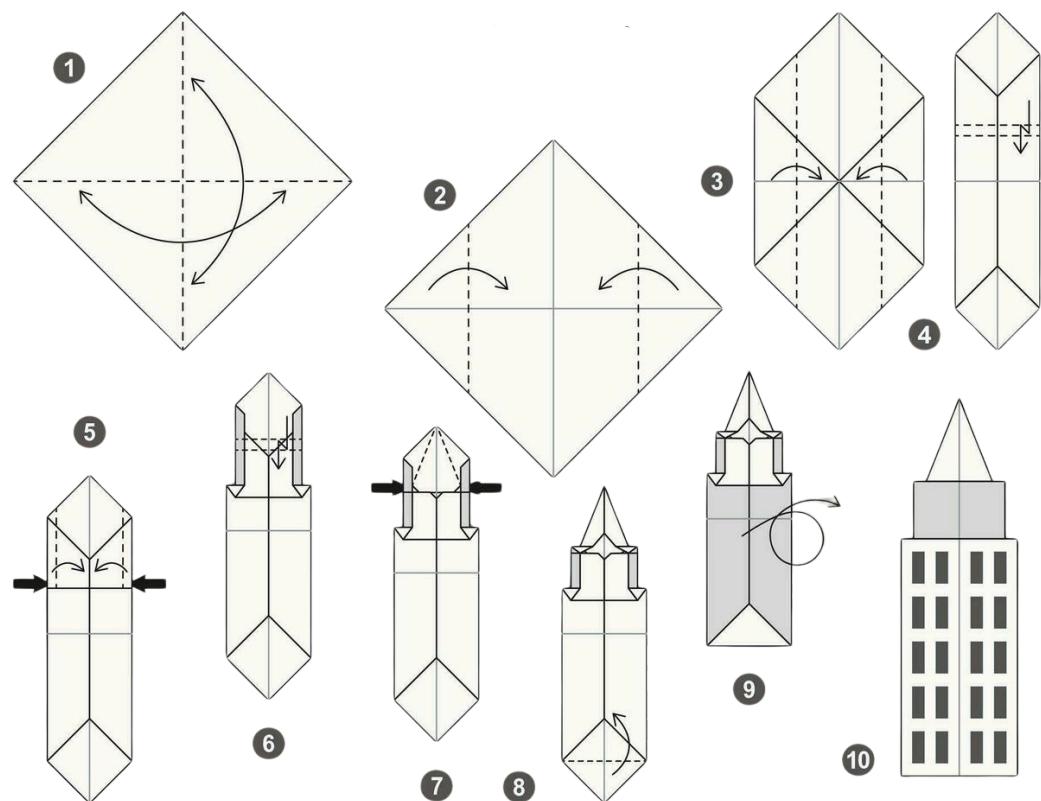
Business origami is a collaborative design tool that uses paper cutouts to create physical models of services and systems. It helps businesses and teams to visualize and understand complex interactions, identify gaps, and brainstorm solutions by physically manipulating representations of customers, touchpoints, and channels. This method builds empathy among diverse stakeholders by providing a shared, tangible reference for discussion. For example



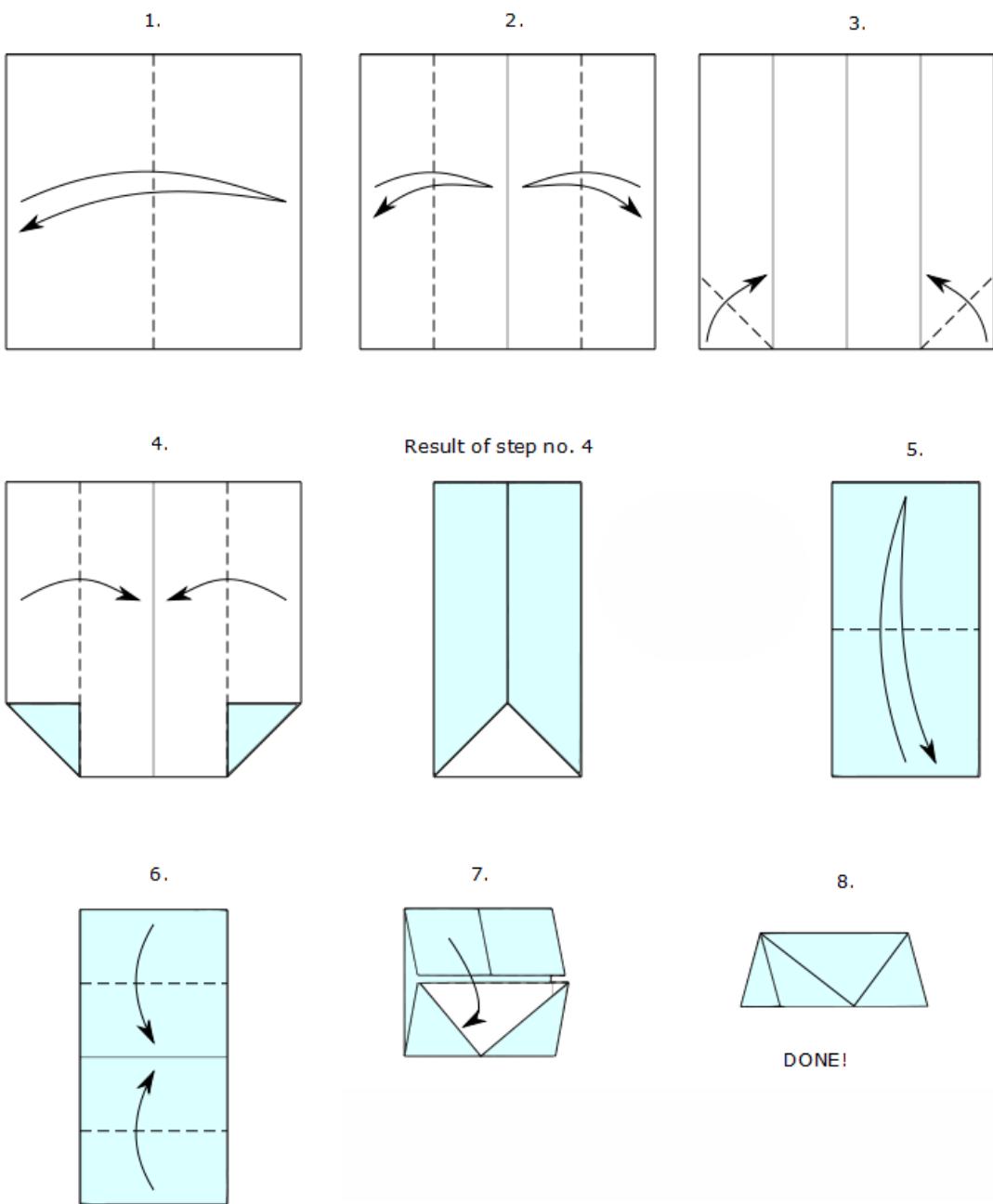
Fold People Icons (customer, employee)



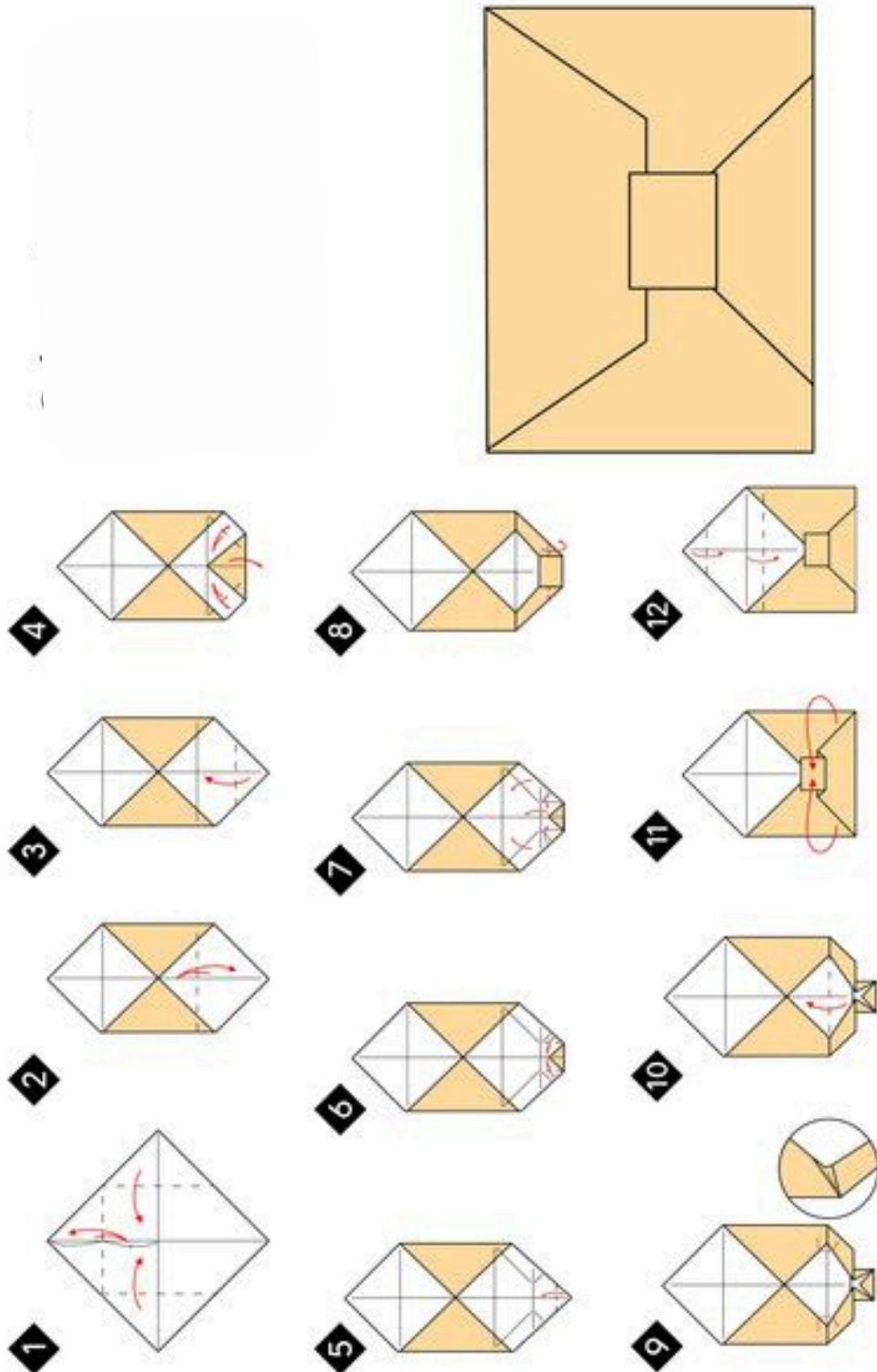
Fold Building Shapes (office)



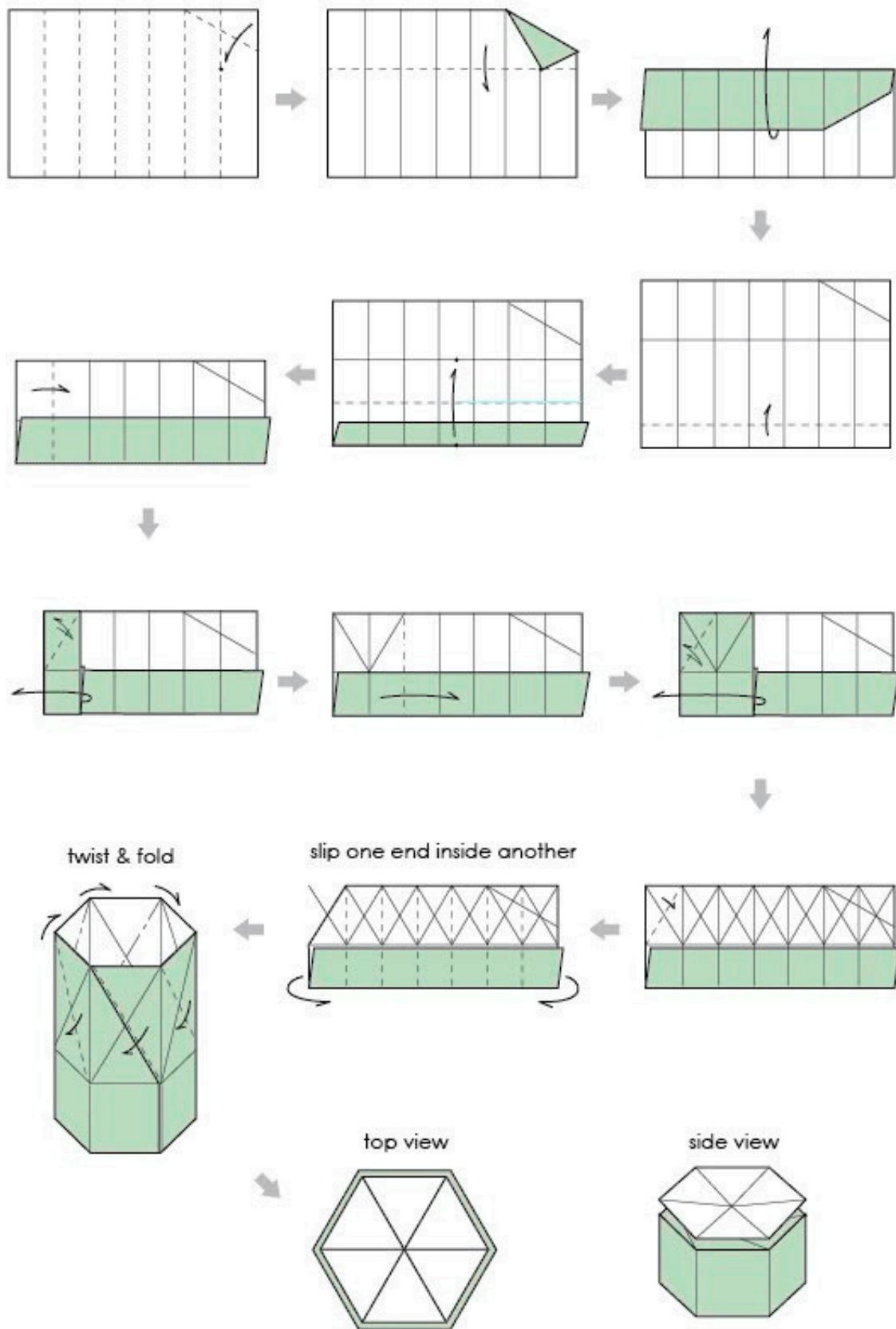
Origami Business Card Holder Steps

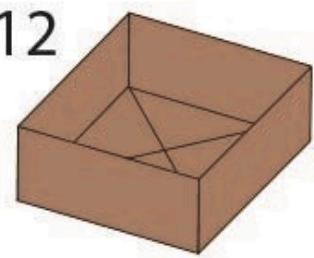
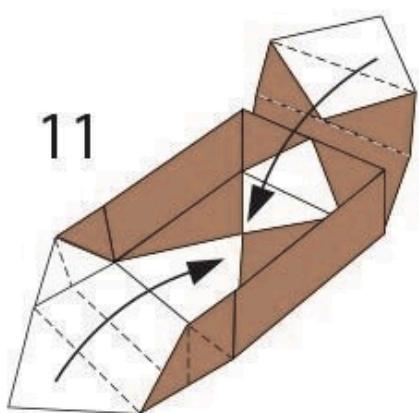
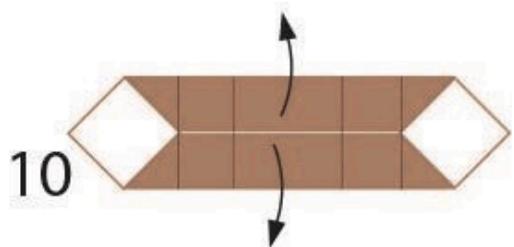
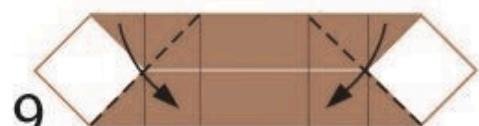
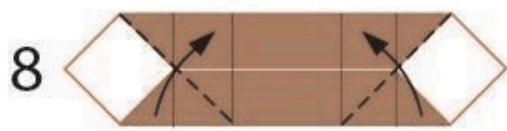
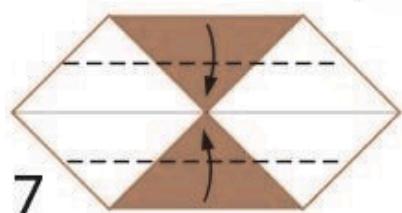
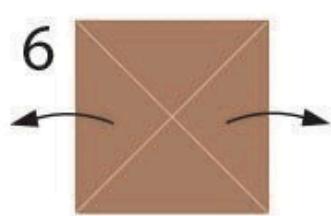
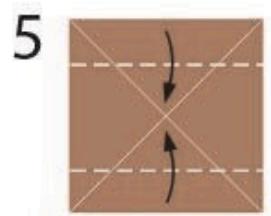
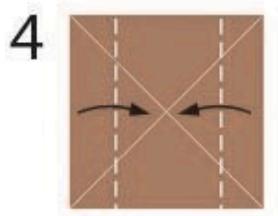
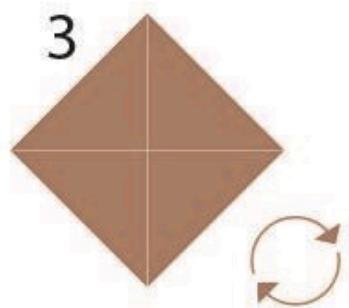
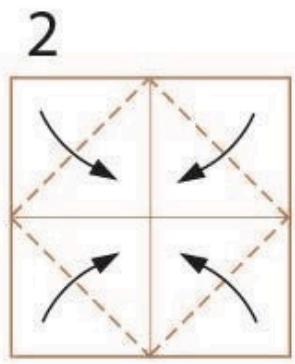
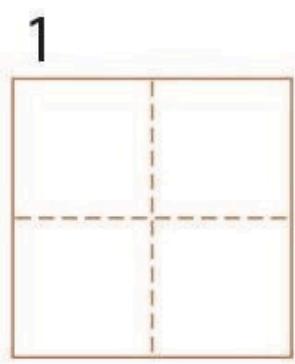


Money Envelope Making Steps



Origami Gift Packaging Box Steps





Teamwork Circle (fold by yourself)





Make it by yourself

