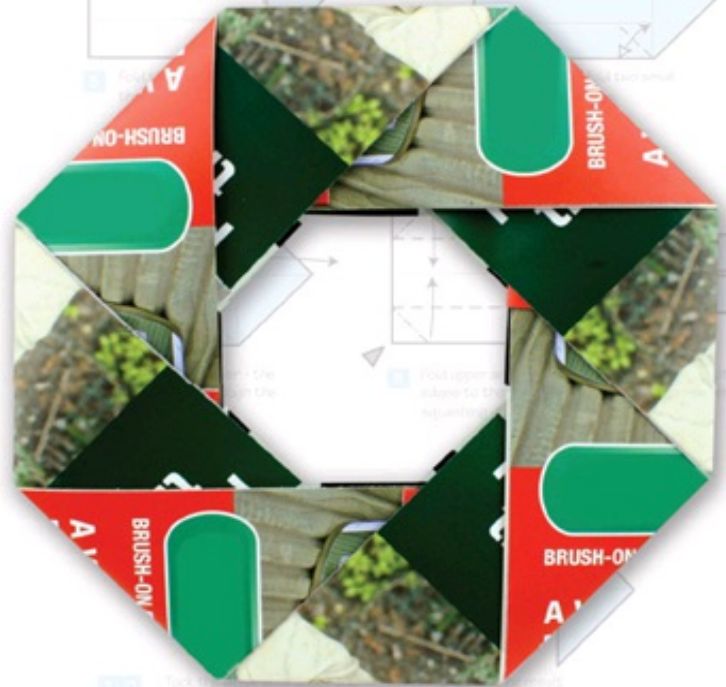




Origami

ANYWHERE

Why throw it out when you can
fold it up?



Nick Robinson

ORIGAMI ANYWHERE

ORIGAMI ANYWHERE

Why Throw It Out When You Can
Fold It Up?

Nick Robinson



Dover Publications, Inc.
Mineola, New York

The author would like to thank the following creators for kindly allowing their work to be used within this book;

Roast Chicken - Arun Soor / 3D Heart, Autumn Leaf - David Petty / Mehlem
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Hex-Letterfold, Rocking Cradle, XYZ - Francis Ow / Wizard - Kunihiro Kasahara
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Steve Daniels / Dachshund - Susanna Kricskovics / Bellflower, Jumping Frog,
Fleur De Lys, Printers Hat, Shirt, Slippers - Traditional / Brown Box, Yacht -
Wayne Brown



With any origami design, there is a chance that similar designs have been independently created by others, but the models have been credited to the best of my knowledge.



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For further information about origami, please visit the author's website:
www.origami.me.uk, Origami USA: www.origamiusa.org and the British Origami
Society: www.britishorigami.info.



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Contents

Introduction
Symbols
Octaring
Arrowhead
Slippers
Jumping Frog
Bellflower
Printer's Hat
Hex-Letterfold
Mehlem Envelope
Pill Box
Brown Box
Autumn Leaf
Rocking Cradle
Decoration
3D Heart
Fleur De Lys
Flower
Shirt
Dachshund
Dog
Yacht
Throne
Wizard
Fox
Koala

XYZ

Double Pajarita

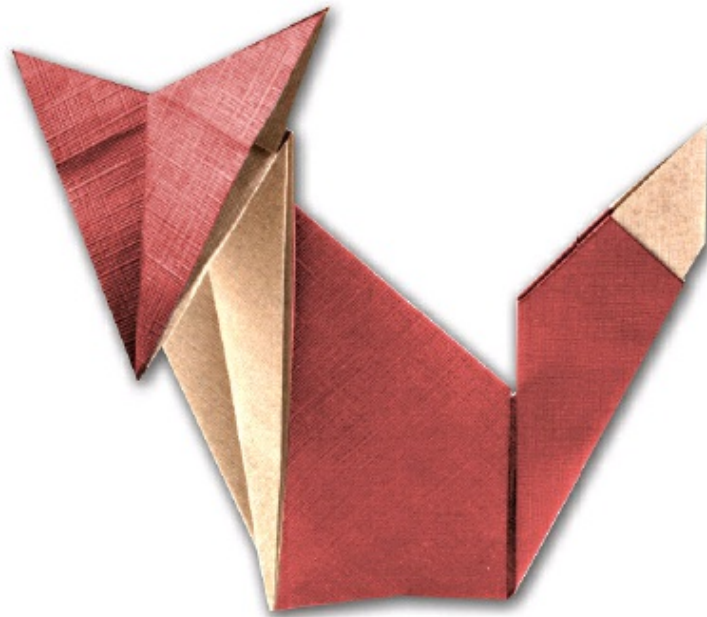
Shell Cube

Saltsraumen Octahedron

Roast Chicken

Introduction

Origami Anywhere is so called because it truly is a craft you can enjoy anywhere. No expensive tools are needed and the material-paper - is all around you. We are surrounded in our daily lives by many different types of paper; tickets, leaflets, bags, wrappers, newspapers, envelopes and many more. Almost all of these can be used to make origami models.



As you can imagine, some types of recycled material are easier to fold with than others, but with patience and enthusiasm, most can be turned into delightful models to give to your friends, display on a shelf or share images of using the Internet.



The beauty is that since the materials are free, you can practice until your skills are perfected, at no cost. Certain subjects will be suggested by different types of paper; dogs and rabbits, for instance, look great from brown paper bags. Brightly patterned paper might be more suitable for a peacock or a decorative cube. Some designs are better made with thicker paper, others with thin, flexible material.



How to fold

People assume you need a lot of patience or talent to do origami. This is not the case. Anyone can make a simple model, given the right instructions. When you have completed this book, you can use your abilities to tackle more advanced designs, or to expand your range of simple subjects. You will also find that making a model 3 or 4 times will “fix” the folding sequence in your memory and you may remember it for years!



The key to good origami is to fold slowly, think about what you are doing and not to make the crease until you are sure the paper is in the right place. If it goes seriously wrong, just pop the paper in the nearest recycle bin and start again, no harm has been done.

Make life easy for yourself by having a clean, uncluttered folding surface, with good lighting. Set aside plenty of time to work on your folding and try to avoid being disturbed. If you find a model is difficult to complete, try folding it with a small group of friends!

Working with recycled materials

Creating origami from scrap paper will require making some decisions. Not every model will suit every type of paper. Here are some tips to think about.

Shape

Depending on the model, you may need to prepare your paper - some will need the removing of rough edges and irregular shapes will need trimming to the appropriate size. This may be a square, a 2x1 rectangle or possibly even a long, narrow strip, such as a chopsticks container.

Which side up?

Origami paper often has a colored and a white side, as shown in the diagrams. You will need to consider the two sides of the paper and choose the most attractive side for the outside of the model. If your model reveals both sides of the paper, which is the best choice?

Choosing material

Leaflets, letters, and flyers are pretty much ideal for most models, as long as they are not too thick. Smaller sheets, such as tickets or tea bag wrappers may test your technique at first, but practice will make perfect. Napkins will work with some designs, but not others. Shiny plastic may need to be glued to a thin sheet of paper in order for the folds to stay in place.

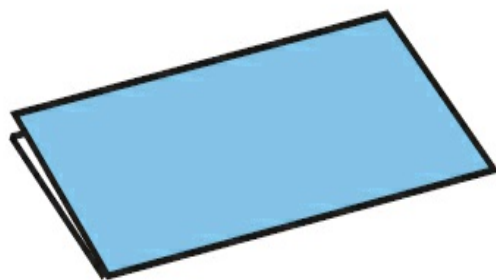
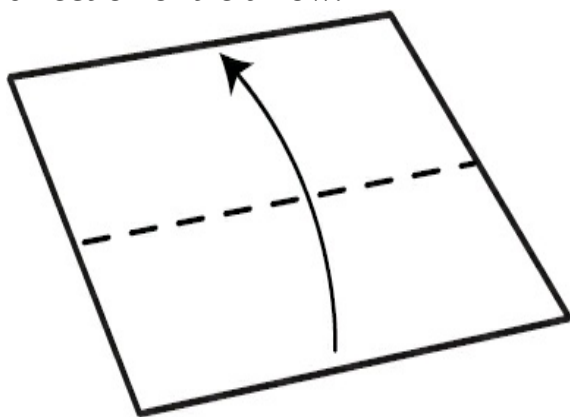
Progressing

The best way to learn, as with most things, is to practice. Fold any model you can, using the local library, bookshop and Internet to find new material. Why not start a local origami group? It's also a great idea to join a national origami society; they are all around the world!

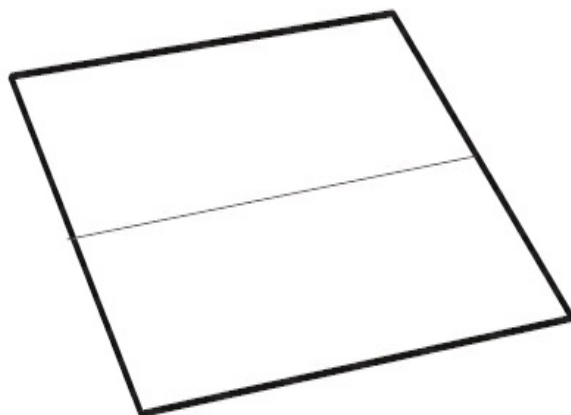
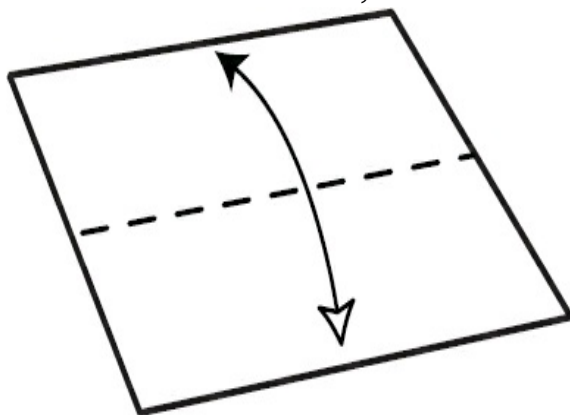
Symbols

Here are the origami symbols used in this book. Treat them as a language, which will allow you to understand origami diagrams from anywhere in the world. Always read the instructions carefully, folding slowly and neatly at all times.

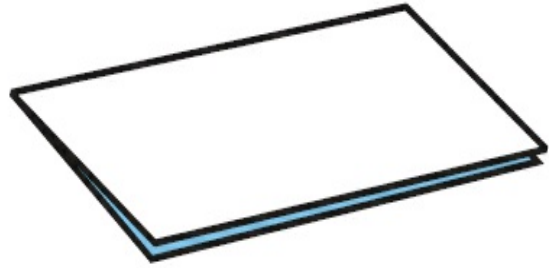
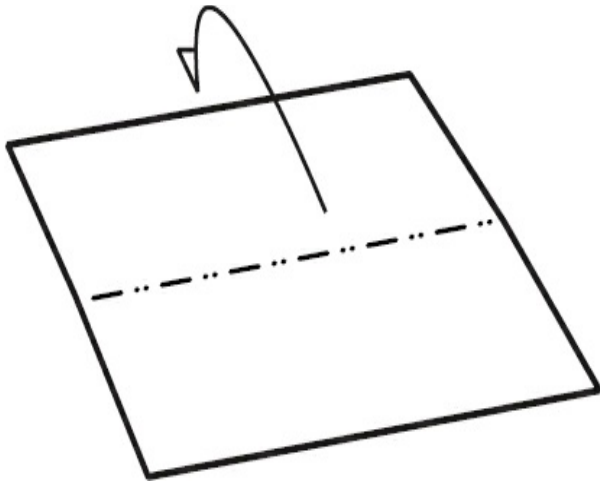
- 1 A valley fold is shown by dashed lines. They indicate you should fold in the direction of the arrow.



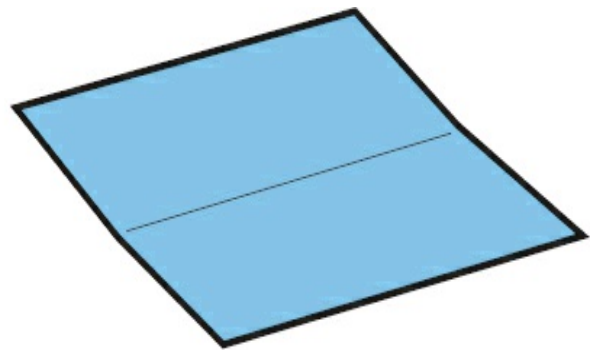
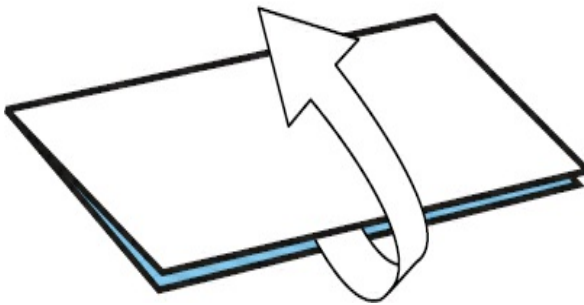
- 2 Any fold can be made, then unfolded. You make the valley fold from the hollow to the solid arrowheads, then unfold.



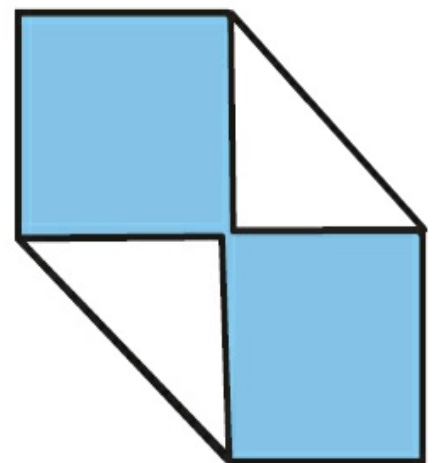
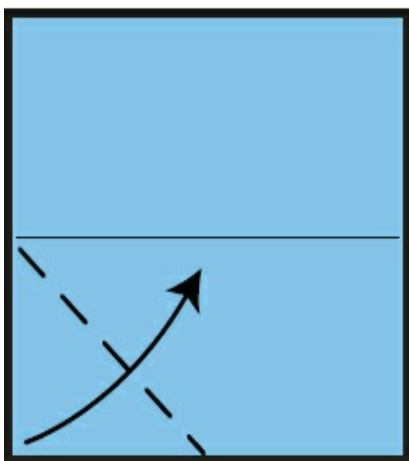
- 3 A mountain fold indicates that paper is folded underneath and is shown by a dash and two dots. You can turn the paper over and form this as a valley fold.



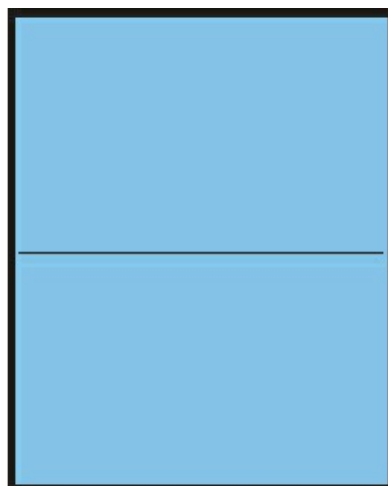
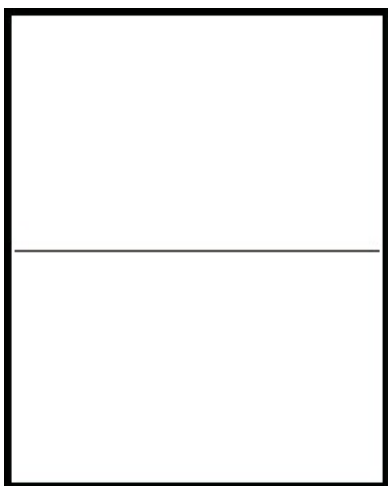
- 4 A hollow arrow instructs you to unfold or pull the paper out. It will leave a thin crease.



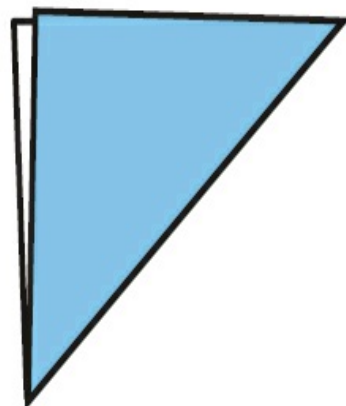
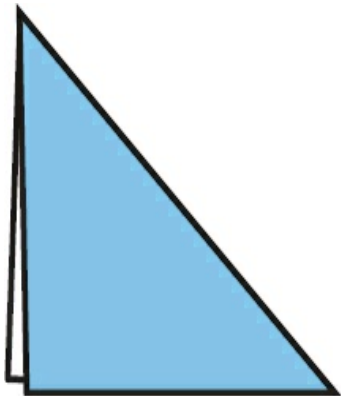
- 5 To keep the drawings simple, some steps are shown once, then you are asked to repeat them by an arrow with a dash through it.



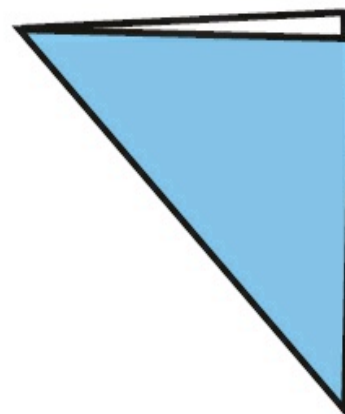
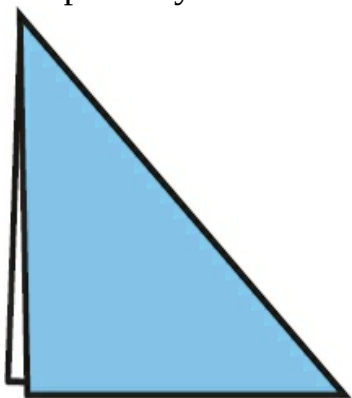
- 6 A round arrow instructs you to turn the paper over from side to side, like tossing a pancake.



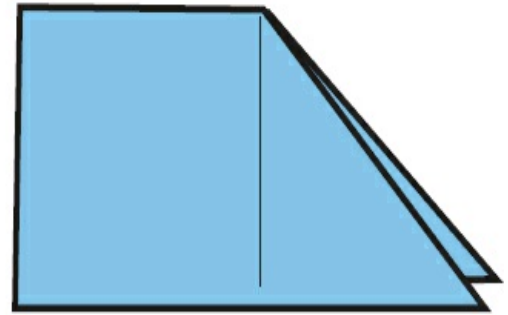
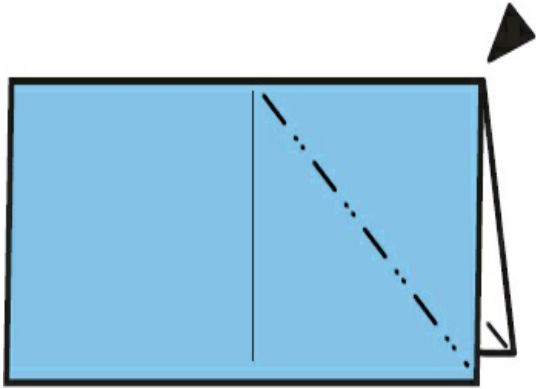
- 7 To make a fold easier, you may be instructed to rotate the paper by 90 degrees, in the direction of the arrows.



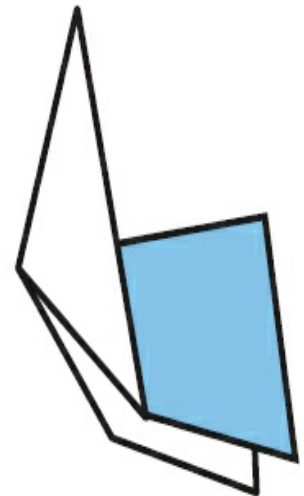
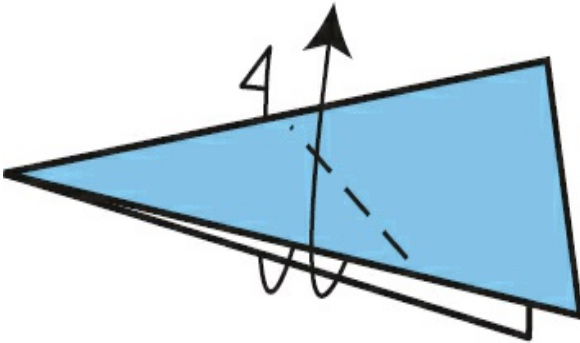
- 8 Or possibly to rotate by 180 degrees, in effect turning the paper upside down.



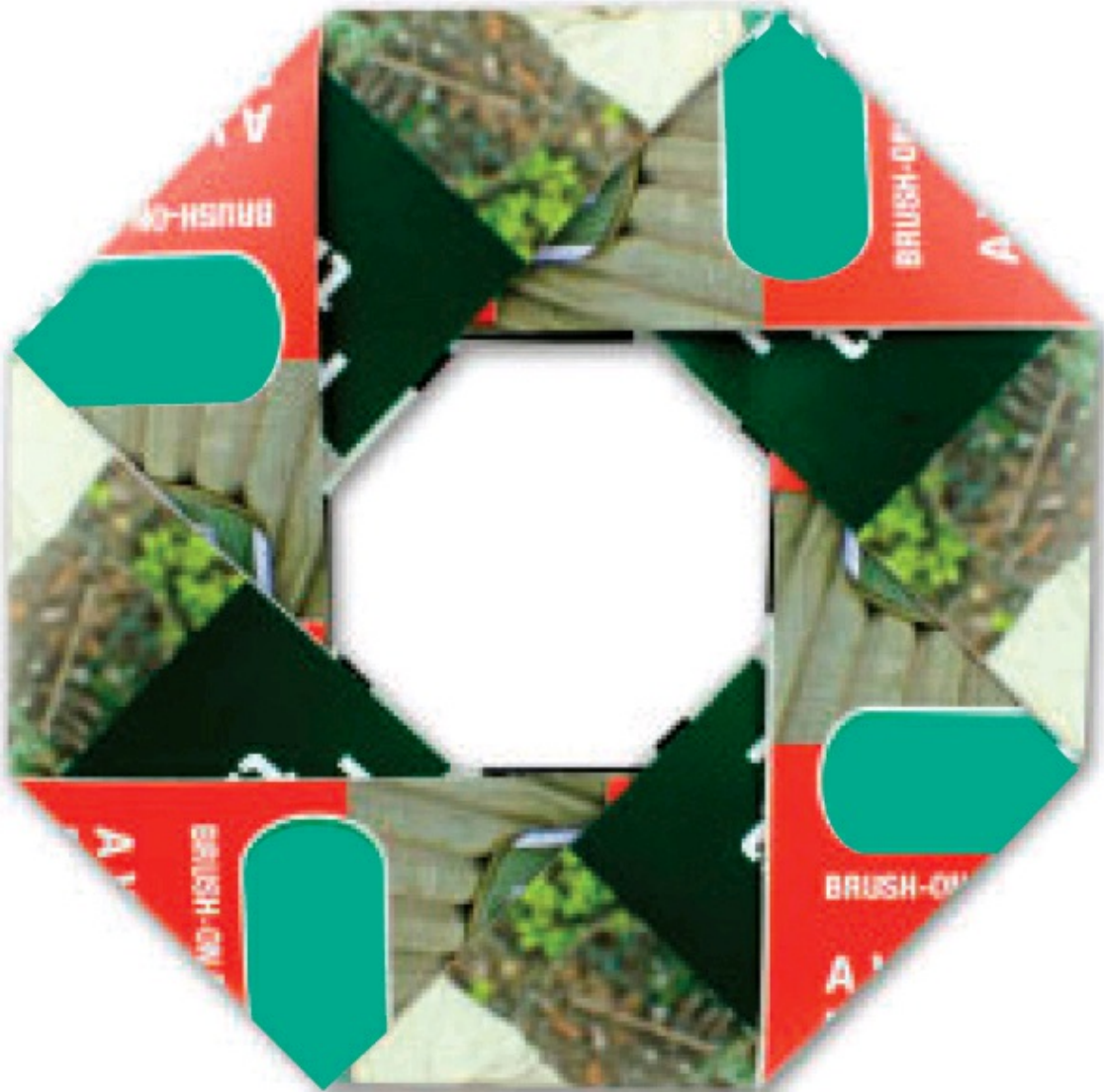
- 9 An inside reverse fold is where part of the paper is pushed inside, by reversing the direction of some creases. The black triangle tells you to apply gentle pressure.



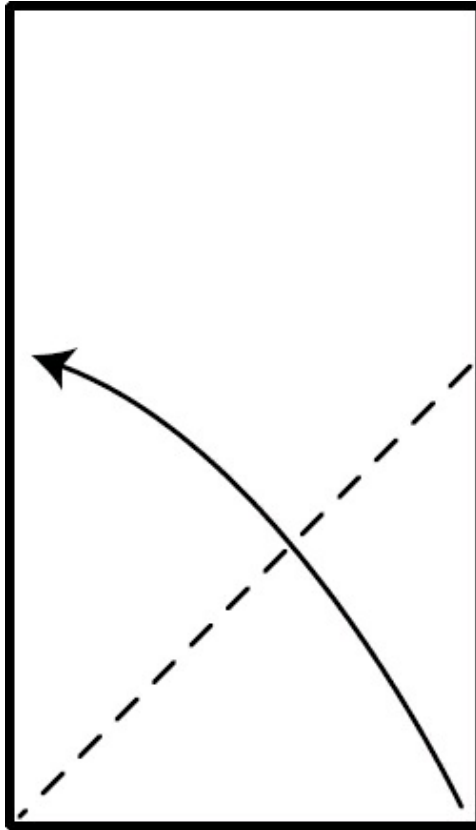
10 An outside reverse fold is where part of the paper is wrapped around so it turns inside out.



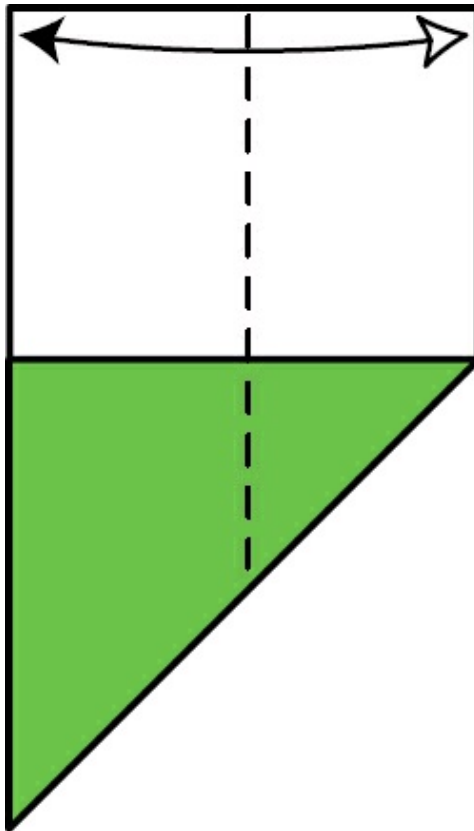
Octaring



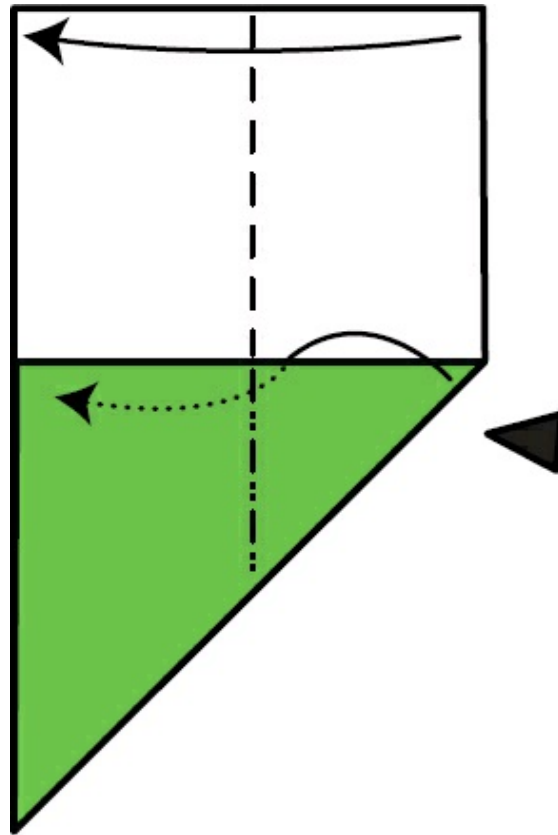
This octagonal ring is both simple to fold and to assemble. You can make it from business cards, tickets or most narrow rectangles.



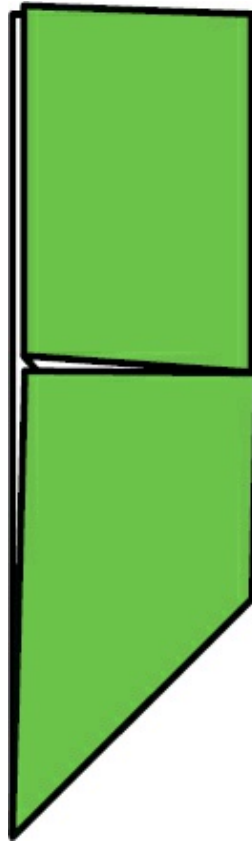
- 1 Using a business card, fold the lower edge to the left edge.



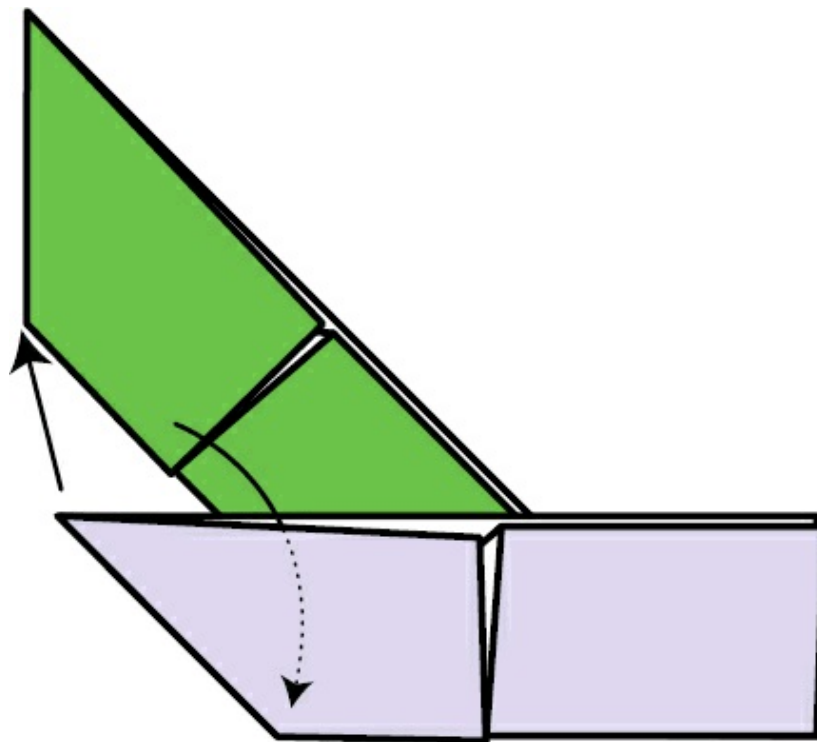
2 Fold the right edge to the left, crease and unfold.



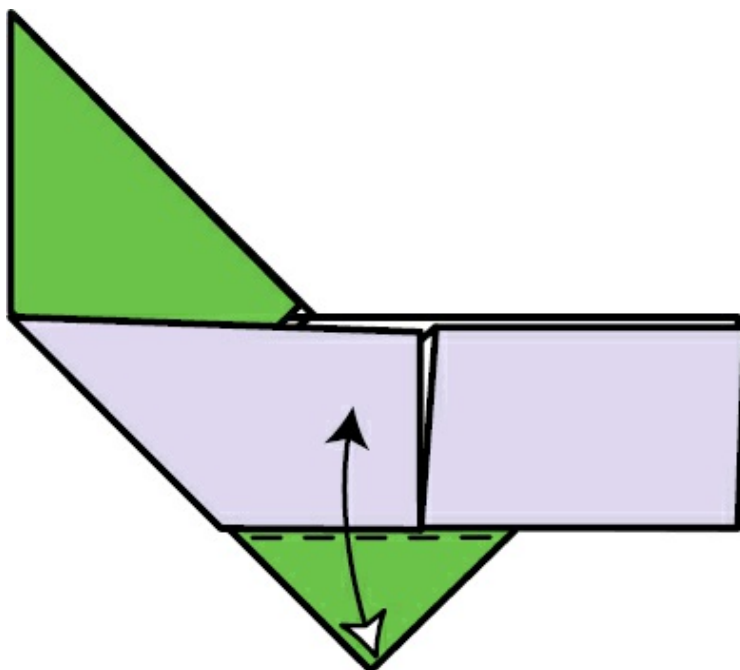
3 Refold at the top, making an inside reverse at the bottom.



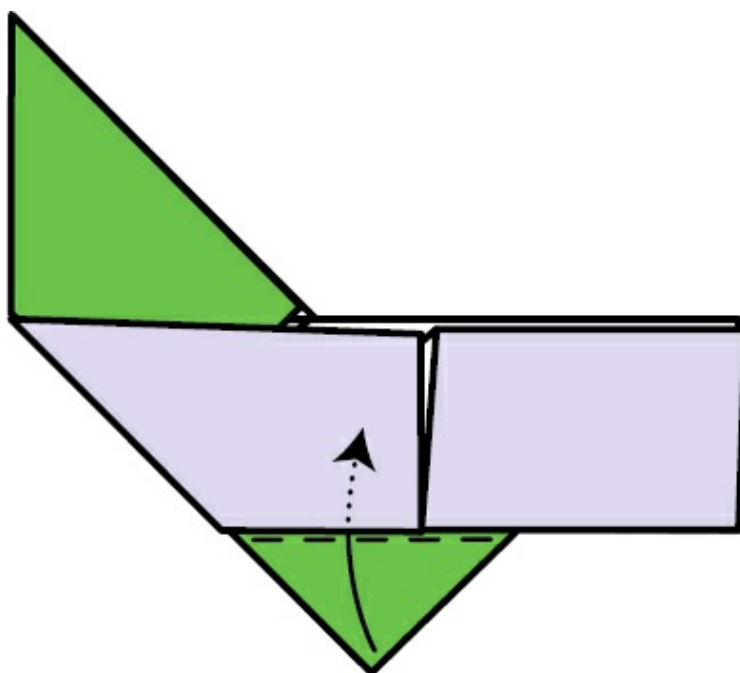
4 Make another seven units.



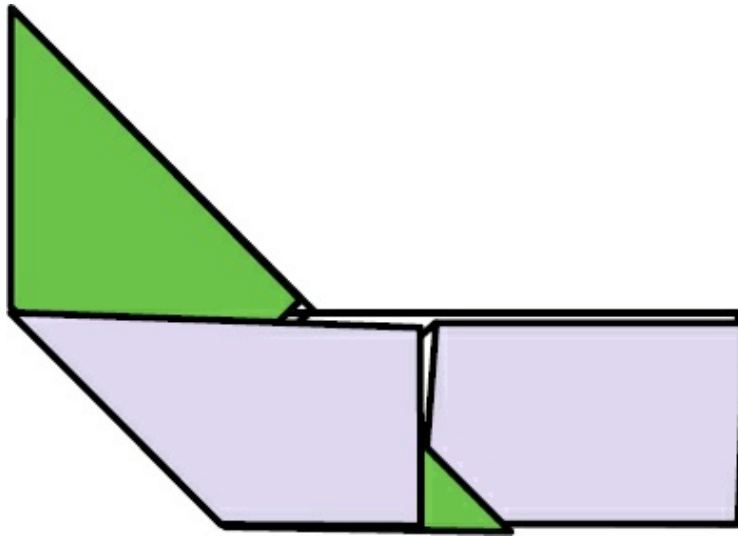
- 5 Slide the right-angled corner of the upper flap of the upper unit into a pocket.



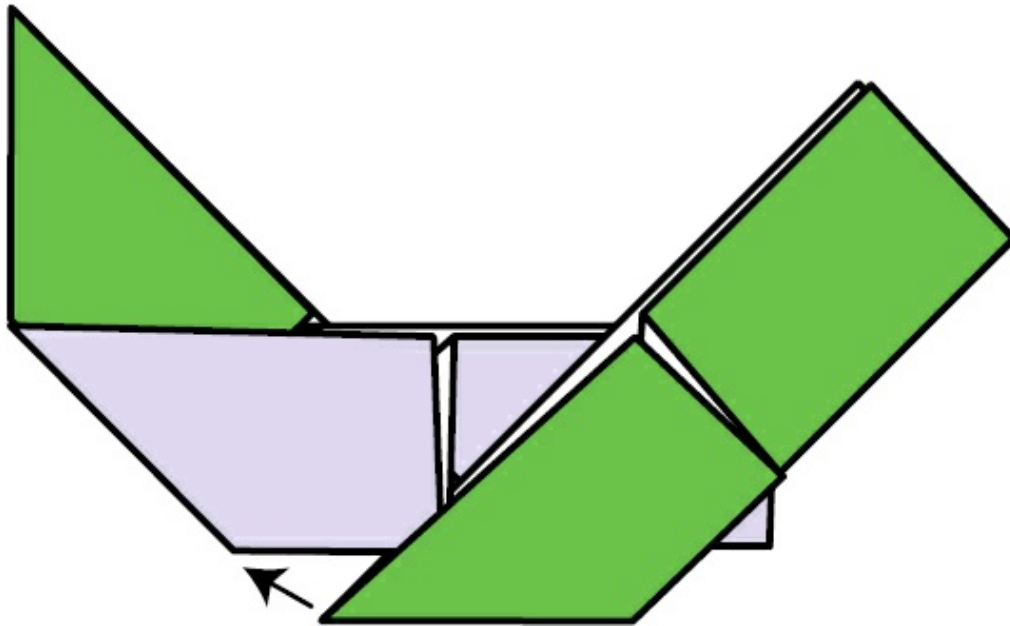
- 6 Fold the triangular flap upwards, crease and unfold.



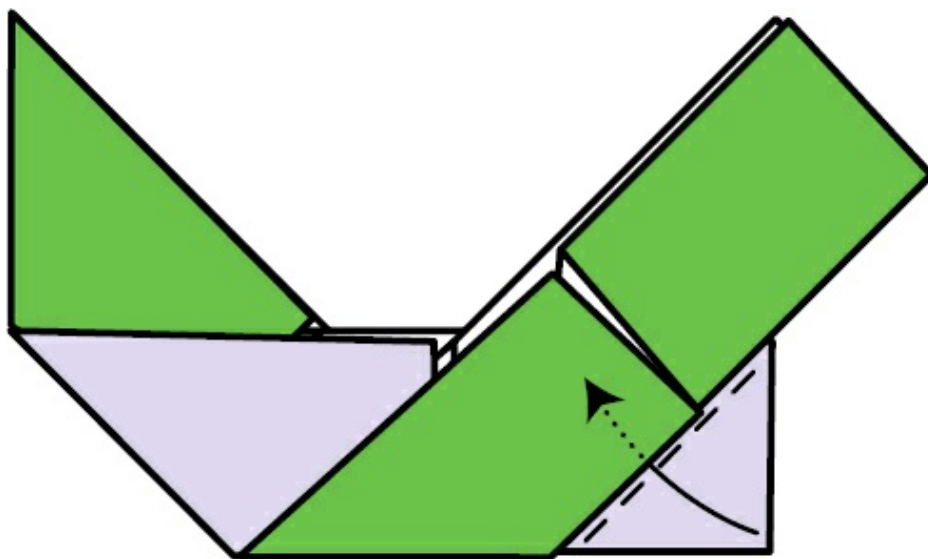
- 7 Refold the flap upwards, tucking under a layer.



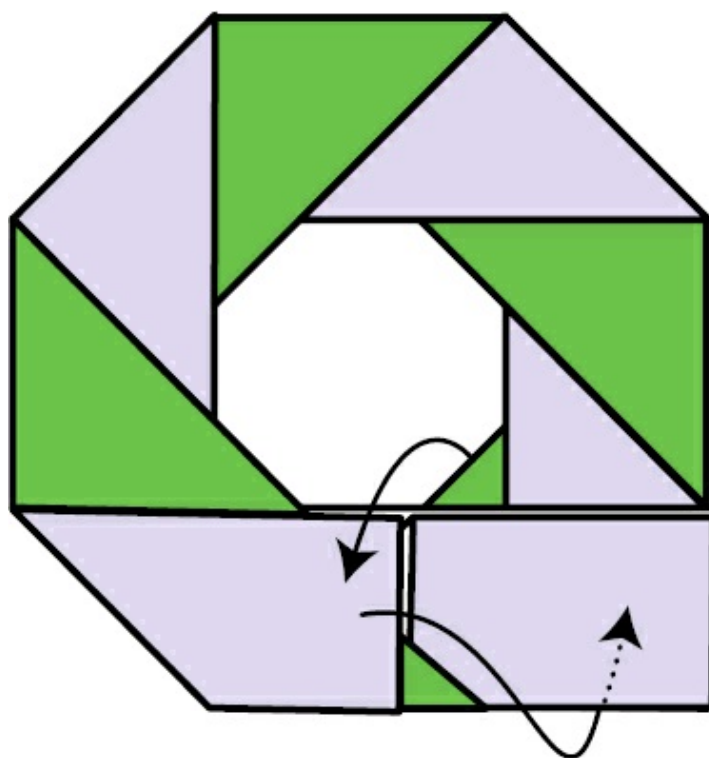
8 This is the result.



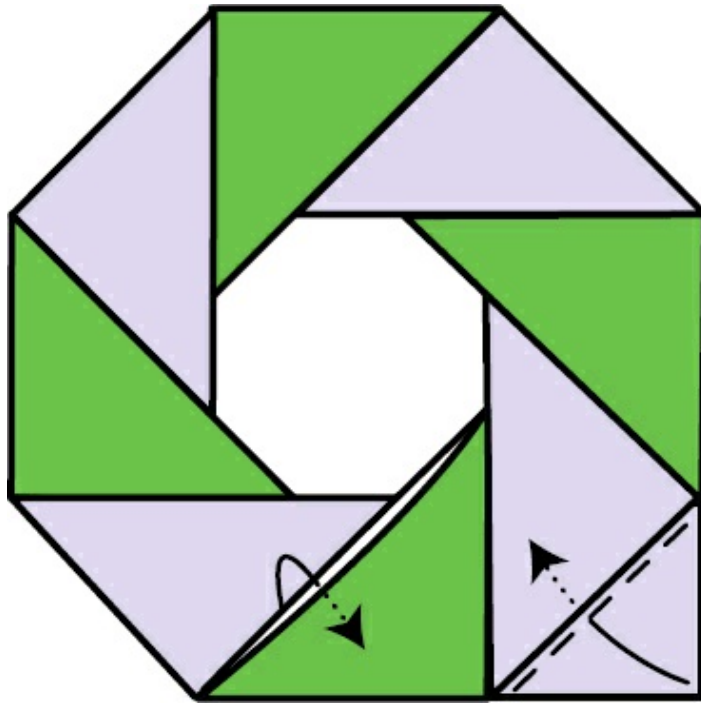
9 Slide the next unit in, as with step 5.



10 Tuck the flap in as in steps 6-7. Continue with the remaining units.



11 Flip layers so the last unit lies under the first.

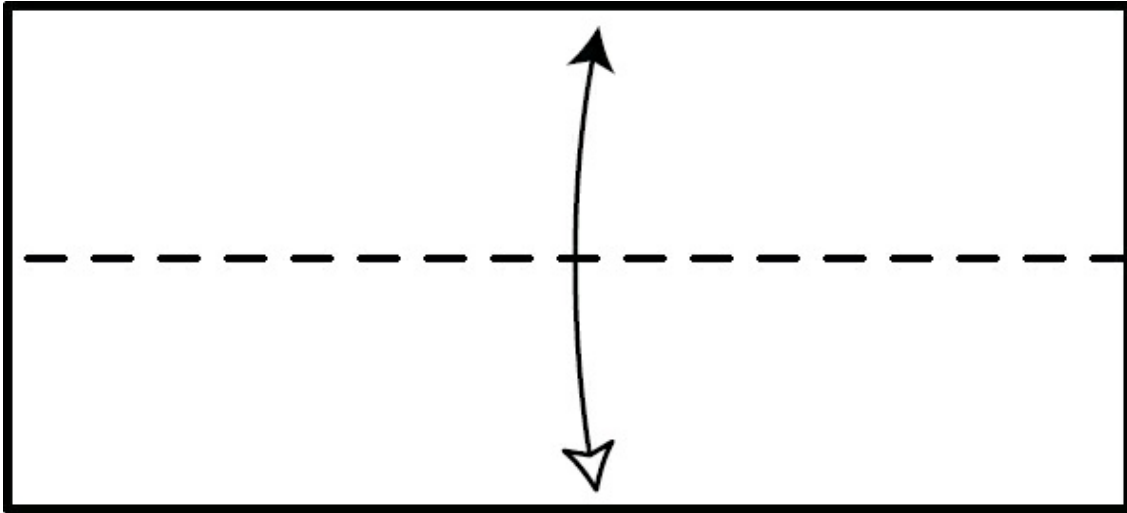


- 12 On the left, carefully release a flap and slide it into a pocket (see step 5). On the right, crease and fold the flap into a pocket (see steps 6-7)

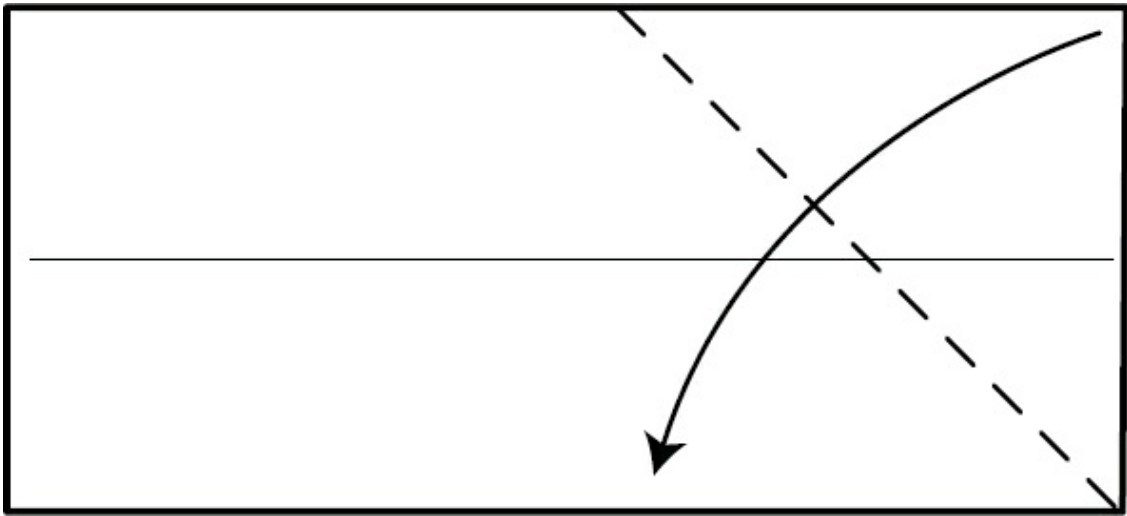
Arrowhead



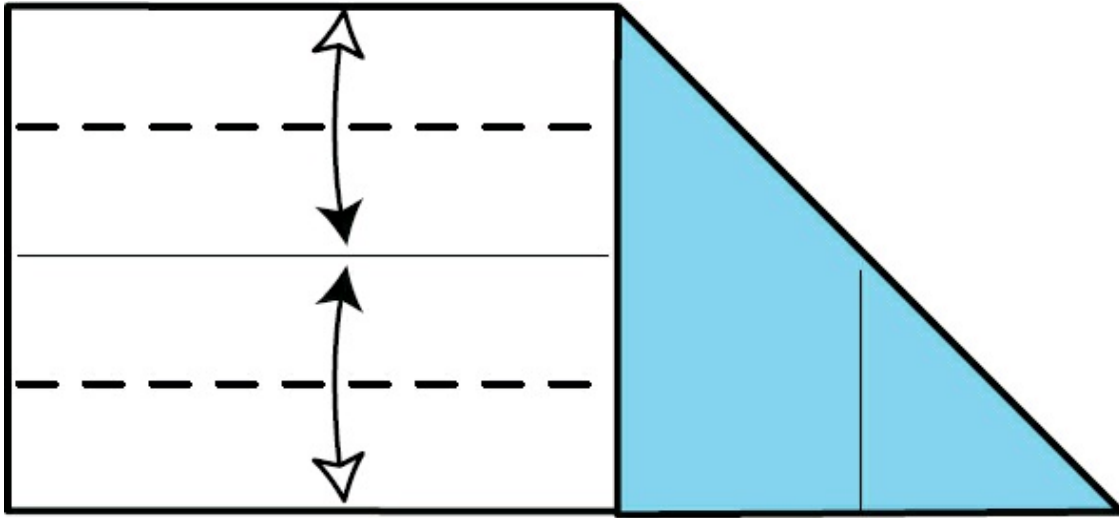
This can be made from a variety of tickets or any rectangular paper, such as a menu. Useful for guiding people to origami classes.



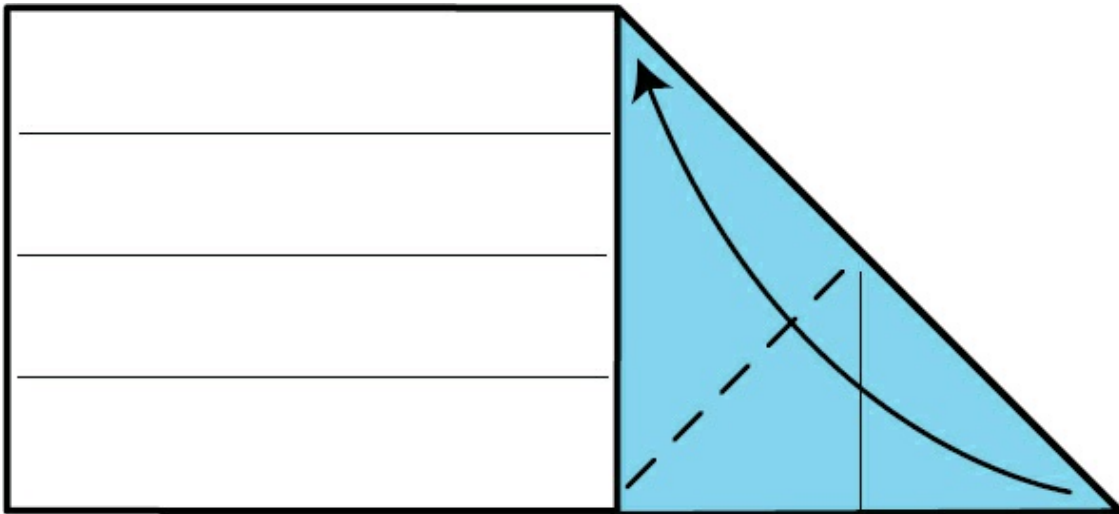
- 1 Fold in half from bottom to top, crease and unfold.



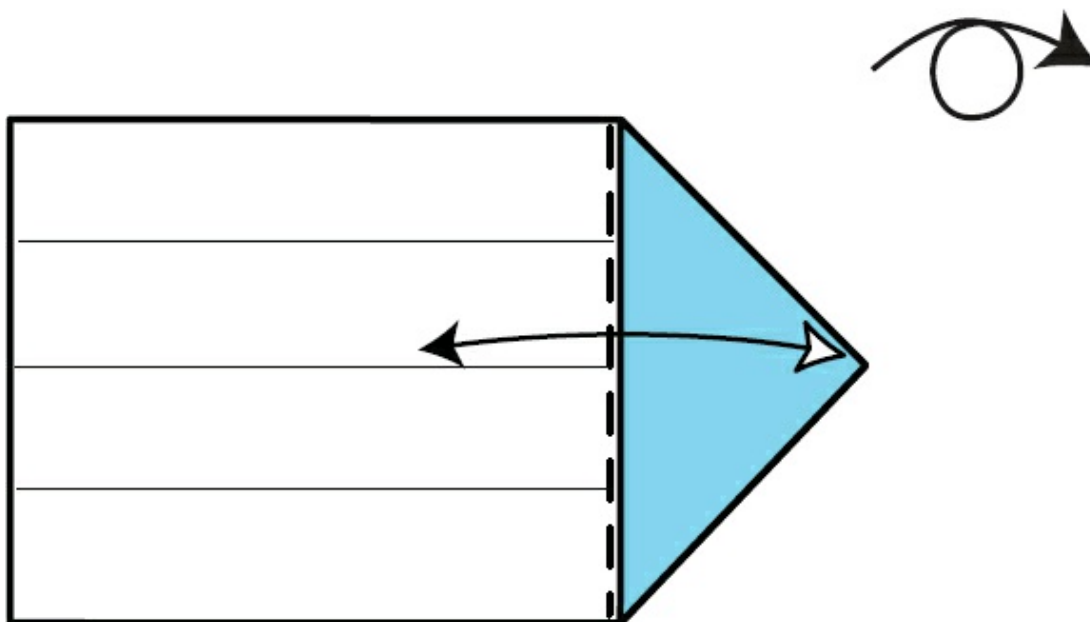
- 2 Fold the right edge to lie on the bottom edge.



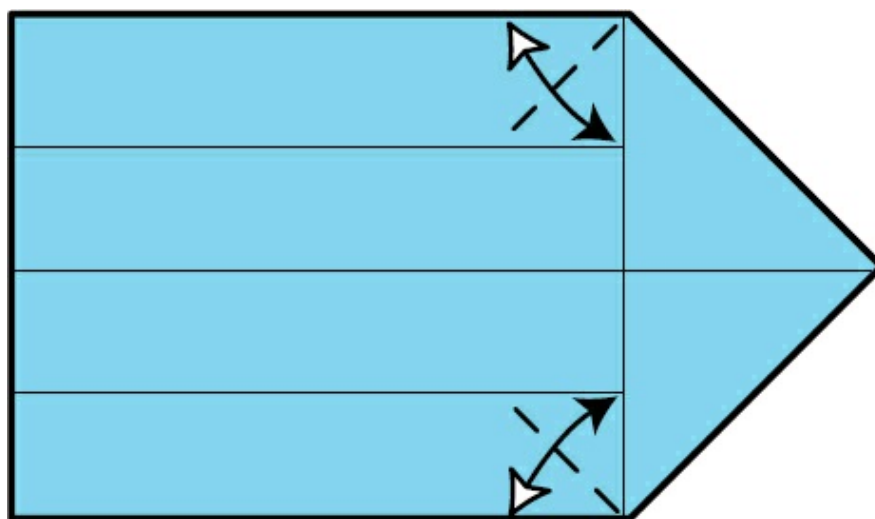
3 Fold upper and lower edges to the center, creasing only through the white area.



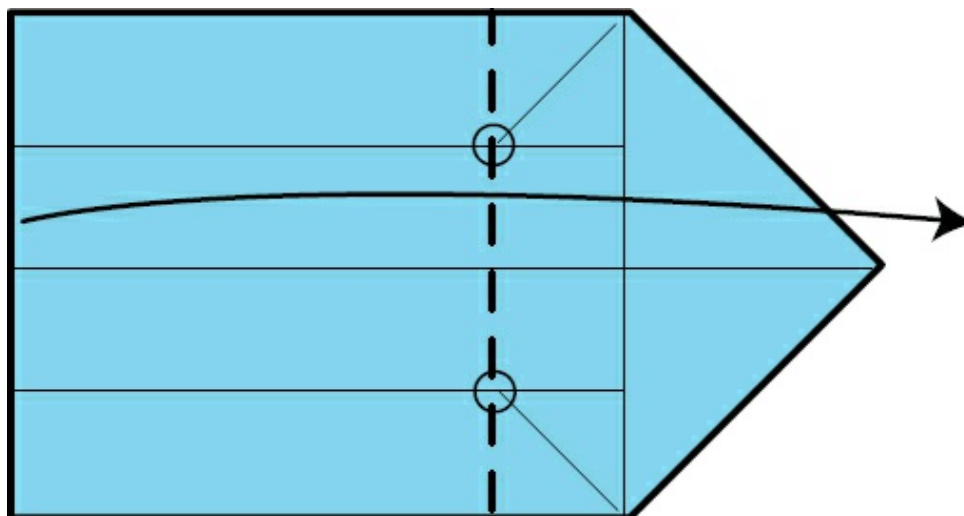
4 Fold the lower right corner to the top right corner.



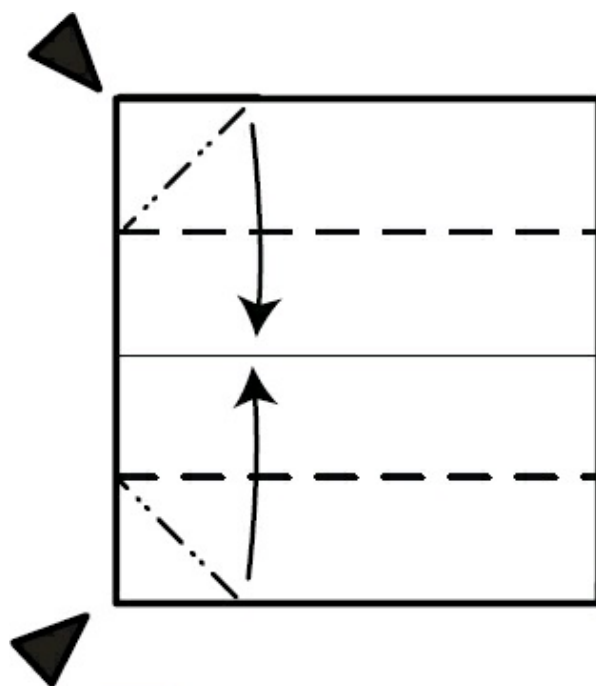
5 Fold the colored area to the left, crease and unfold. Turn the paper over.



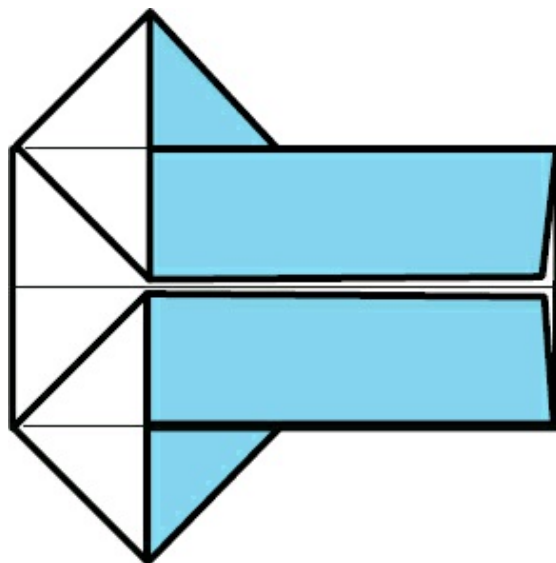
6 Make and unfold two small diagonal creases.



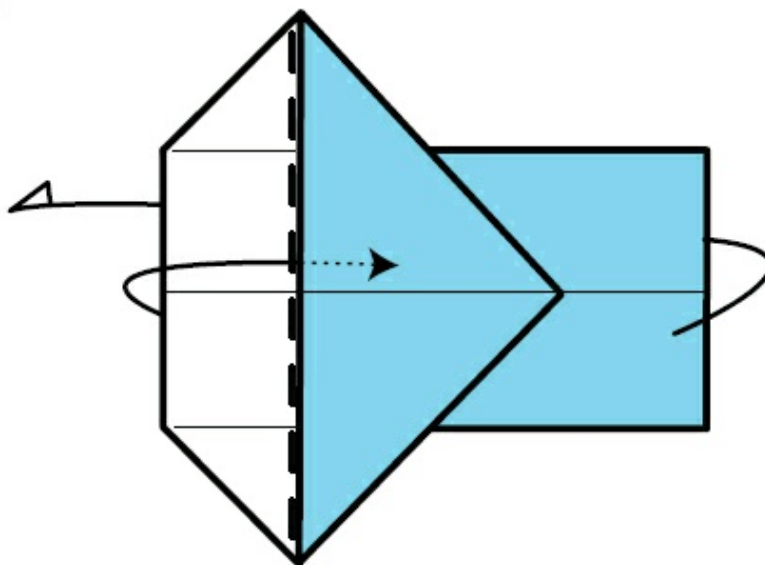
7 Fold the left side over - the crease passes through the circled intersections.



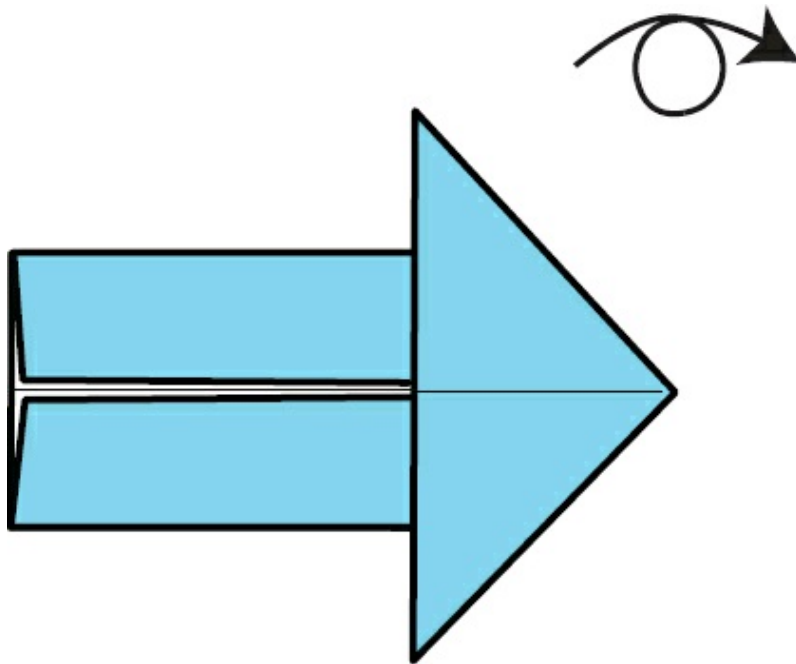
8 Fold upper and lower edges to the center, squashing on the left.



9 The result. Turn the paper over.



10 Tuck the white area under the colored triangle, allowing the lower section to flip to the left.

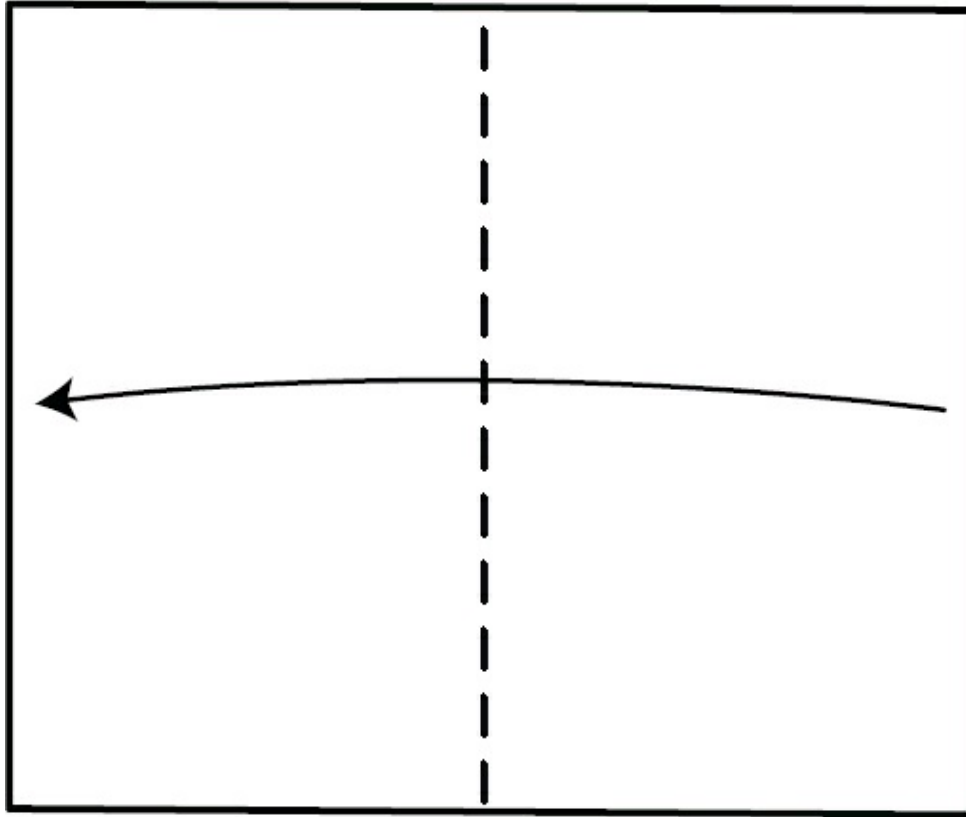


11 The result. Turn the paper over.

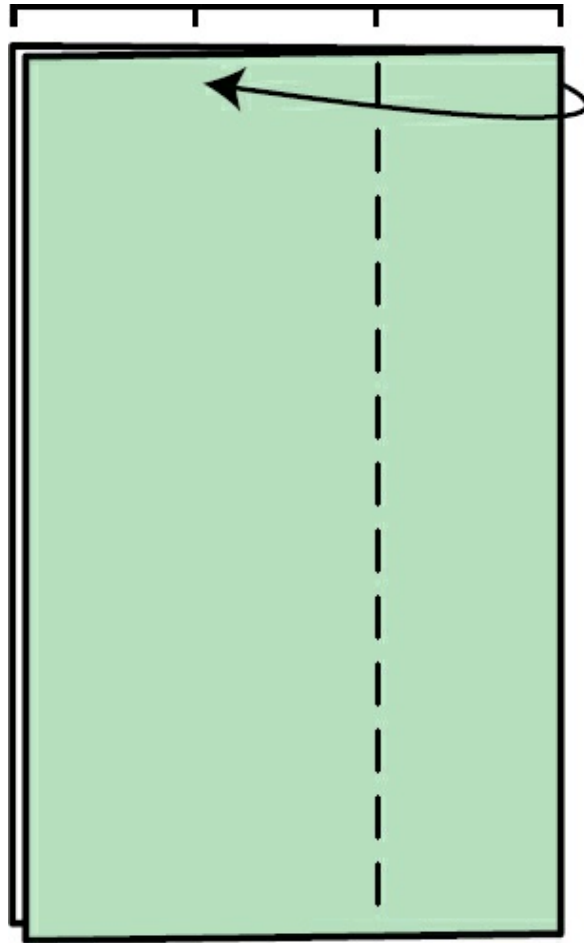
Slippers



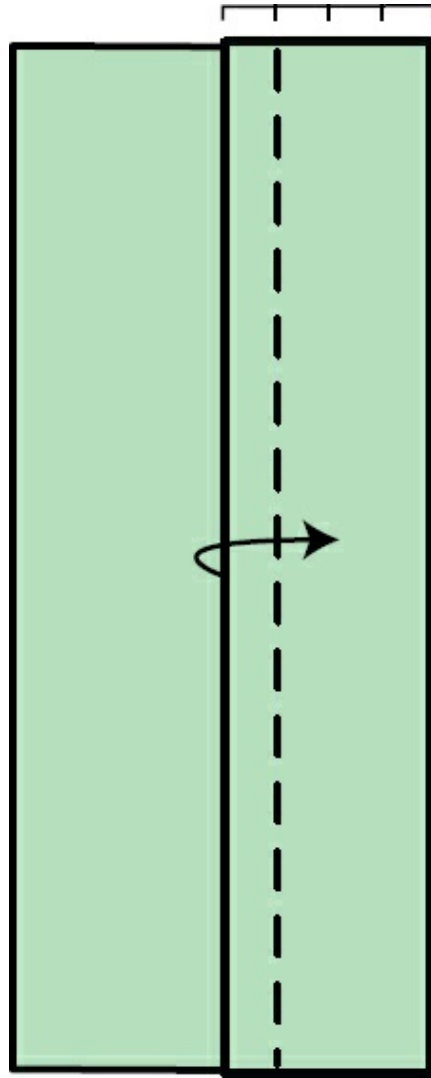
A quick and easy way to make yourself a pair of bedroom slippers. For extra strength, fold two sheets of newspaper at the same time.



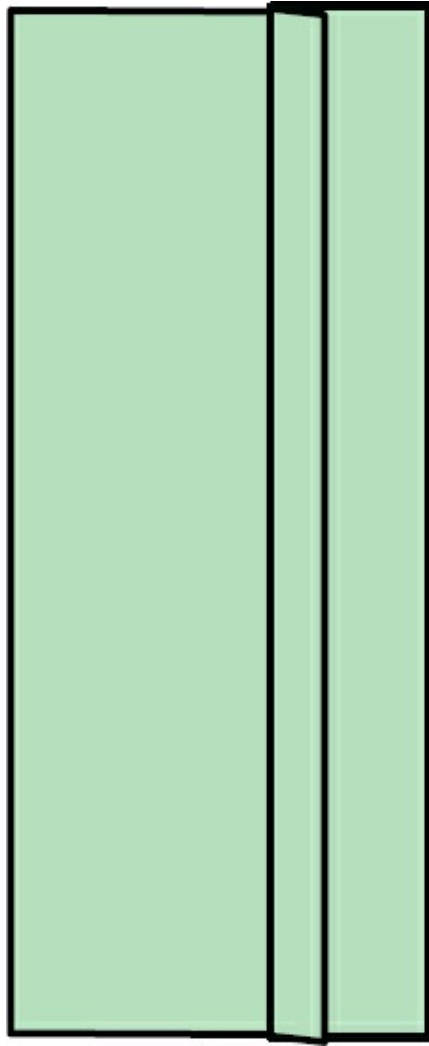
- 1 Fold a sheet of newspaper in half sideways.



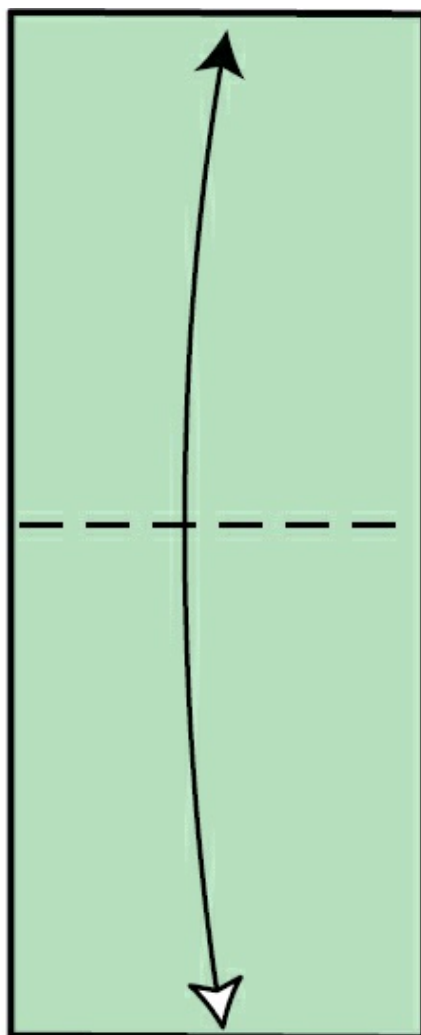
2 Fold one third from right to left.



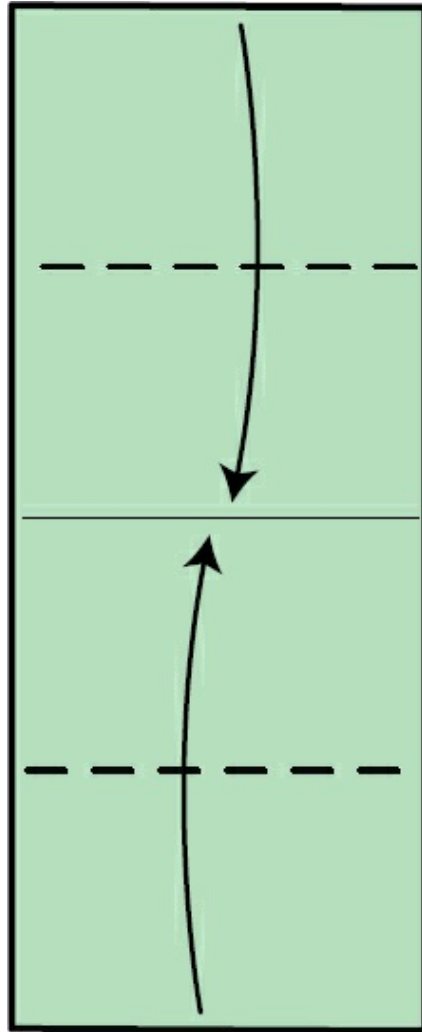
3 Fold one quarter of the upper layer to the right.



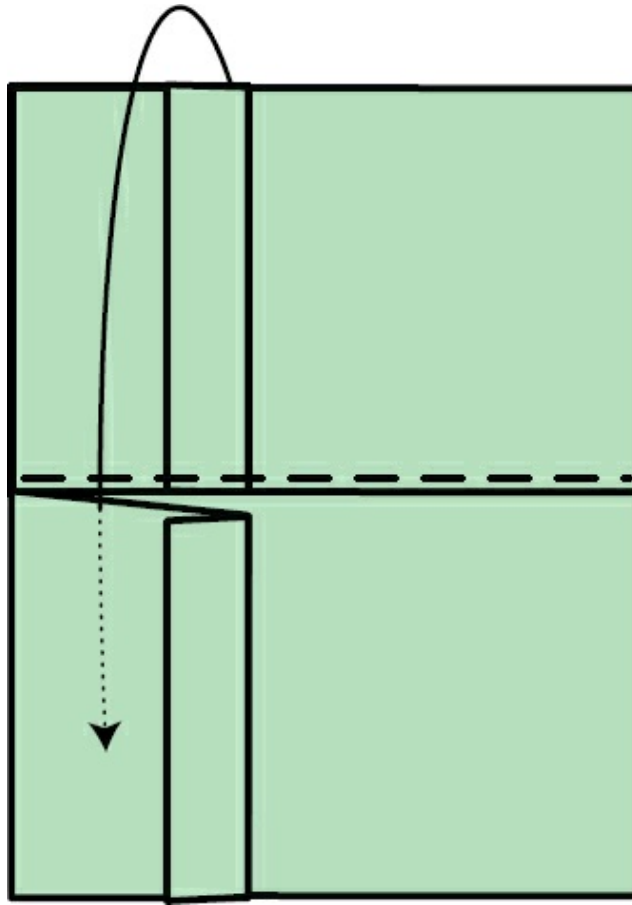
4 The result. Turn the paper over.



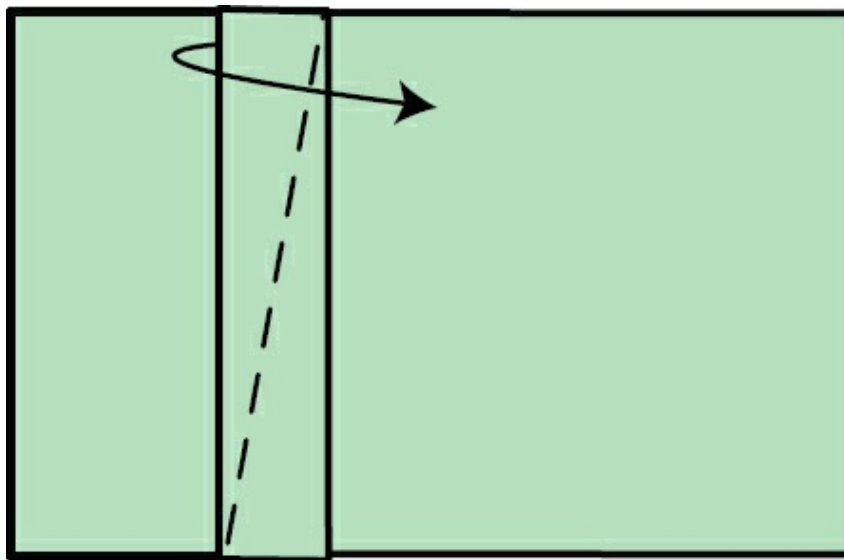
5 Fold in half downwards.



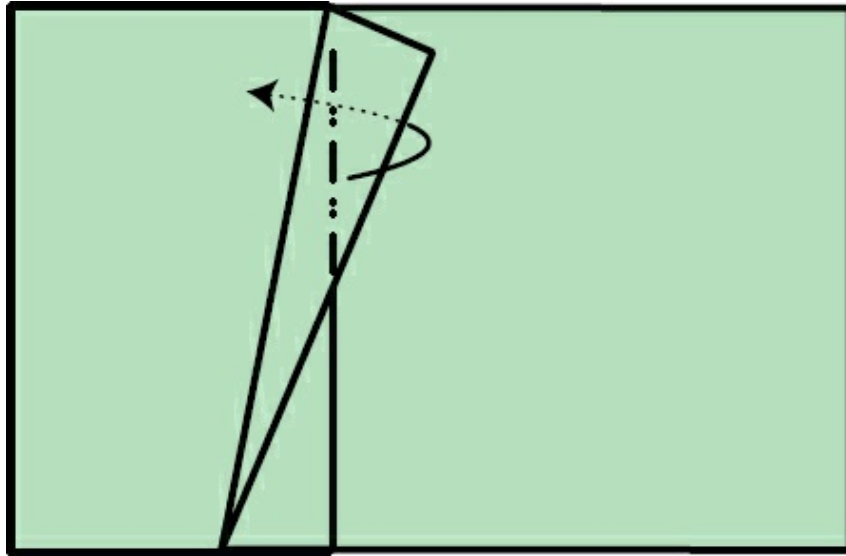
6 Fold upper and lower edges to the center.



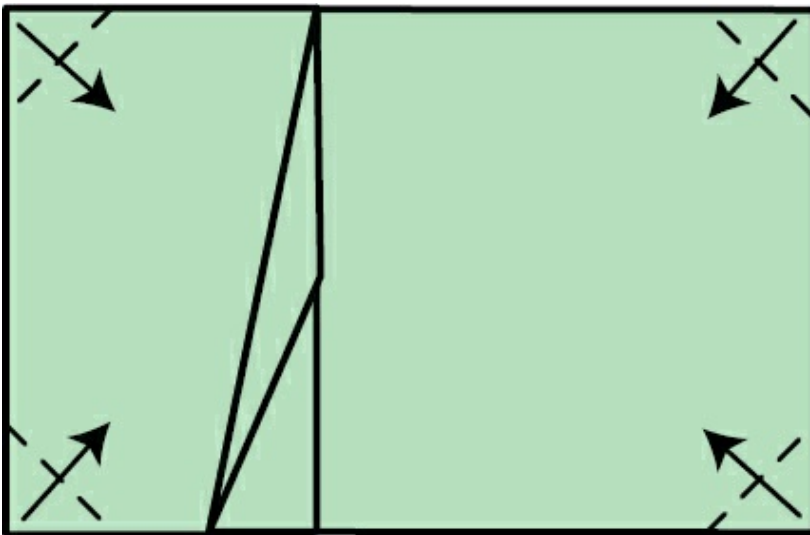
7 Fold the top half down and tuck underneath the lower layer.



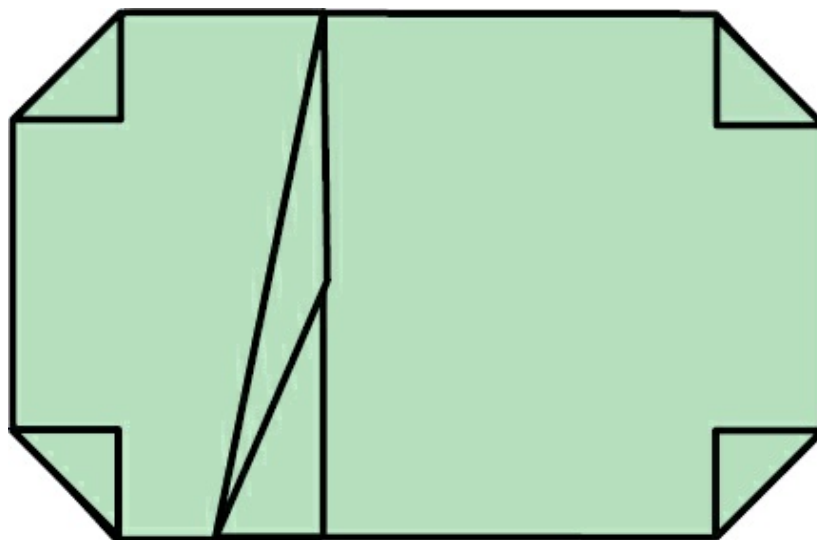
8 Fold a layer to the right.



9 Wrap the paper behind the layer beneath it.



10 Fold all four corners in a little way.

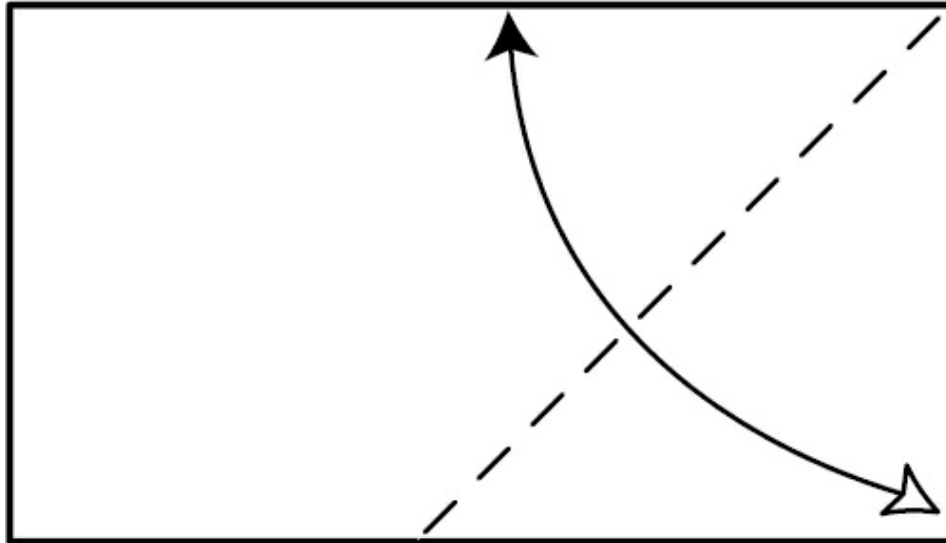


11 Turn the paper over.

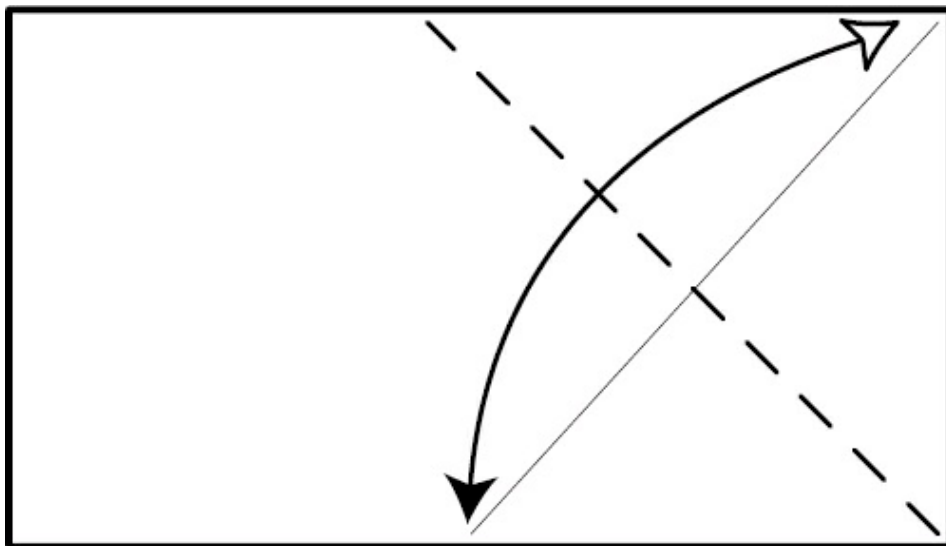
Jumping Frog



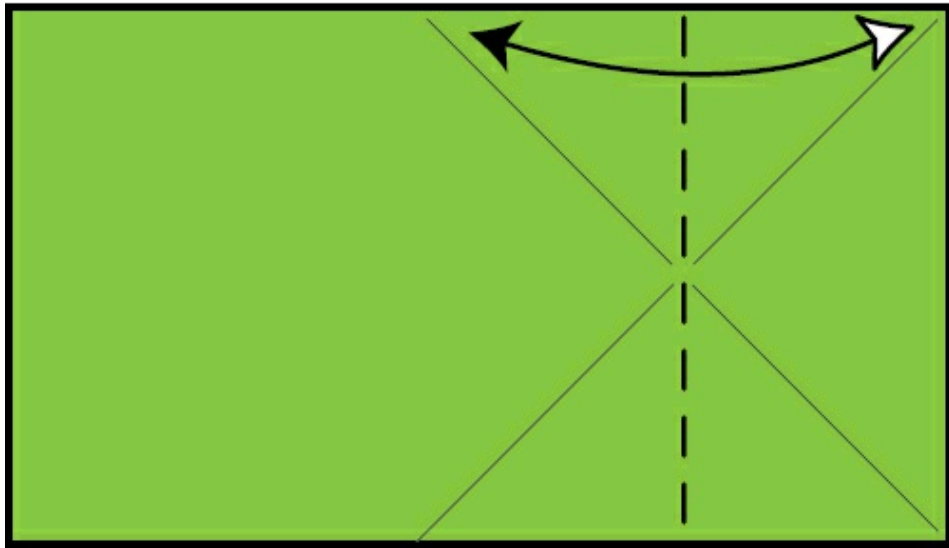
This wonderful toy can jump long distances when made from the right material. Thin plastic metro cards are ideal, ordinary business cards will also work.



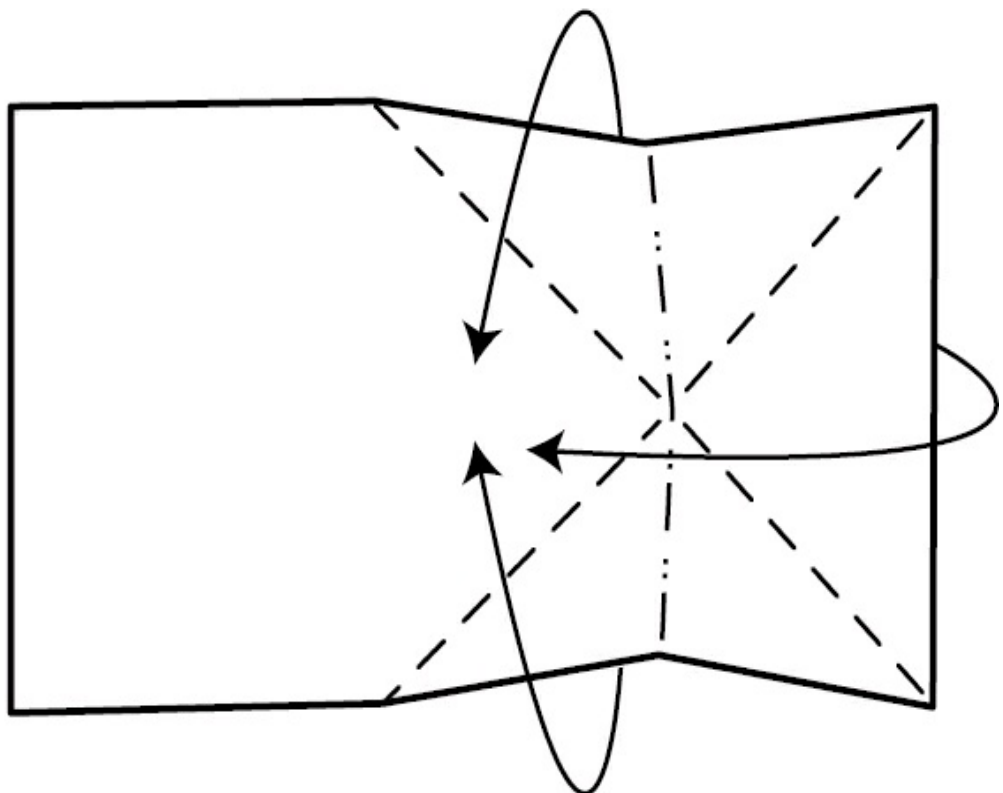
- 1 Using a business card, fold the right edge to the upper, crease and unfold.



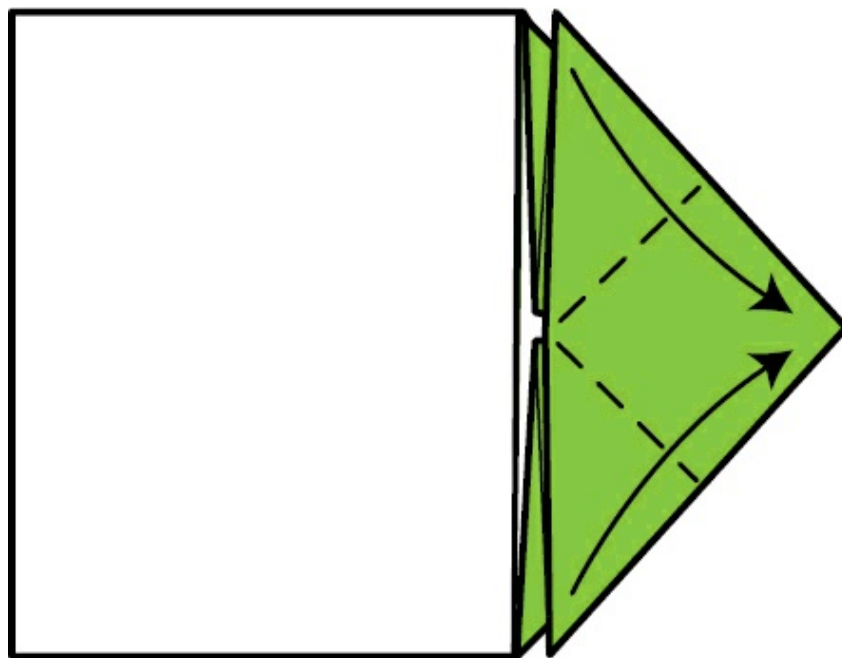
- 2 Fold the same edge to the lower edge, crease and unfold. Turn the paper over.



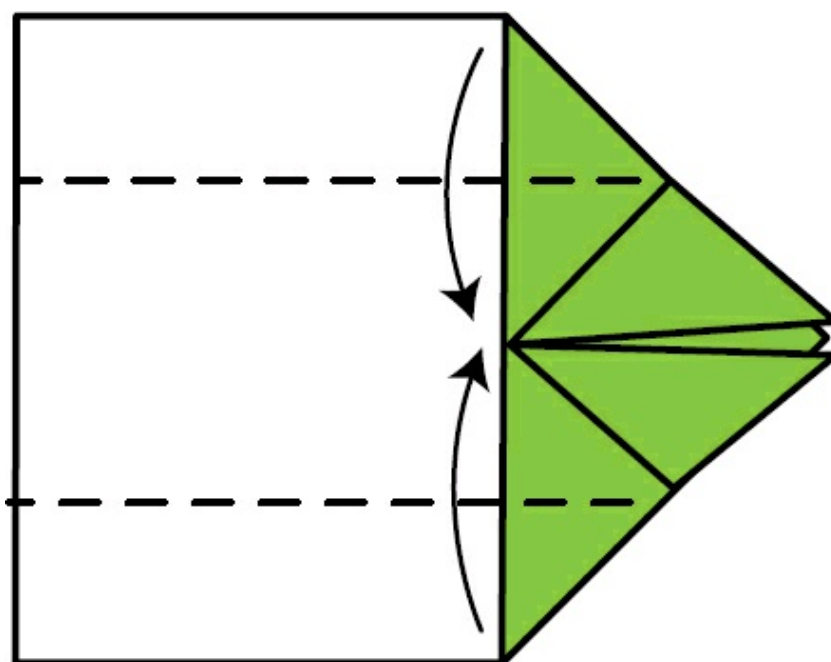
3 Fold the left edge to the ends of the creases, then unfold. Turn the paper over.



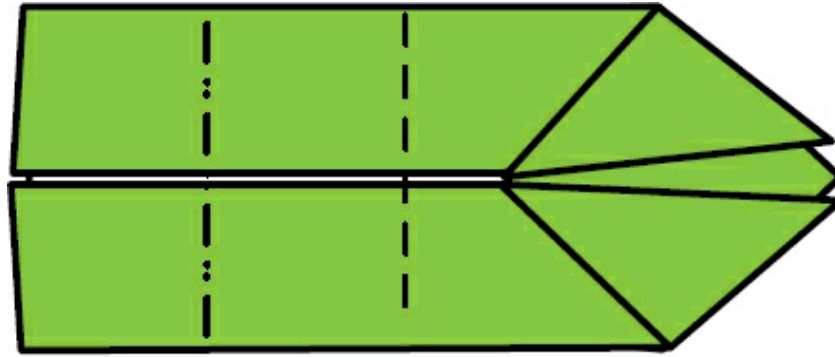
4 Collapse the paper to the left.



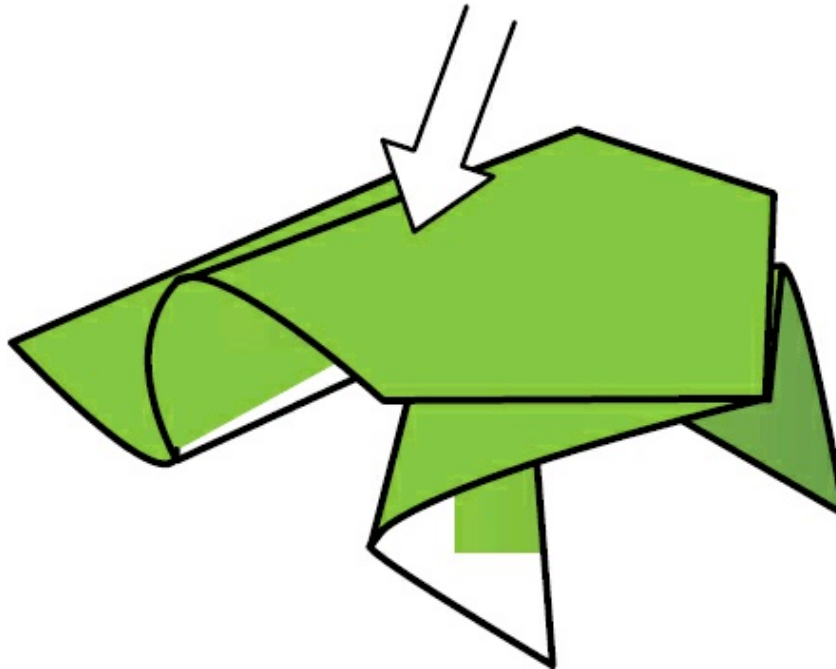
5 Fold the loose corners to either side of the right-angled corner.



6 Fold upper and lower edges to the center.



7 Form an "S" shaped curve. Do not crease firmly!

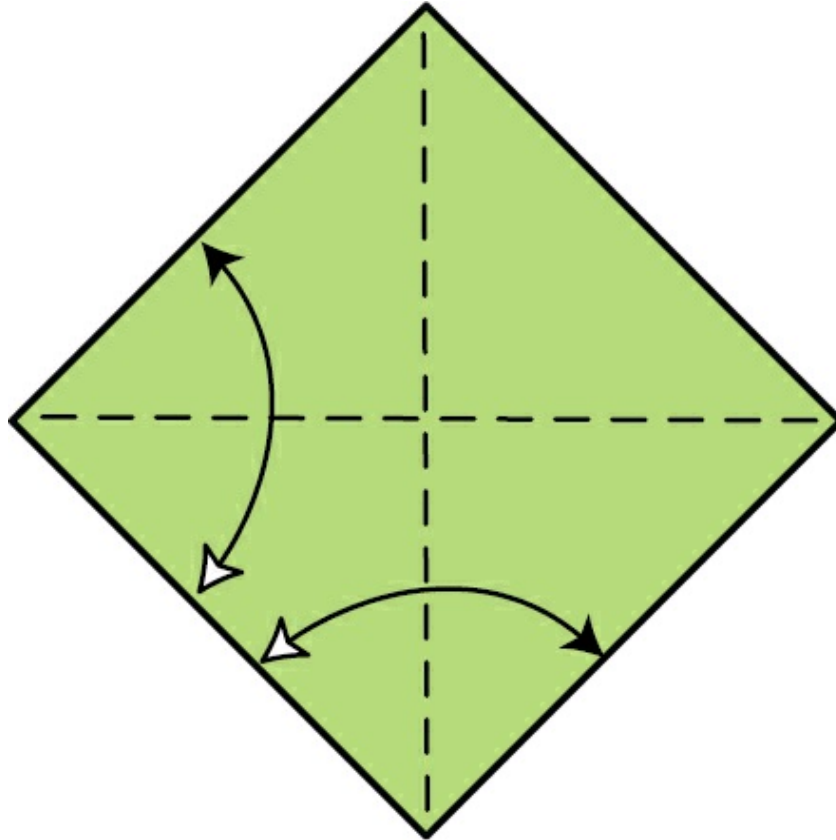


8 Press down gently on the back of the model, then flick your finger backwards to make it jump!

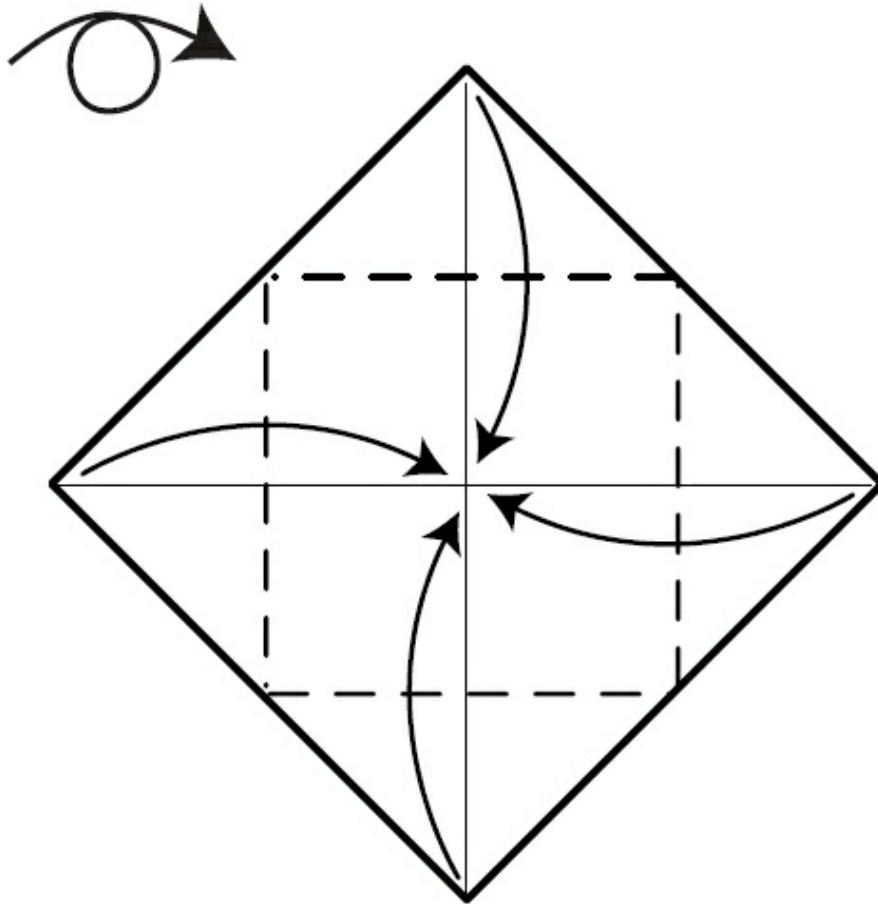
Bellflower



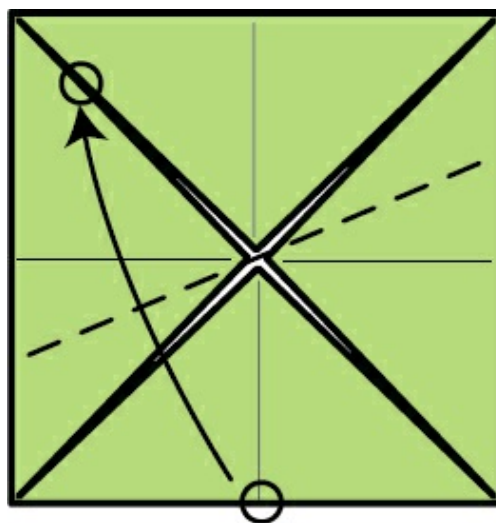
This design requires a square of paper. Try folding from a candy wrapper or a square made from a tea bag wrapper.



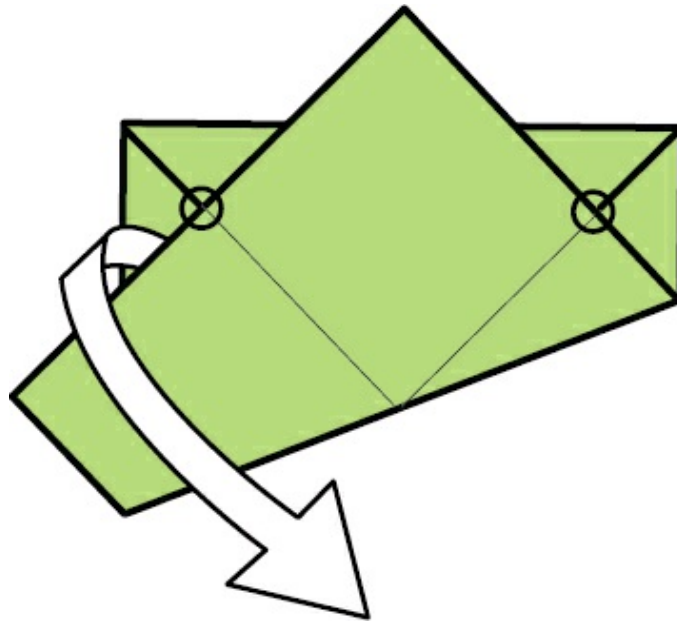
- 1 Fold corner to opposite corner, crease and unfold in both directions, then turn the paper over.



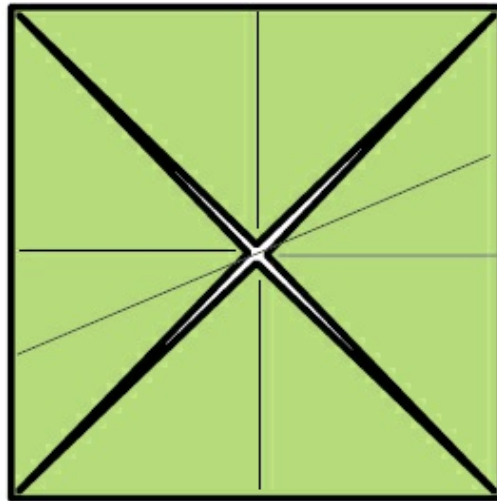
2 Fold all four corners to the center.



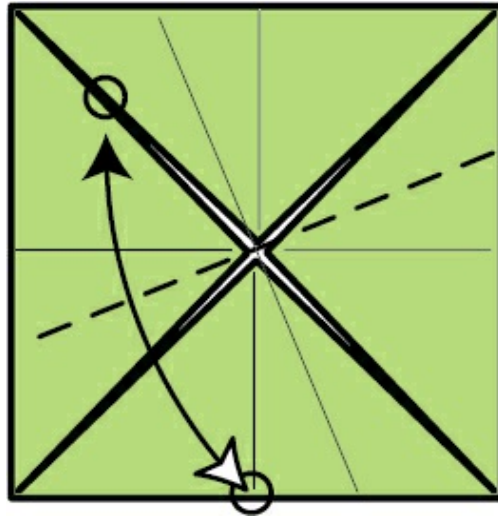
3 Fold through the center of the paper so the circled points meet.



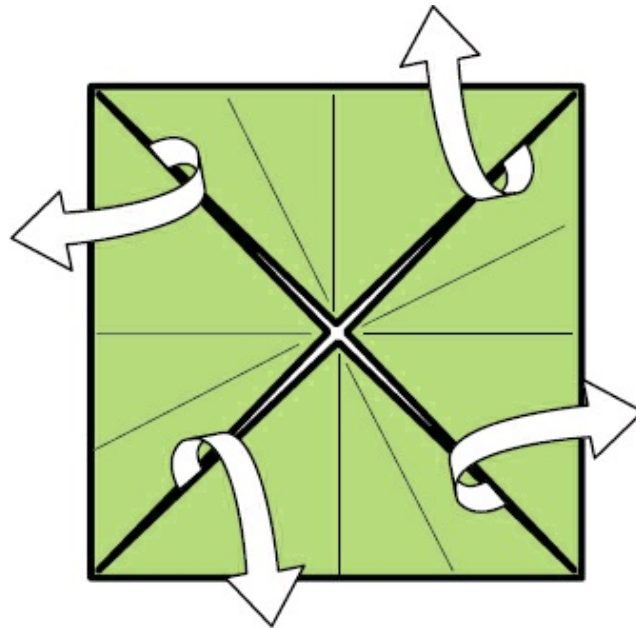
4 Note the circled areas. Unfold the last step.



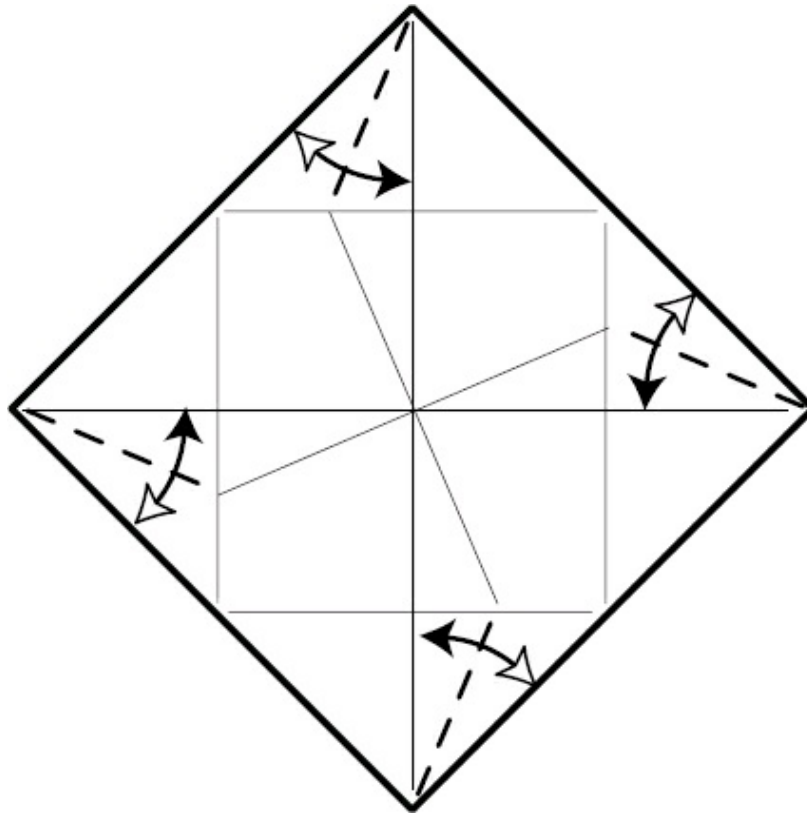
5 Rotate the paper 90 degrees clockwise.



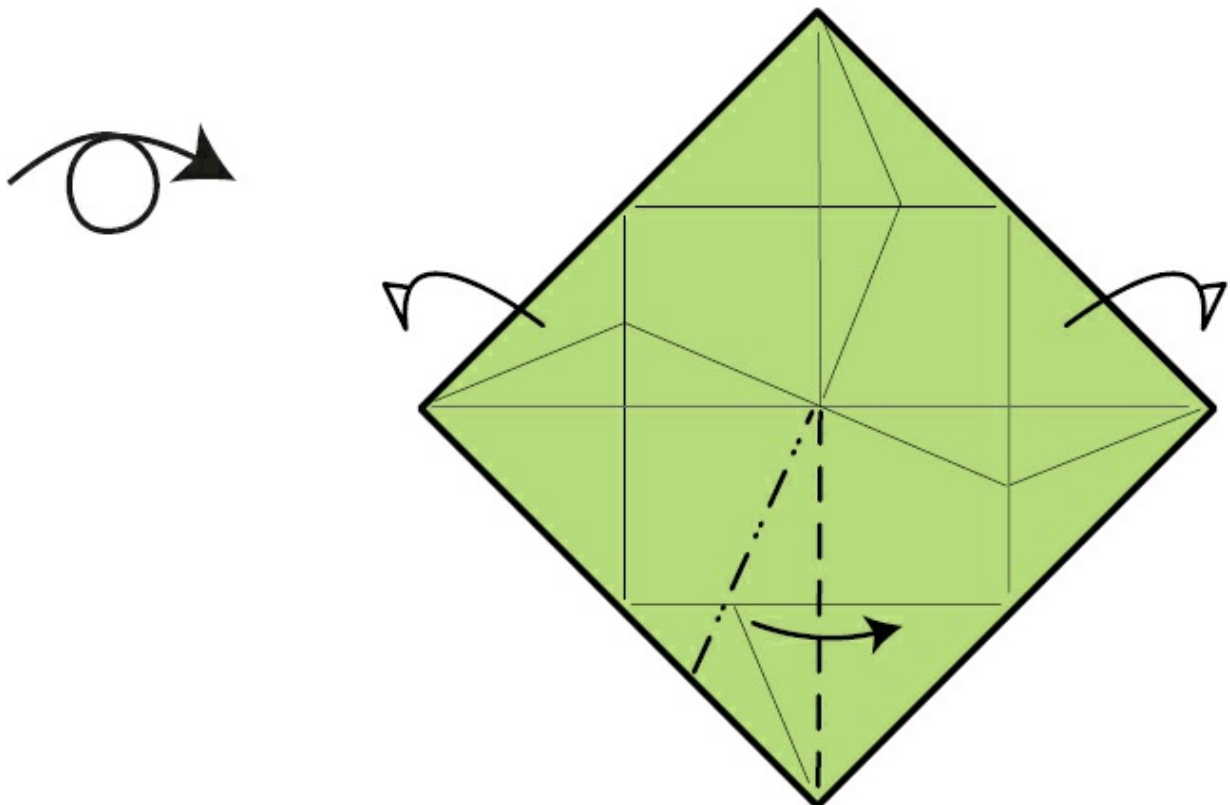
6 Repeat steps 4-5.



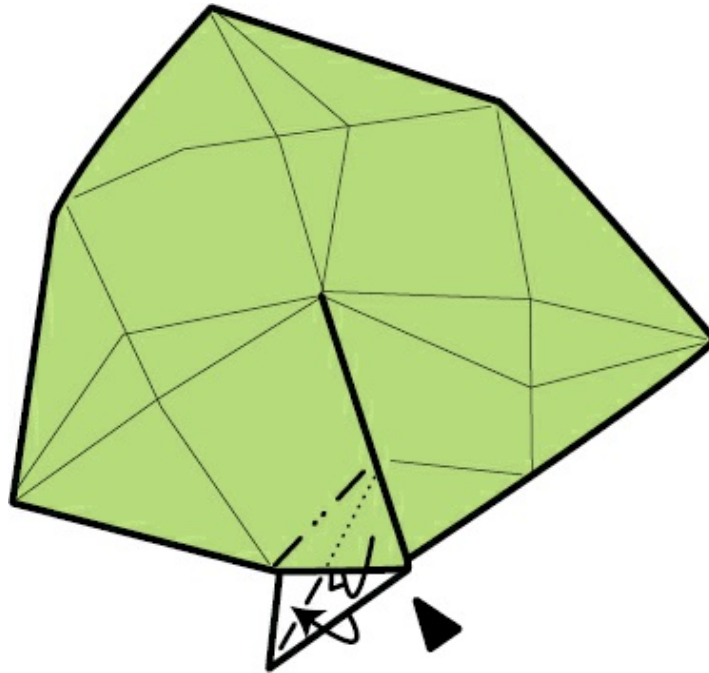
7 Unfold back to a square.



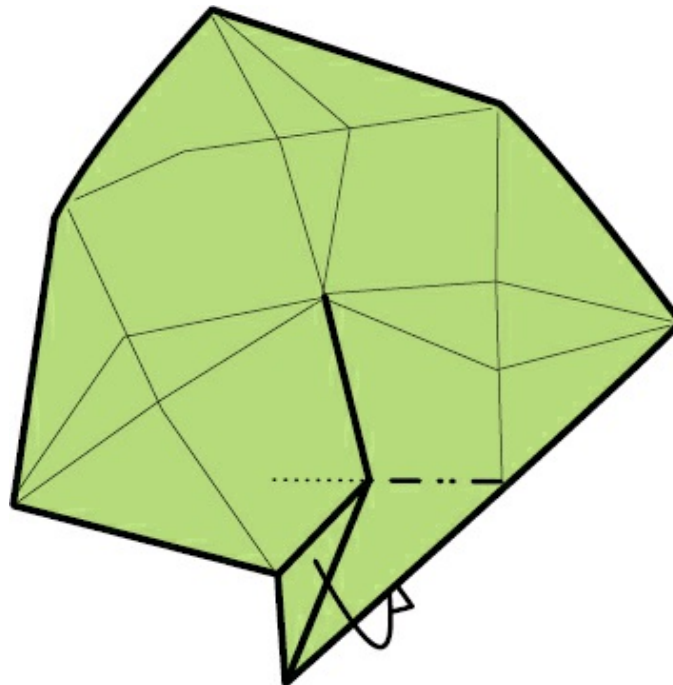
8 Reinforce these creases as valleys. Turn the paper over.



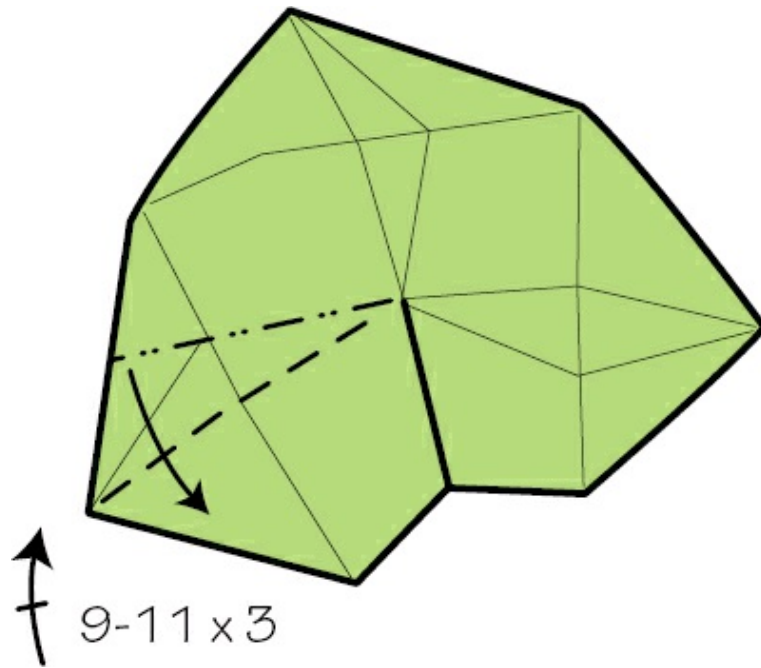
9 Make a pleat so that the sides of the paper fold away from you.



10 Fold the white raw edge to the white folded edge, tucking paper underneath.



11 Fold the lower pointed flap inside so the tip touches the center of the model.

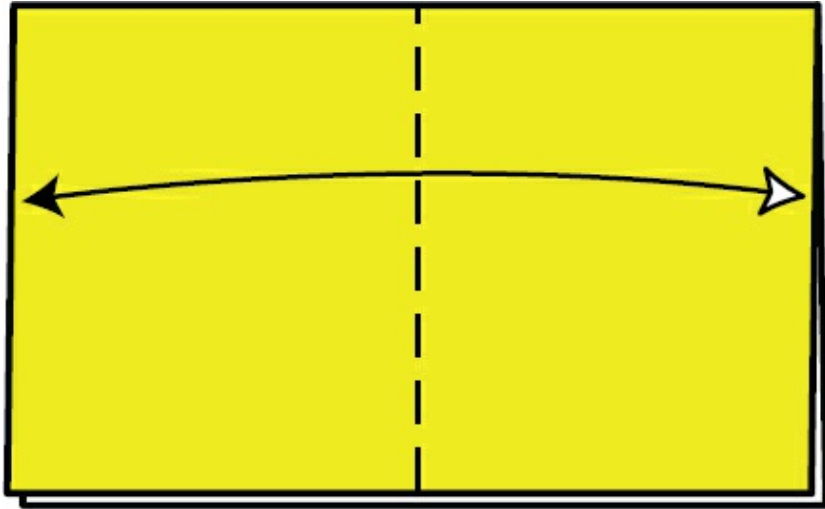


12 Repeat steps 9-11 on the three remaining corners.

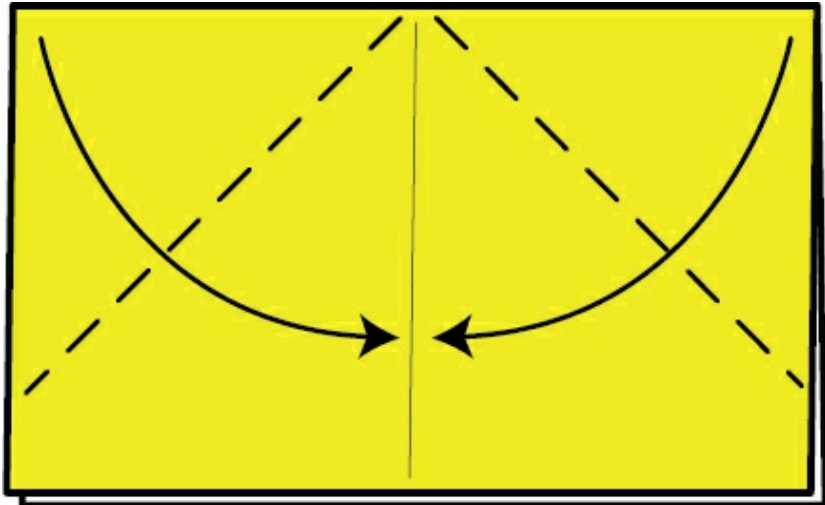
Printer's Hat



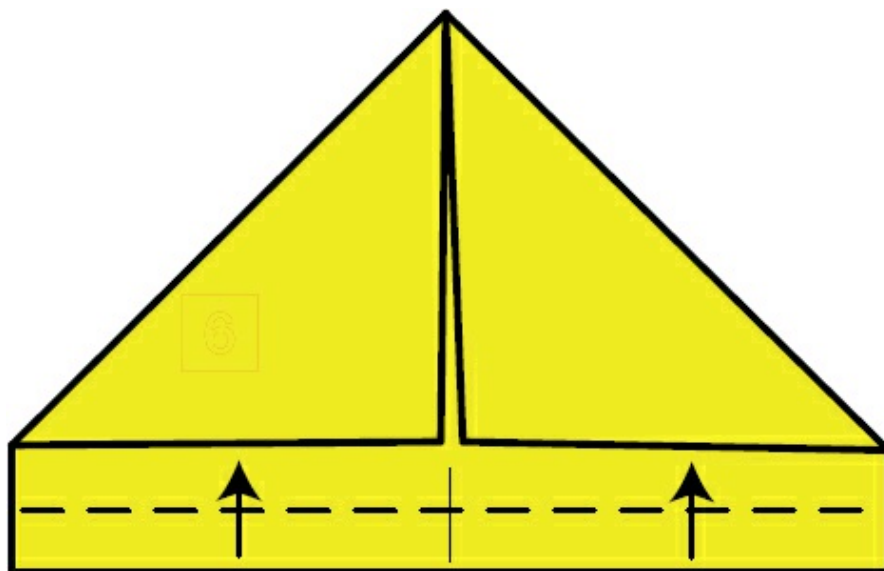
This design has traditionally been used by printers to protect their hair from ink. Fold it from any kind of newspaper. The width at step 8 should be roughly the size of your head.



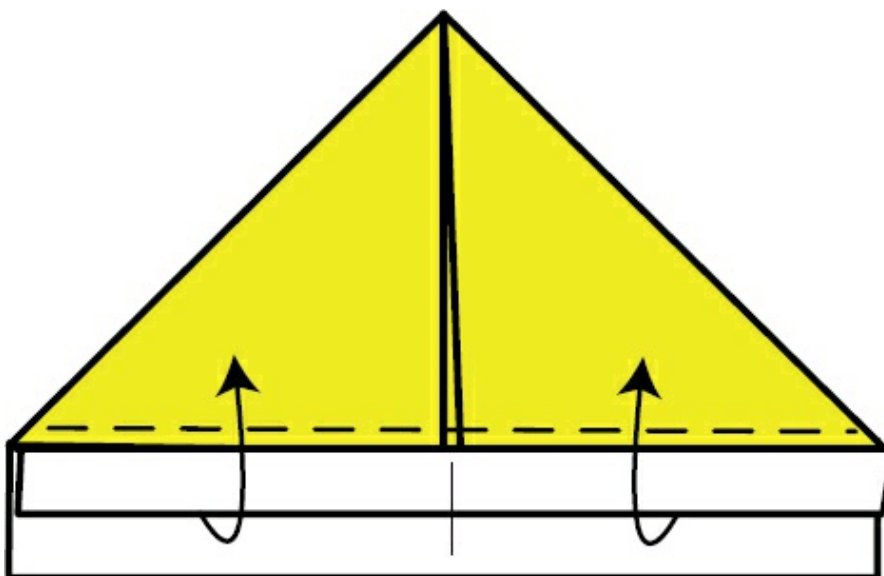
1 Fold in half sideways, crease and unfold.



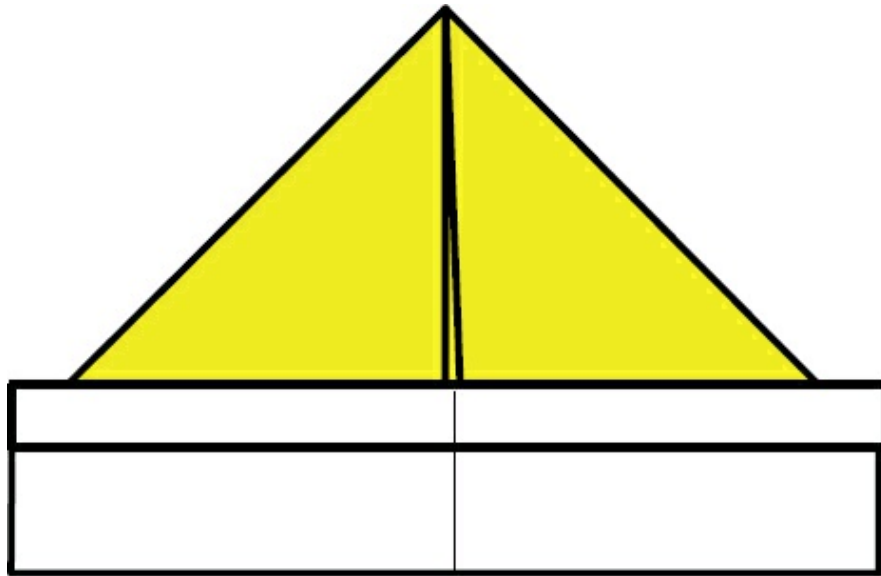
2 Fold each half of the upper edge to the vertical center.



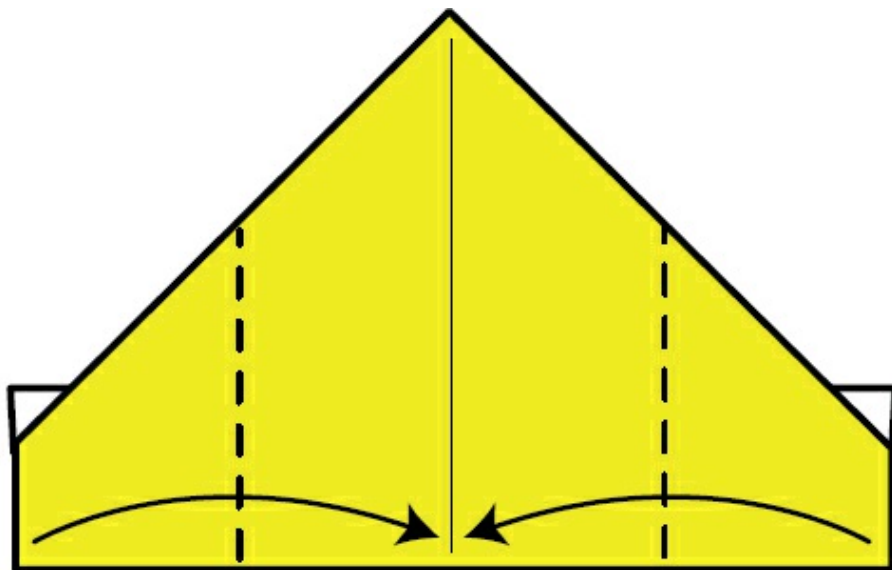
3 Fold one edge upwards.



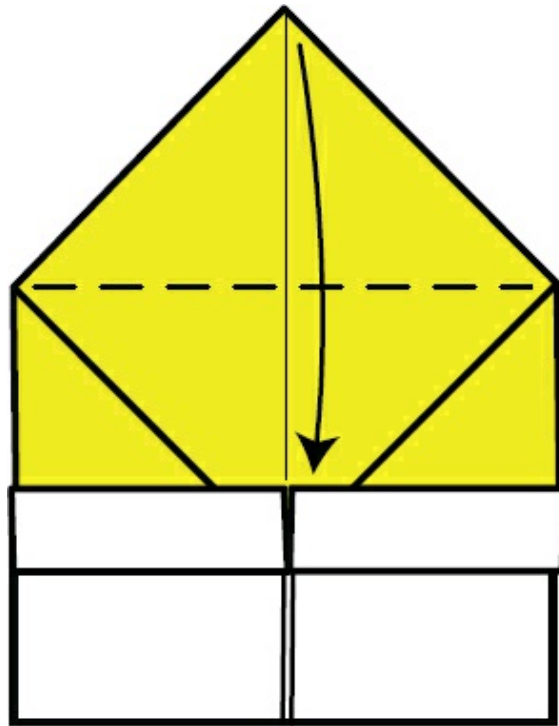
4 Fold the double layer over again.



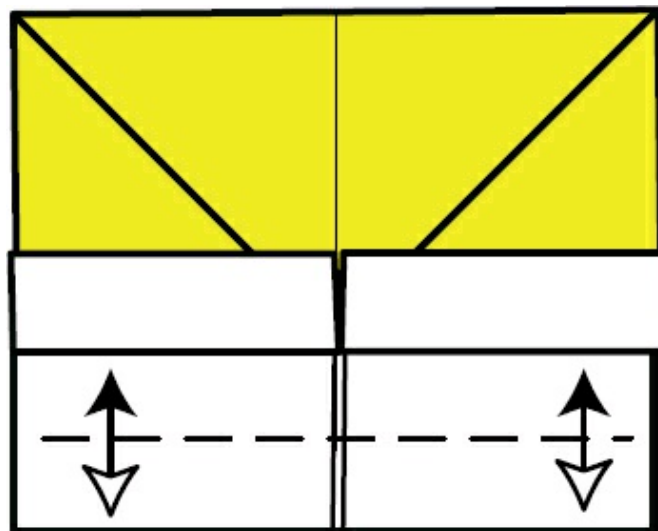
5 This is the result. Turn the paper over.



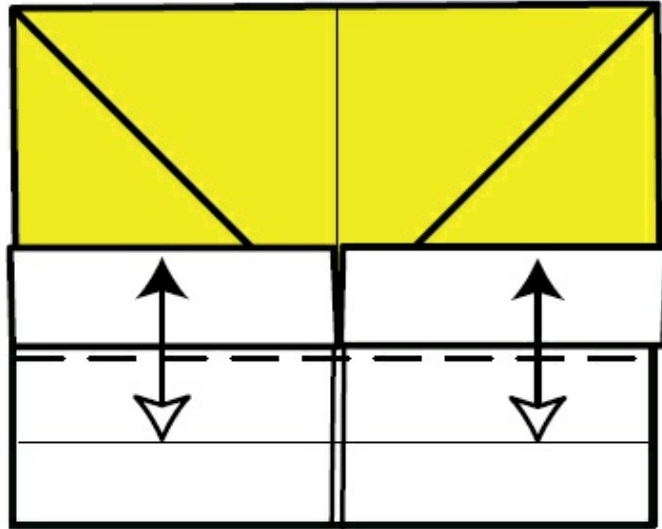
6 Fold the sides to the vertical center.



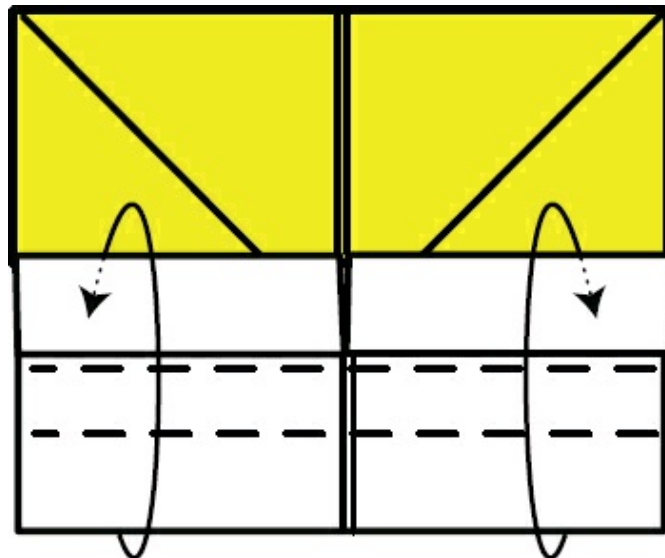
7 Fold top corner down and tuck under the white layer.



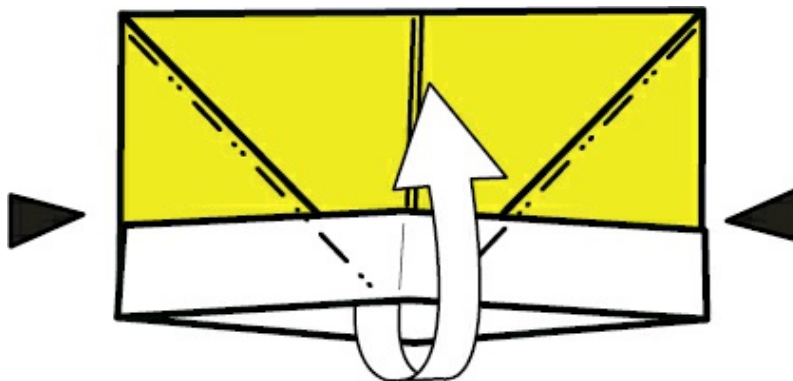
8 Fold the lower white section in half, crease and unfold.



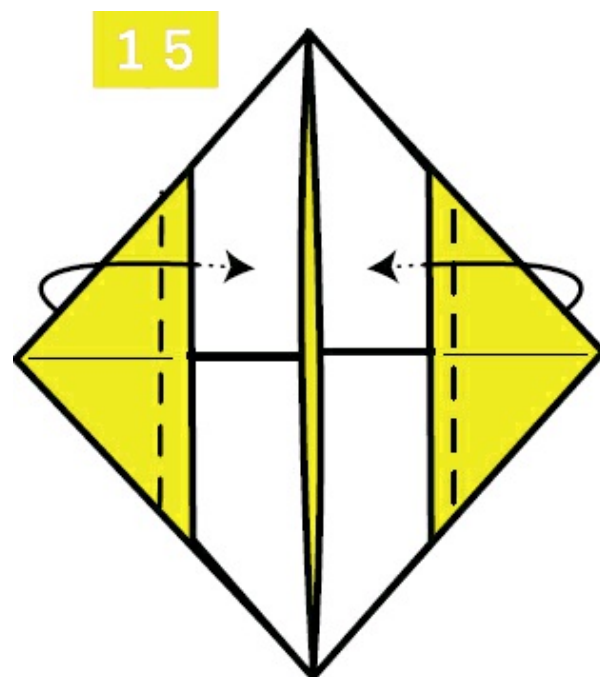
9 Fold the lower white section upwards, crease and unfold.



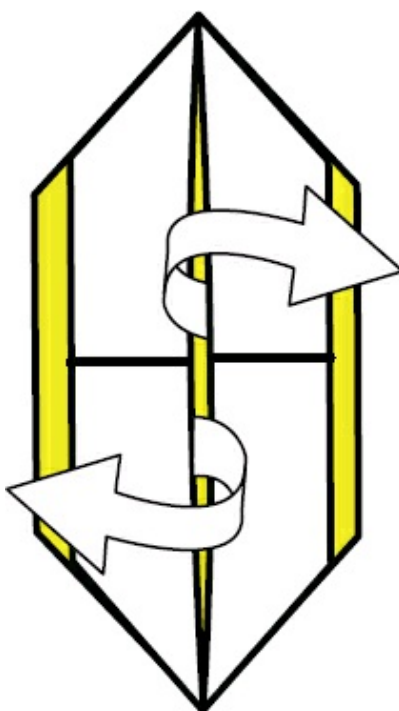
10 Fold the lower edge upwards and tuck into a pocket.



11 Lift up the lower center, open and flatten the sides in.



12 Fold the sides in and tuck them into pockets.

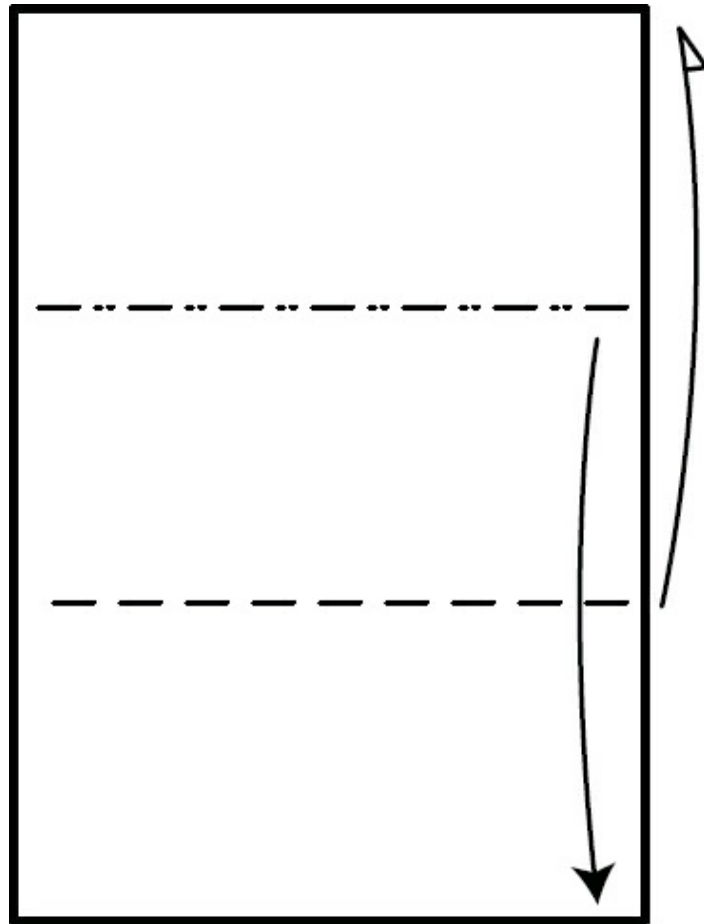


13 Open out to 3D.

Hex-Letterfold



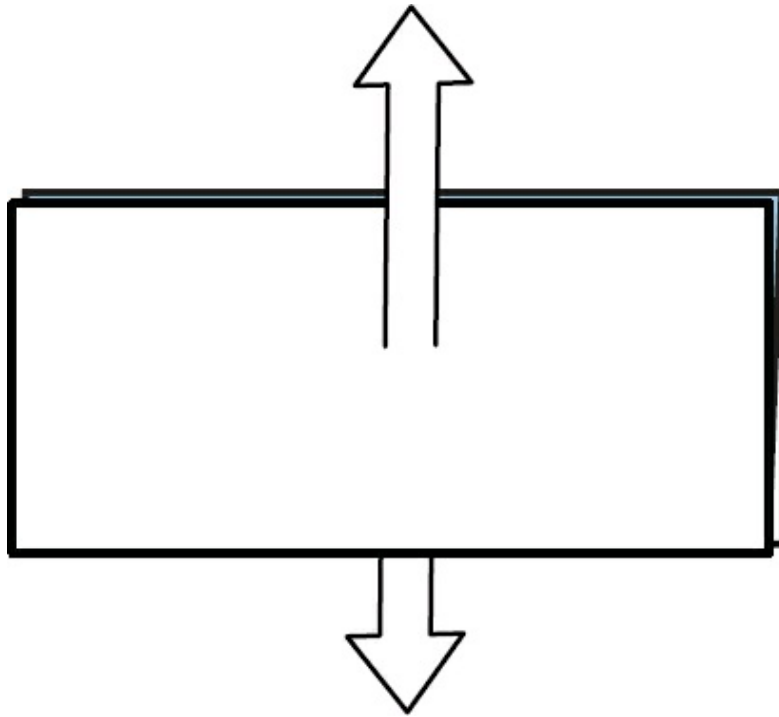
There are many ways to fold paper into an envelope. Here is one that produces a hexagonal profile. Fold from junk mail!



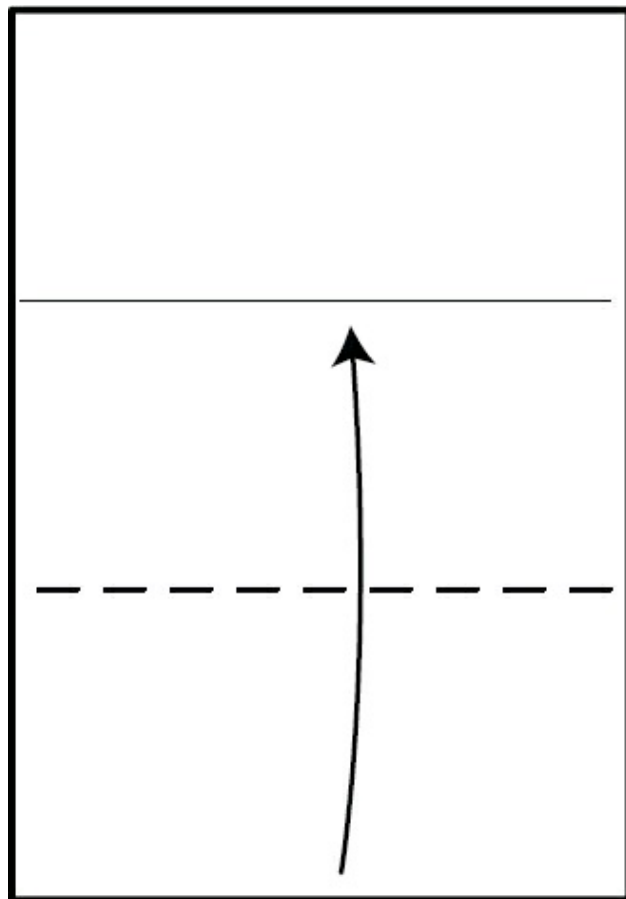
- 1 Begin to form the paper into an “S” curve, without sharp creases.



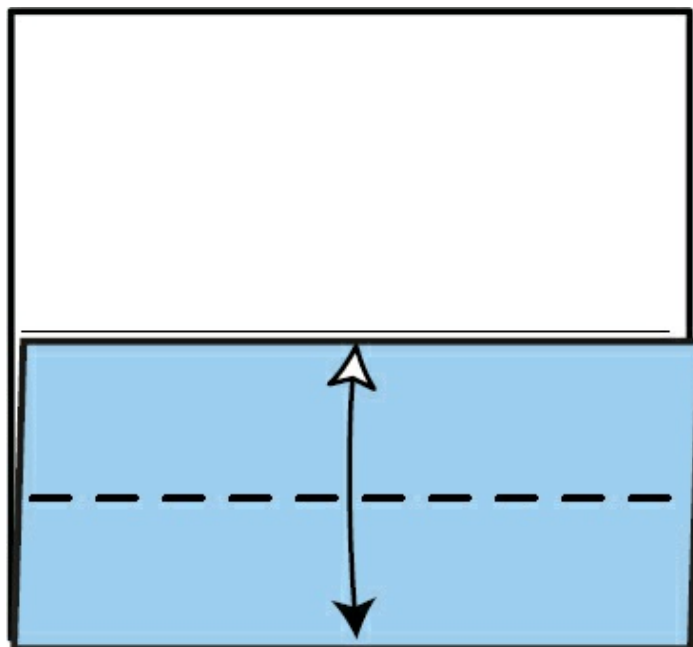
- 2 Adjust the curves until the edges line up, then flatten the paper.



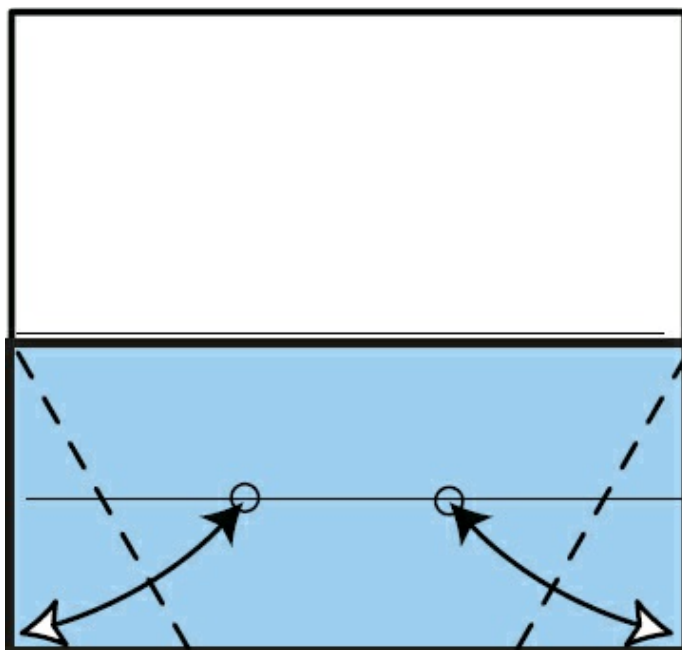
3 Open the paper.



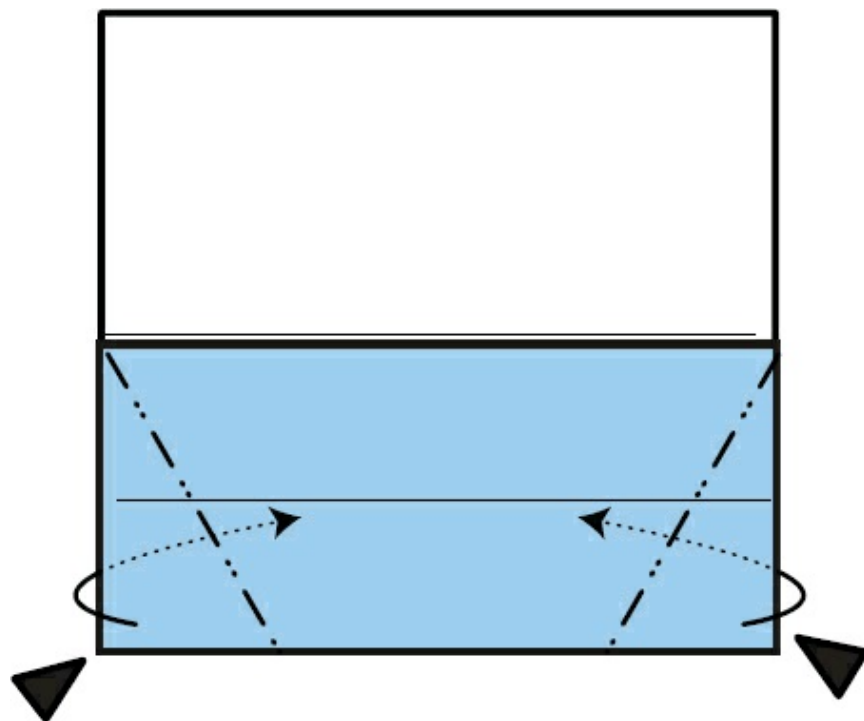
4 Fold the lower third upwards.



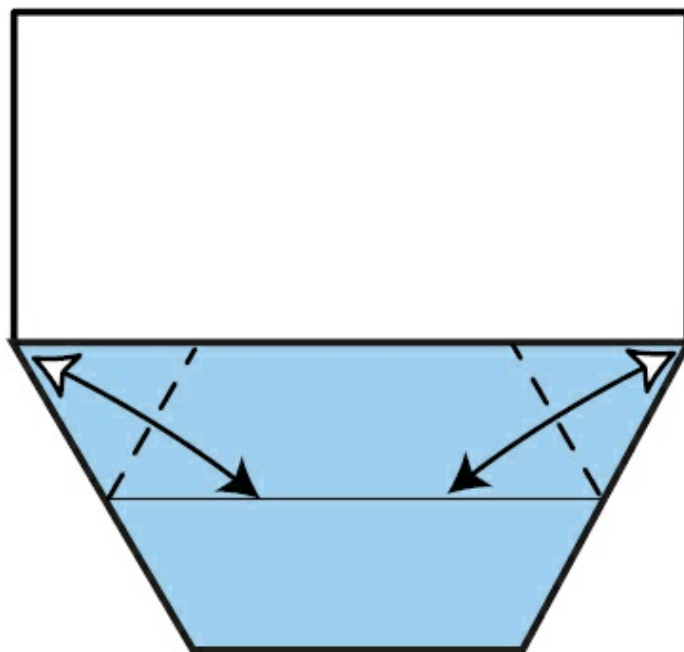
5 Fold the upper layer in half, then unfold.



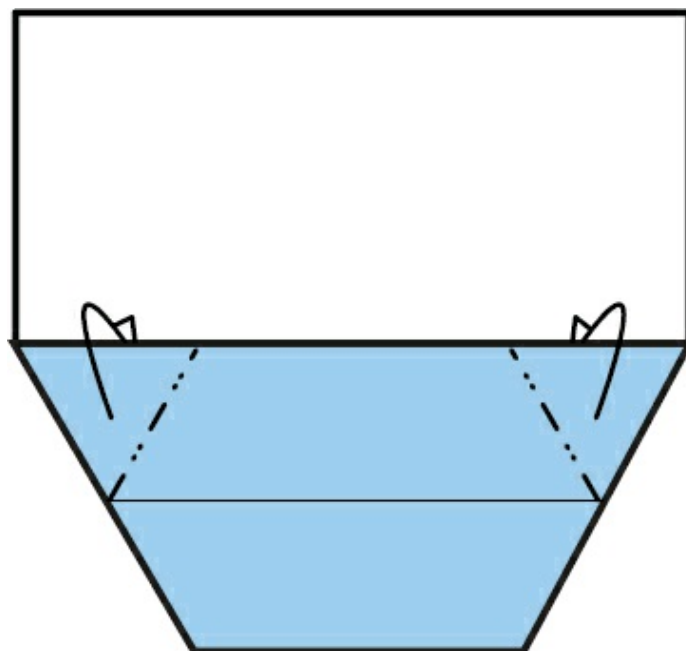
6 Fold each corner to lie on the crease, then unfold.



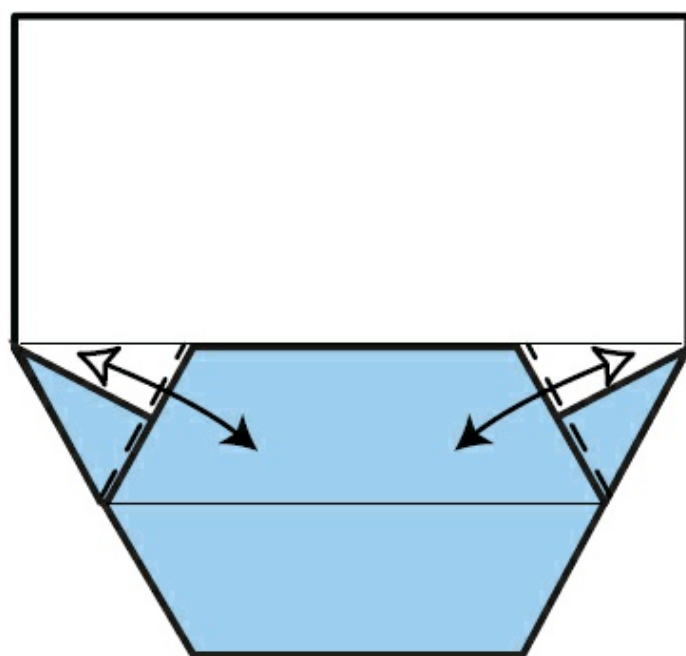
7 Reverse the corners inside.



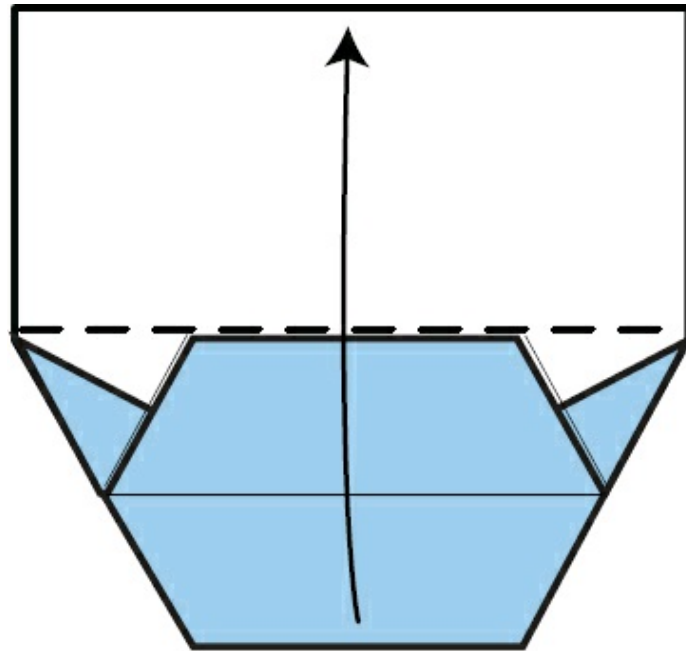
8 Fold the upper colored corners to lie on the crease, then unfold.



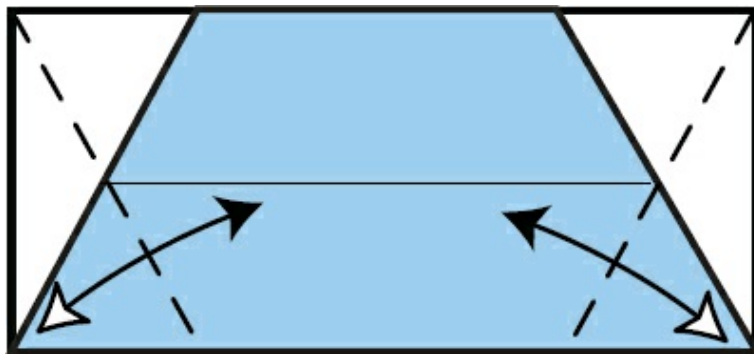
9 Fold the flaps behind.



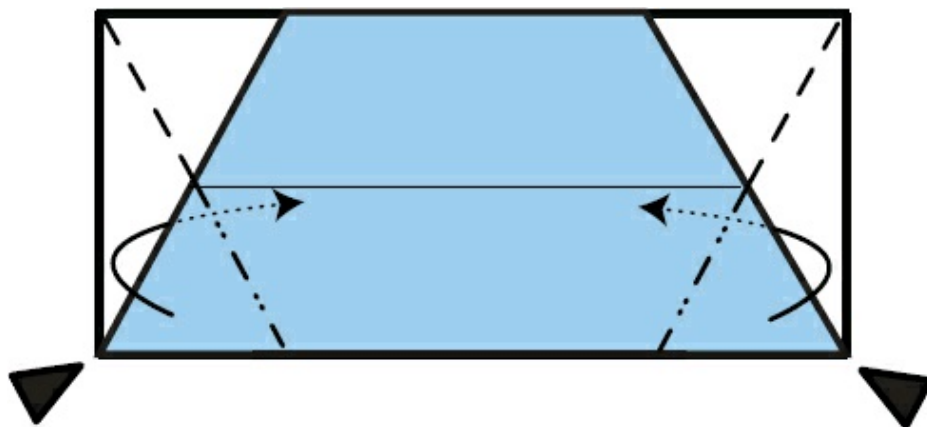
10 Fold the lower layers over an edge, then unfold.



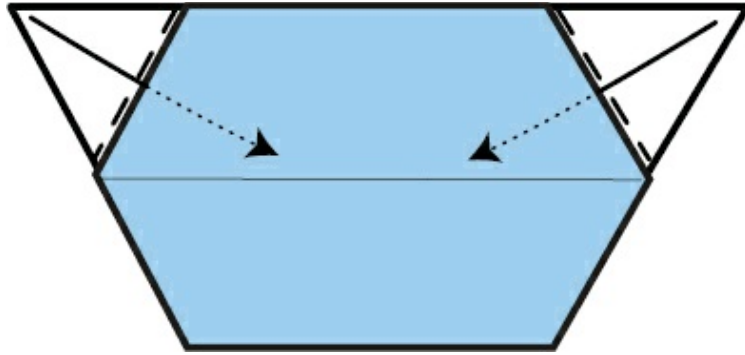
11 Fold in half upwards.



12 Extend existing creases to the corners.



13 Reverse the lower corners inside.

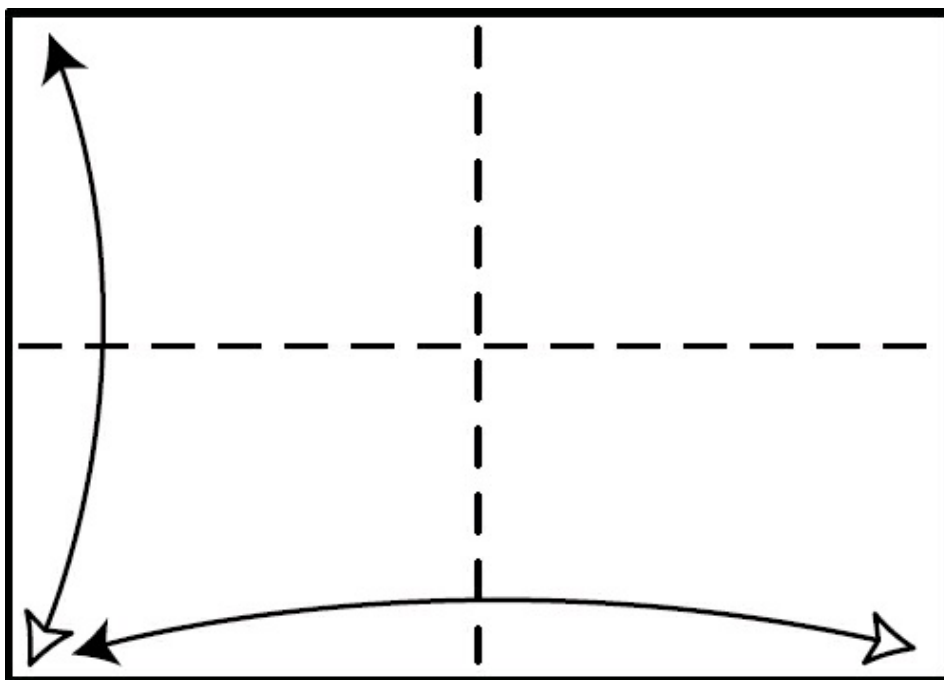


14 Tuck the corners into pockets.

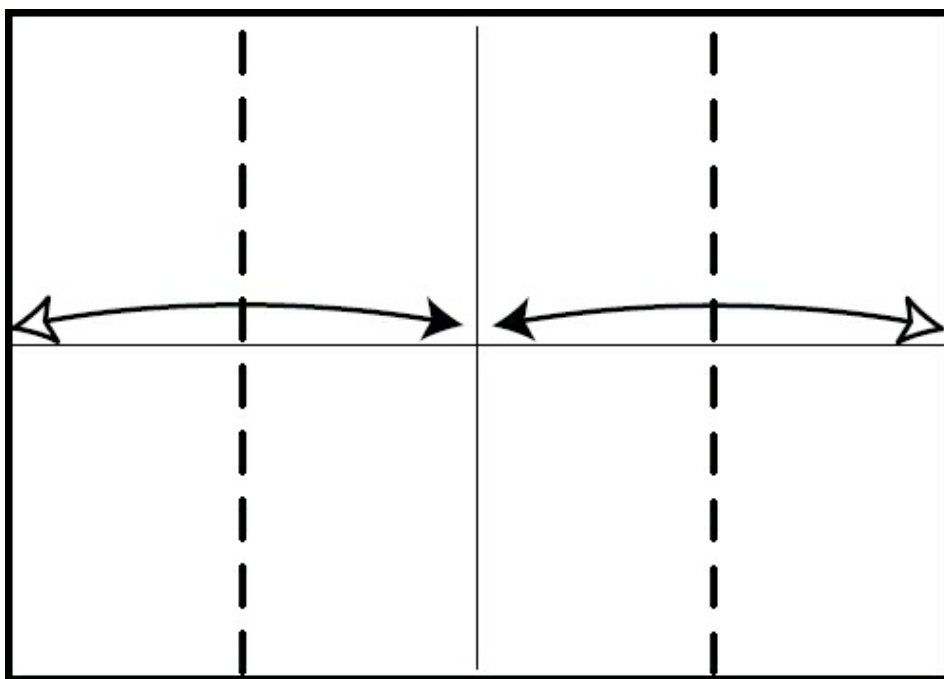
Mehlem Envelope



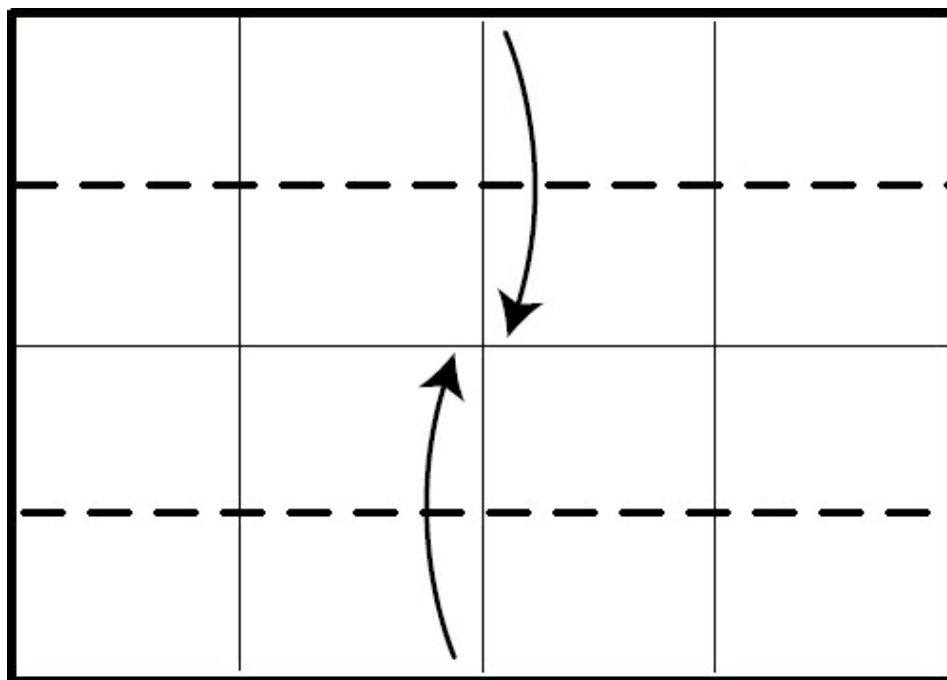
This envelope can be made from almost any shape of rectangle, so you can find folding material wherever you look. Add a stamp and it can actually be mailed!



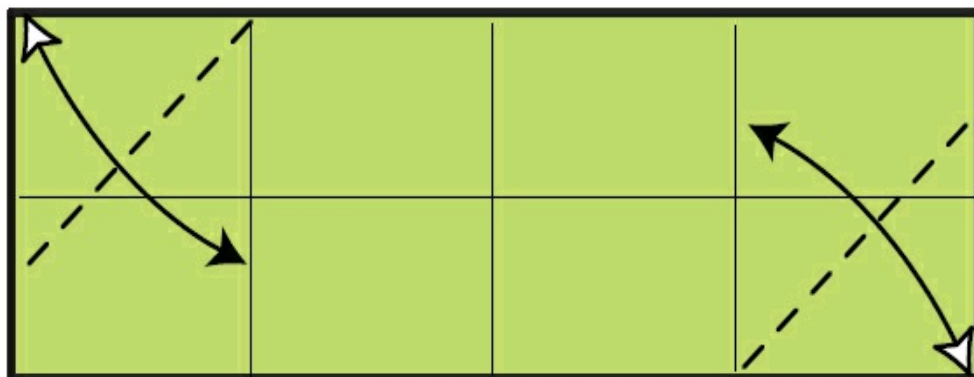
1 Crease in half in both directions, then unfold.



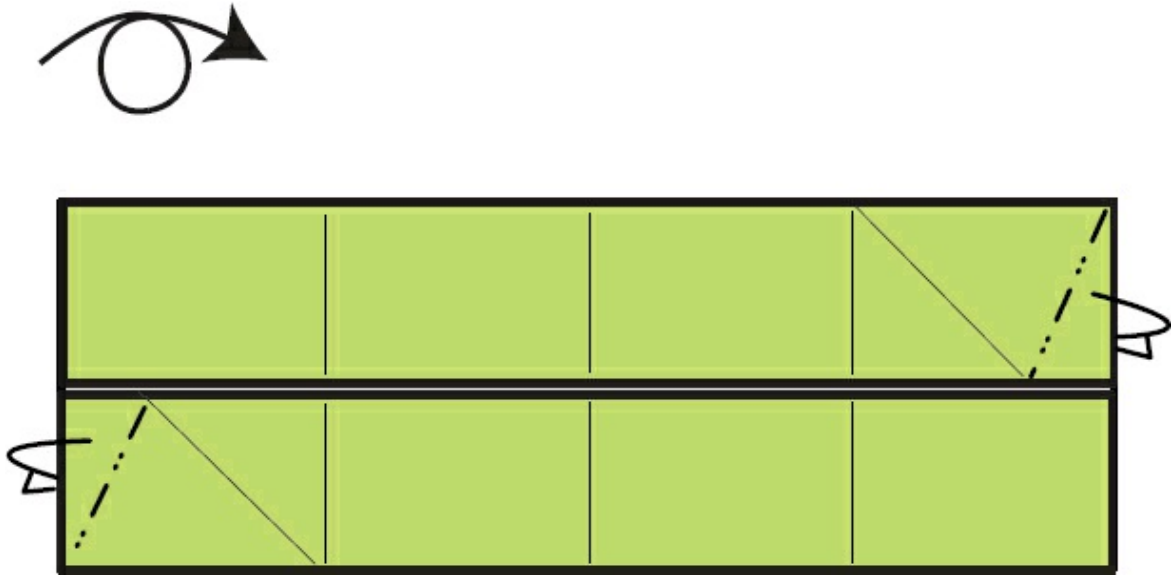
2 Fold the short edges to the center, then unfold.



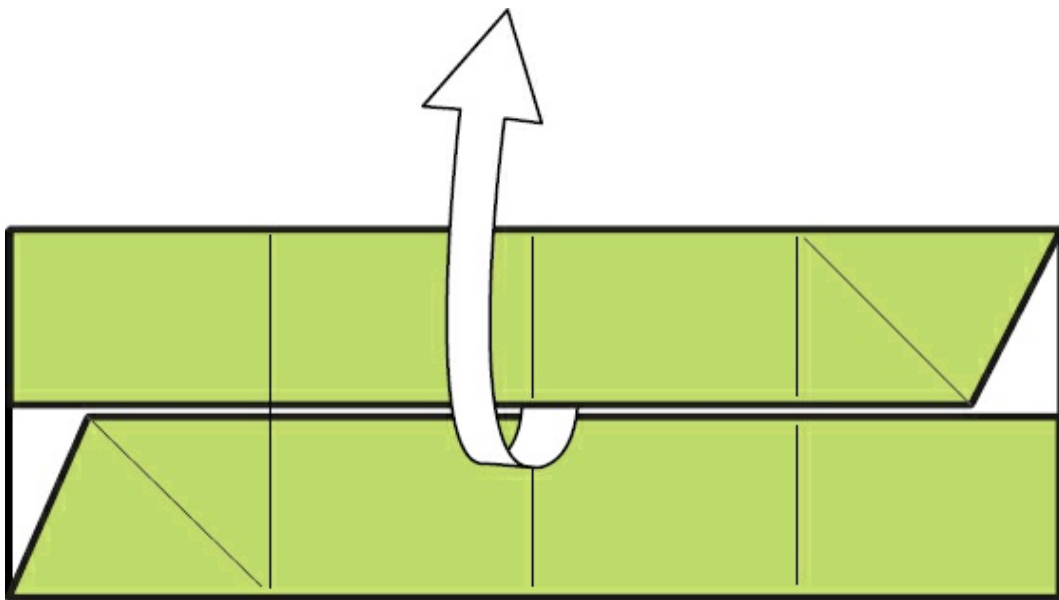
3 Fold the long edges to the center. Turn the paper over.



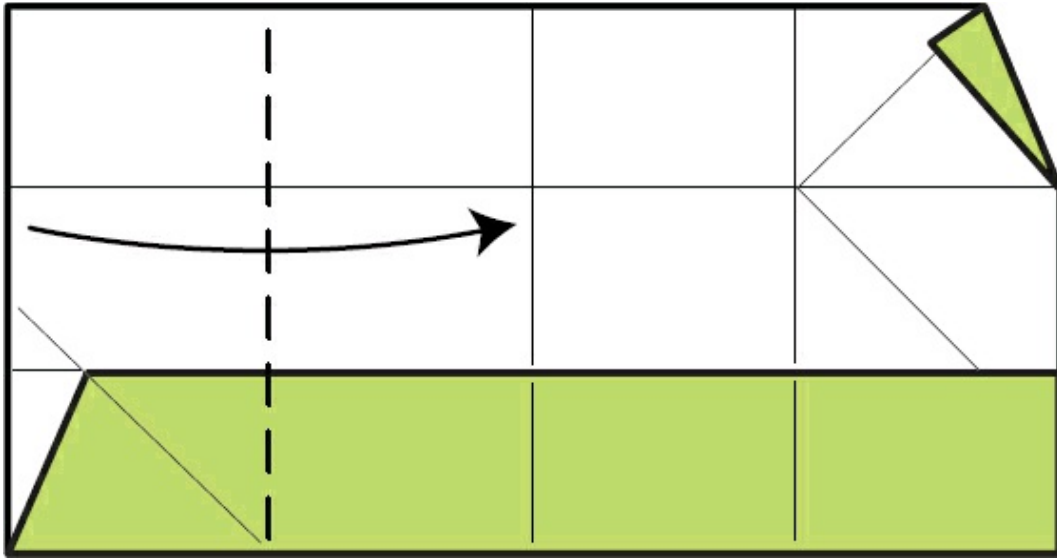
4 Pre-crease, then unfold and turn the paper over.



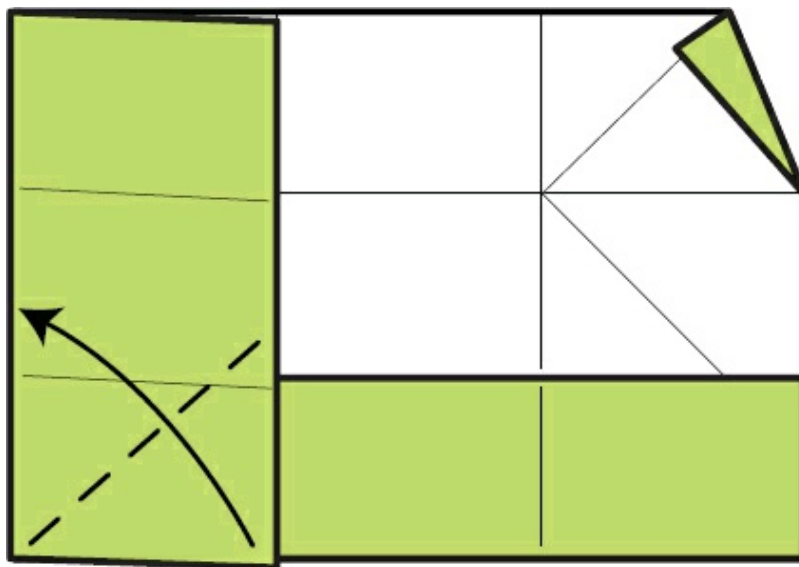
5 Fold the colored edges behind at both ends, making new creases.



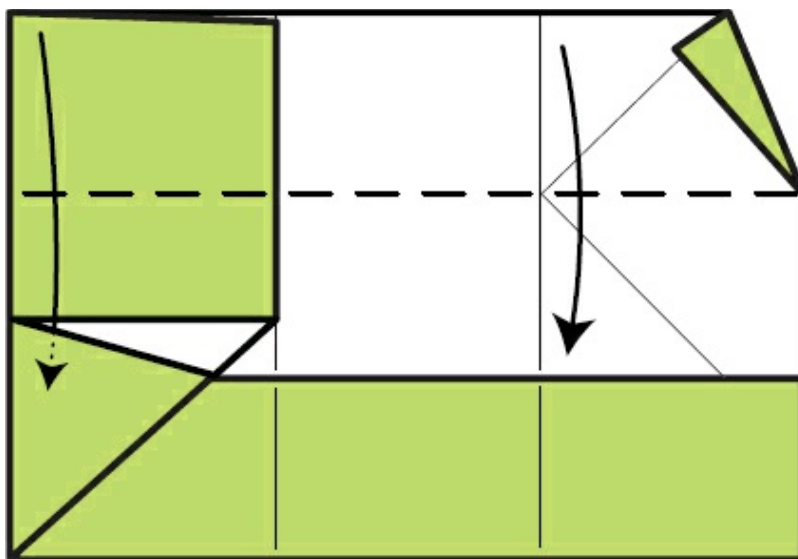
6 Unfold the upper flap.



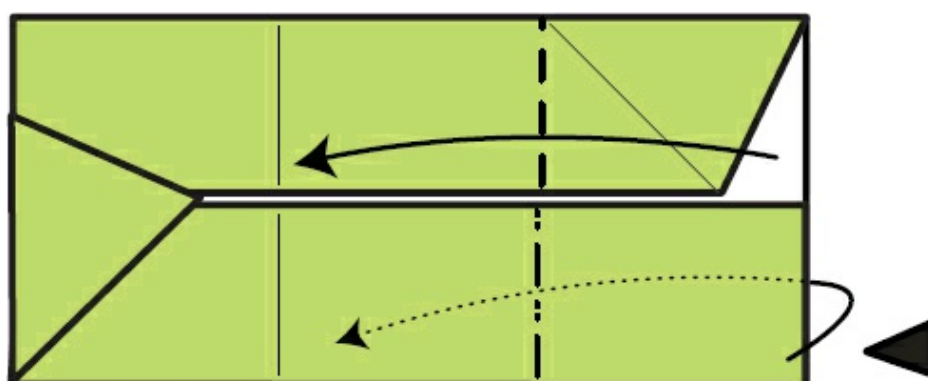
7 Fold the left side to the center.



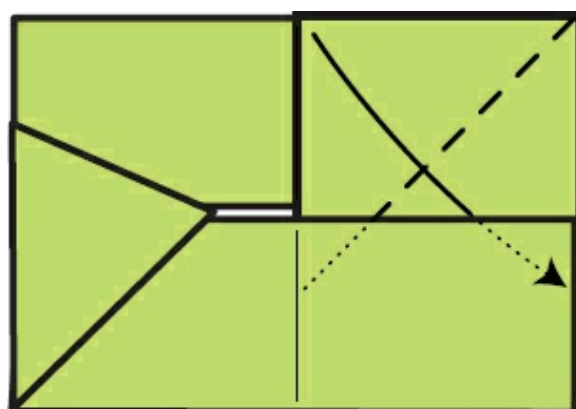
8 Fold the corner over.



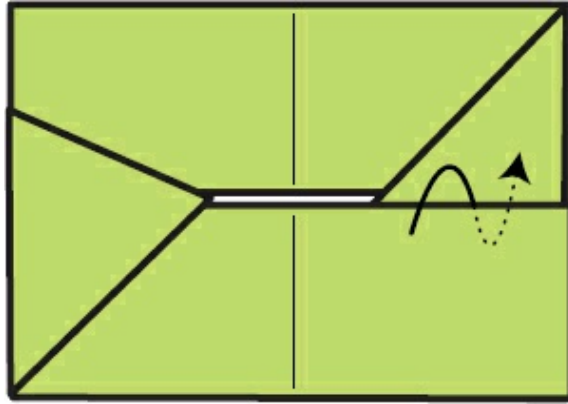
9 Fold the upper half downwards, tucking a corner into a pocket.



10 Fold over the upper right half, reverse the lower half inside.



11 Fold over a triangular flap.

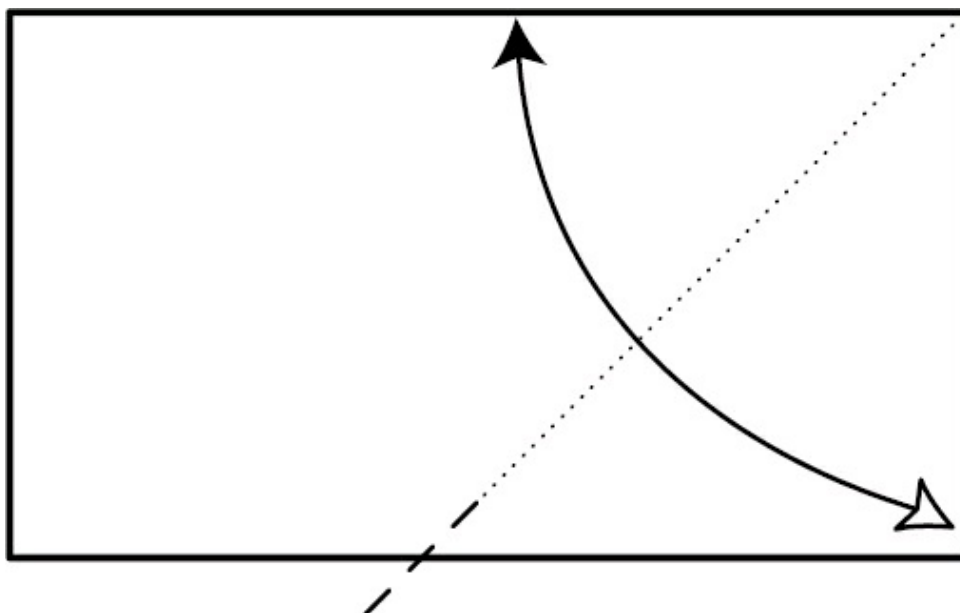


12 Tuck the flap into a pocket, as in step 9.

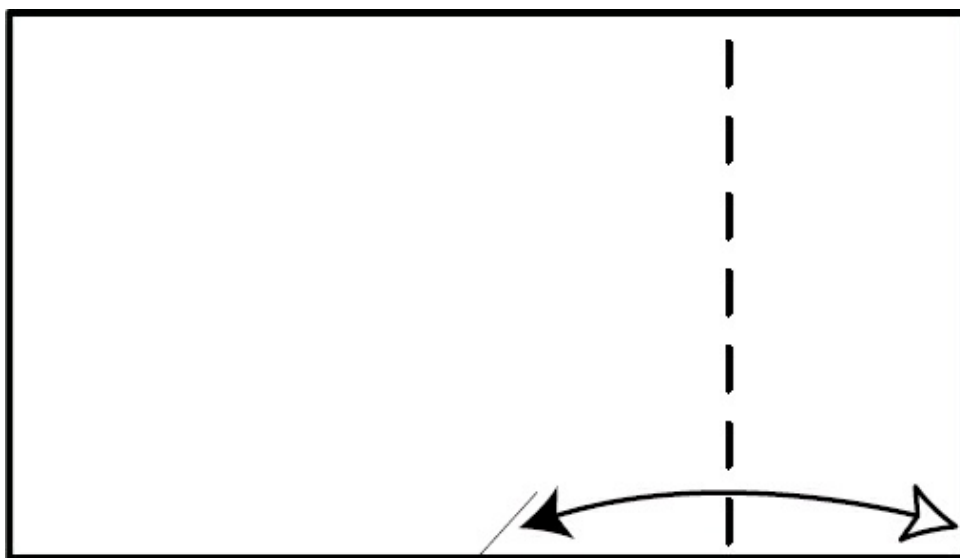
Pill Box



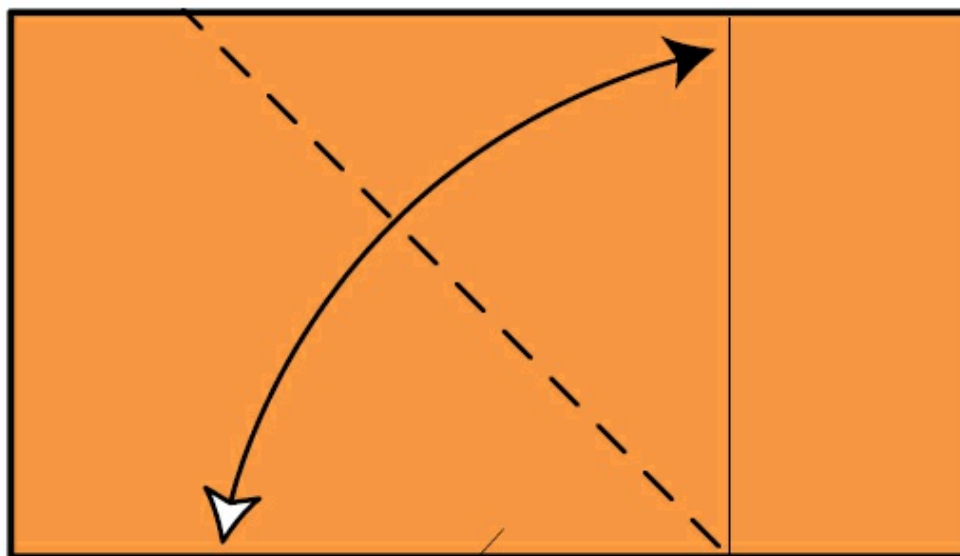
We take pills for all manner of ailments and it's so easy to lose them. This box can be made from a business card or any other rectangular paper and makes a perfect container for small objects.



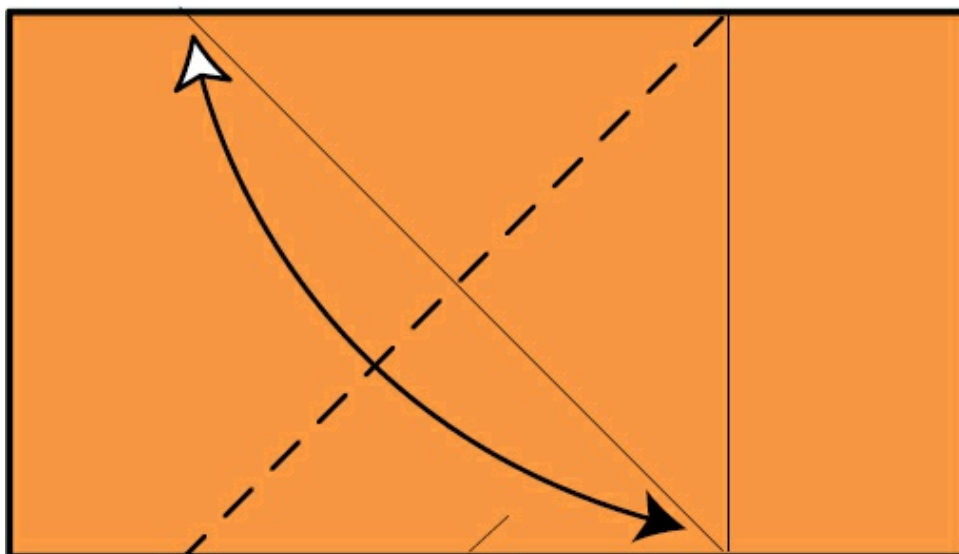
- 1 Fold the short side to the long side, making a small pinch-mark.



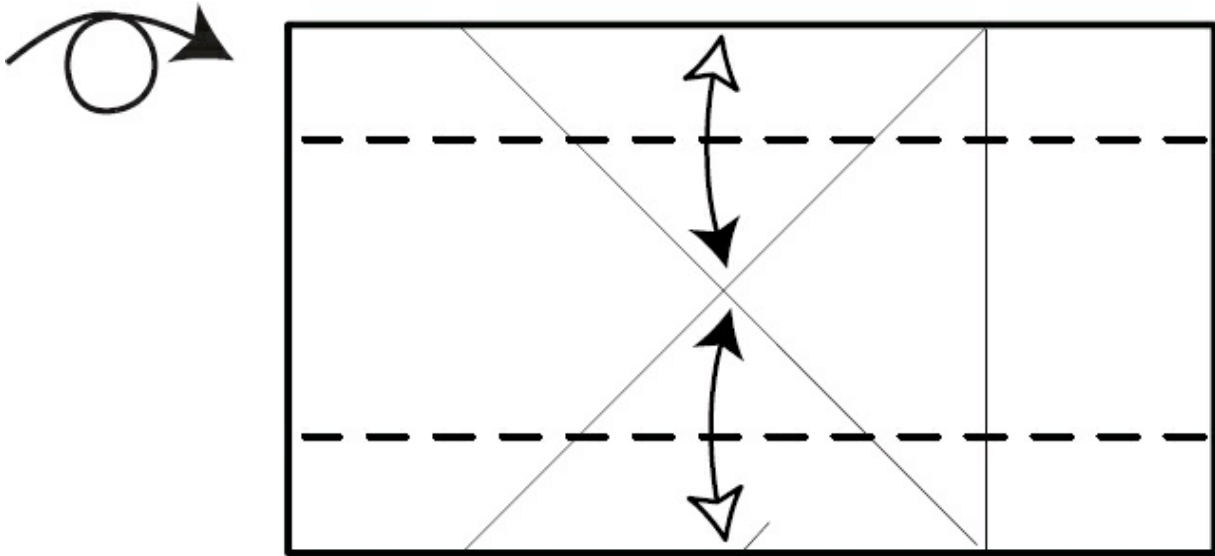
- 2 Fold the lower right corner to the pinch mark, crease and unfold. Turn the paper over.



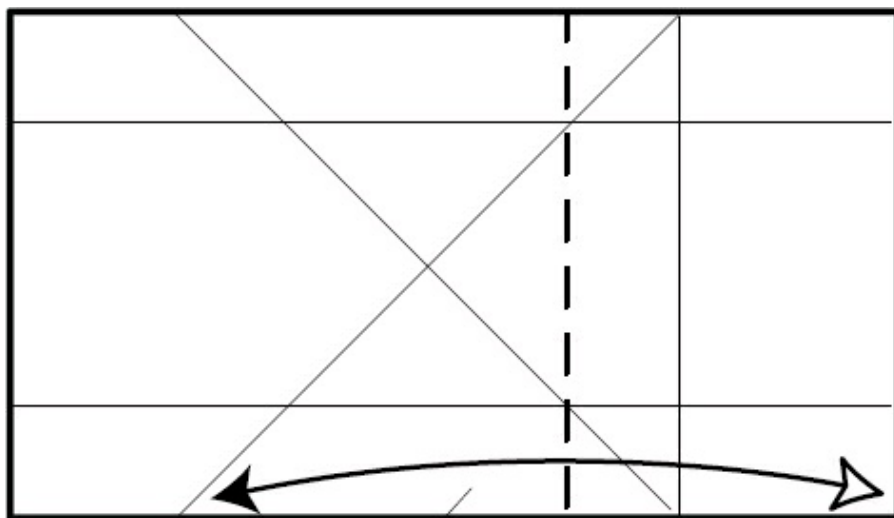
3 Fold the right lower edge to meet the vertical crease, then unfold.



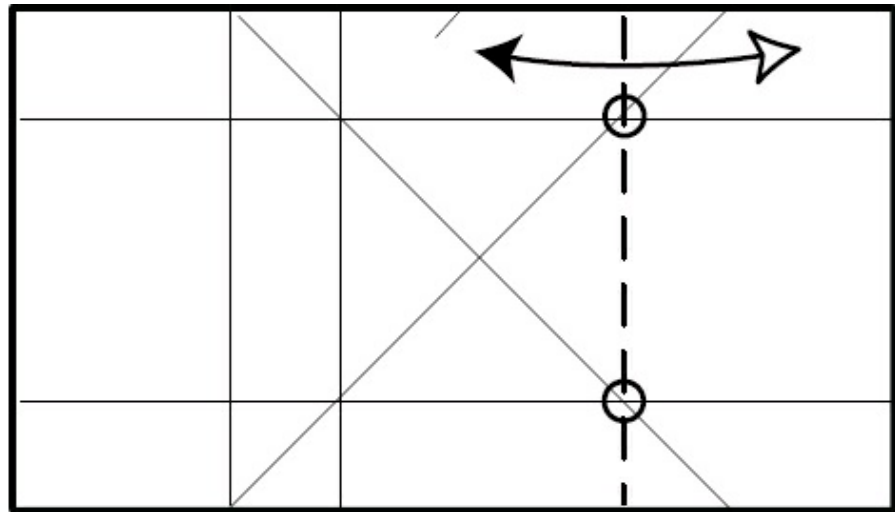
4 Repeat the last step on the other side. Turn the paper over.



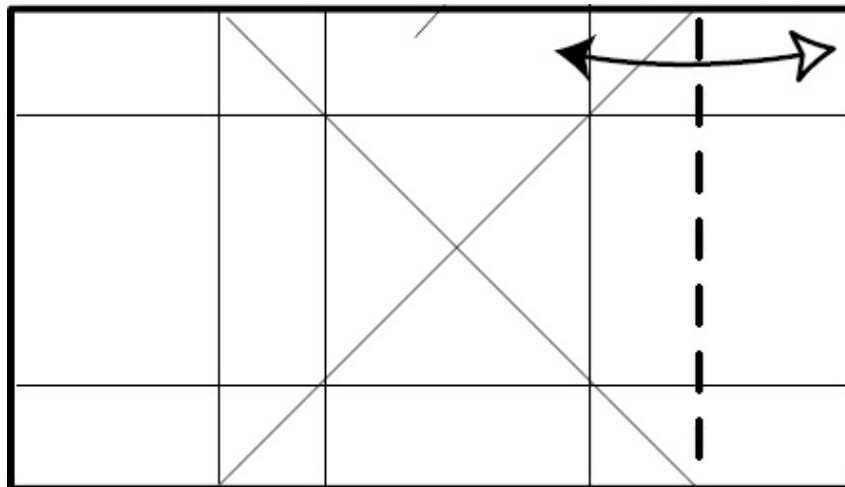
5 Fold the long sides to the center, crease and unfold.



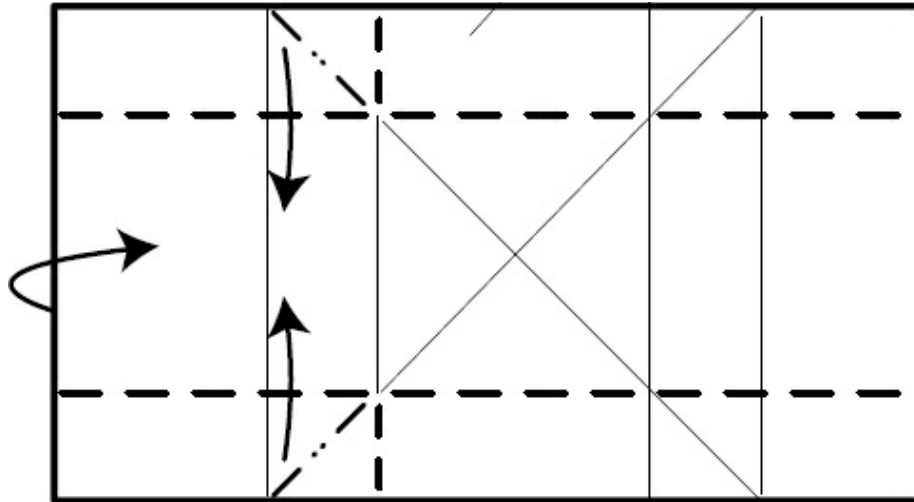
6 Fold the lower corner to the end of the last crease, then unfold. Rotate the paper 180 degrees.



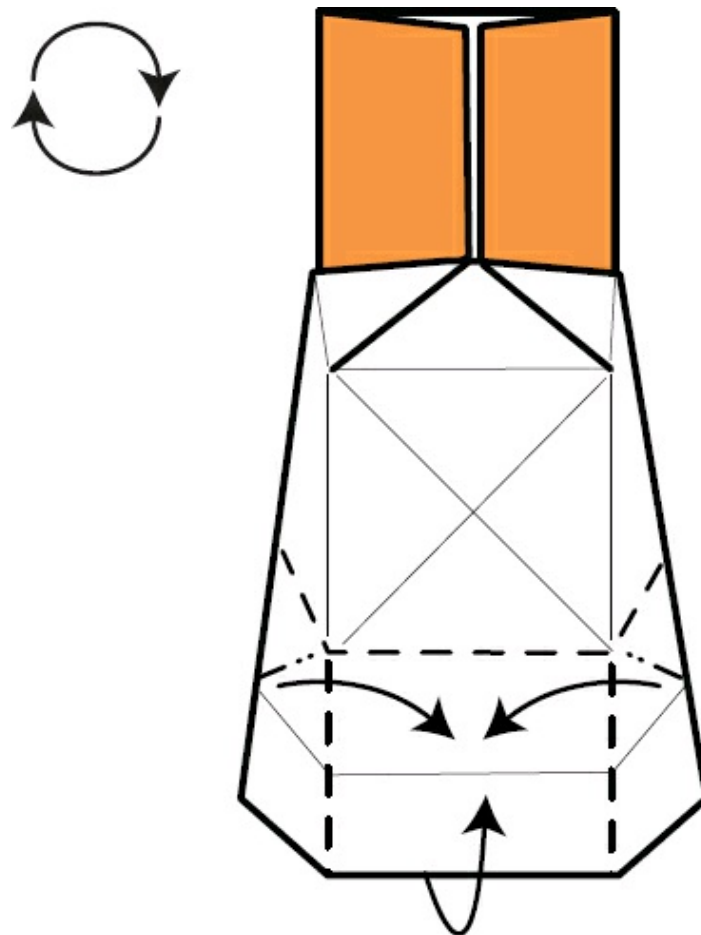
- 7 Make a crease that passes through the circled points, then unfold it.



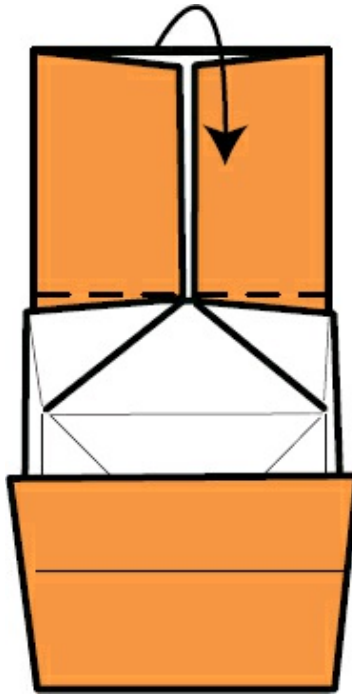
- 8 Make a crease that passes through the lower ends of the diagonal creases, then unfold.



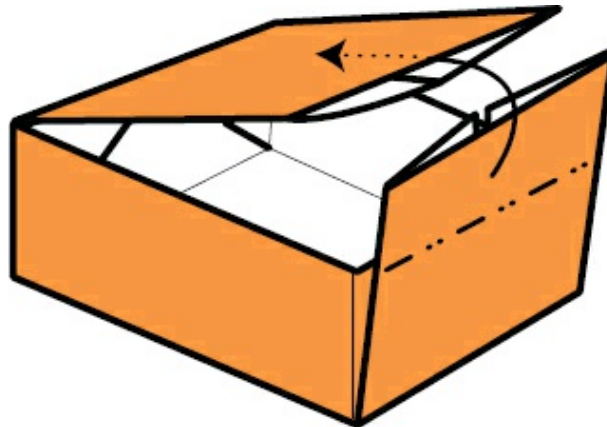
- 9 Lift the end up, folding inwards on the mountain creases. See the next drawing, which is rotated.



- 10 Repeat the last step on the nearest side.



11 Fold the furthest flap towards you, creasing firmly.

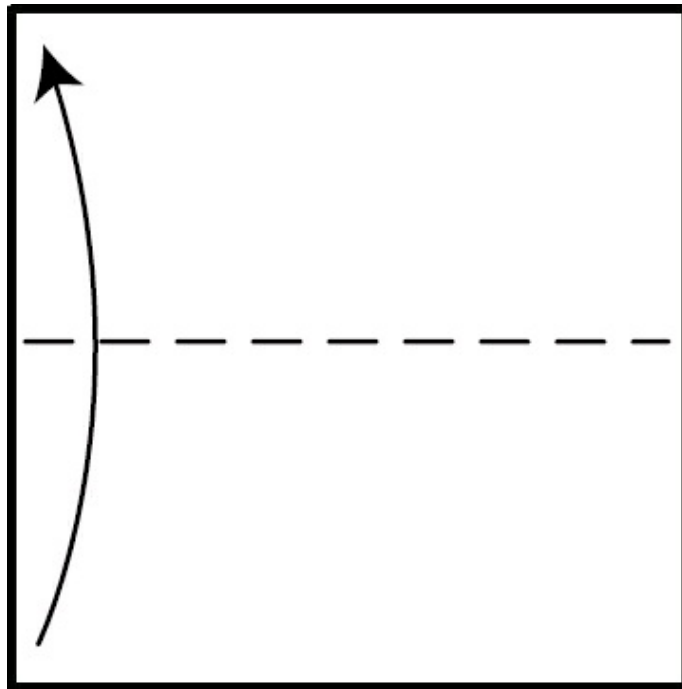


12 Fold the short edge over and tuck it into the longer flap until the top is flat.

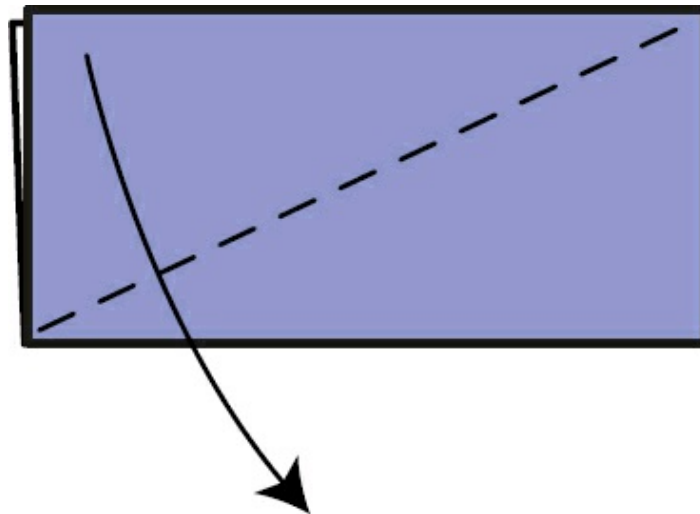
Brown Box



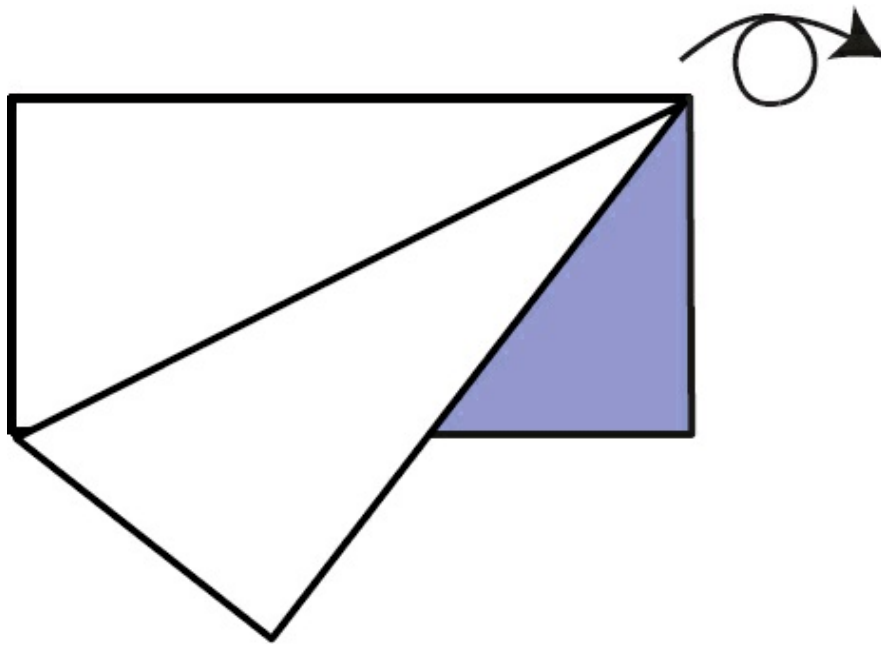
Origami can be practical as well as decorative. This elegant box can be folded from almost anything!



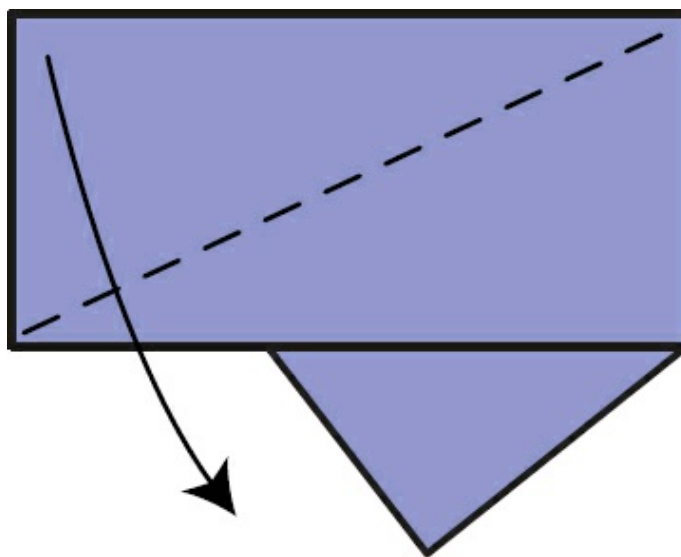
1 Fold in half upwards.



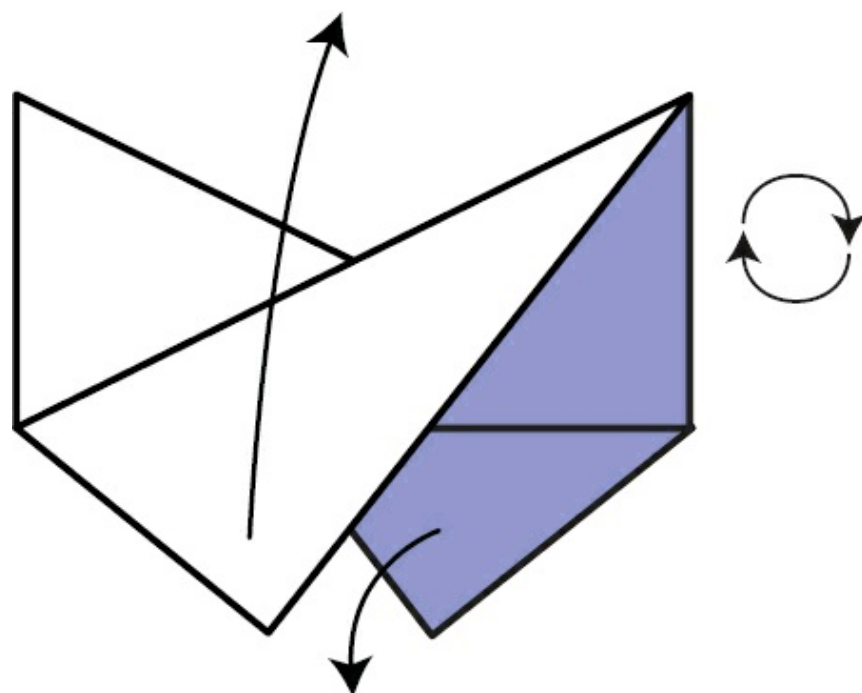
2 Fold one layer down between corners.



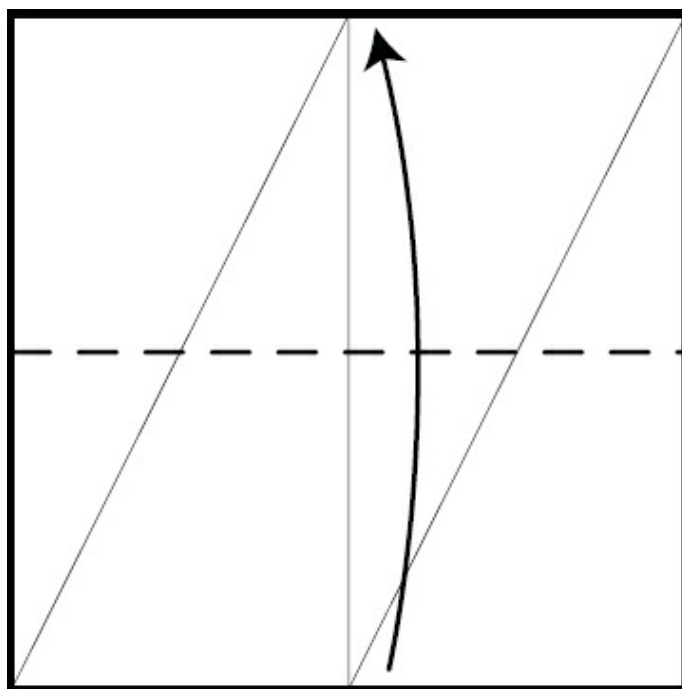
3 The result. Turn the paper over.



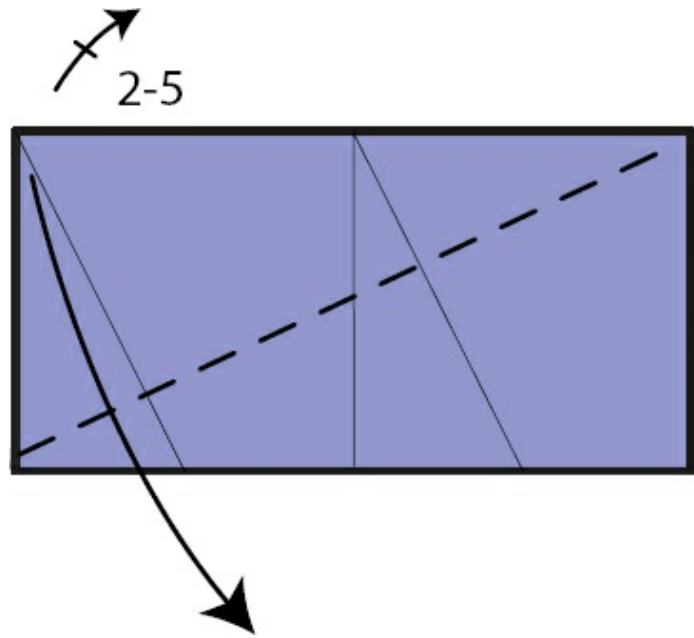
4 Repeat step 2.



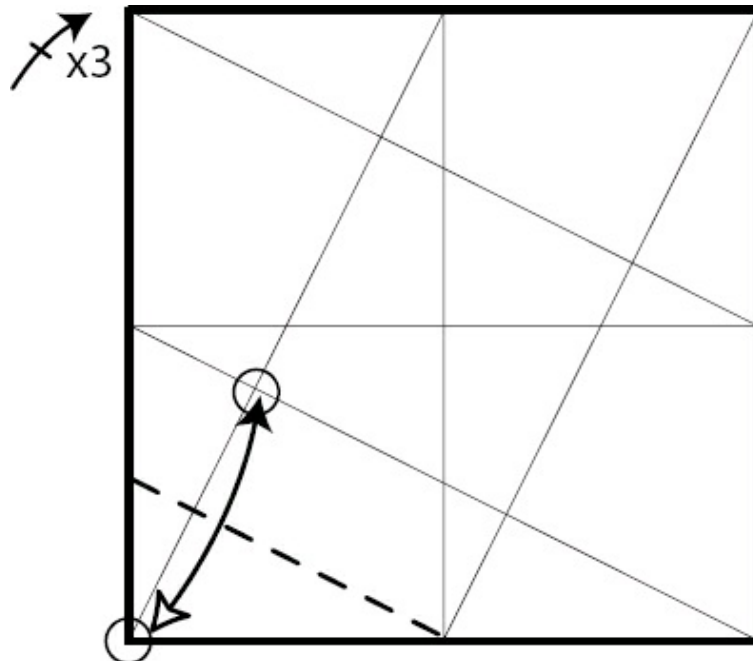
5 Unfold back to the white side and rotate 90 degrees.



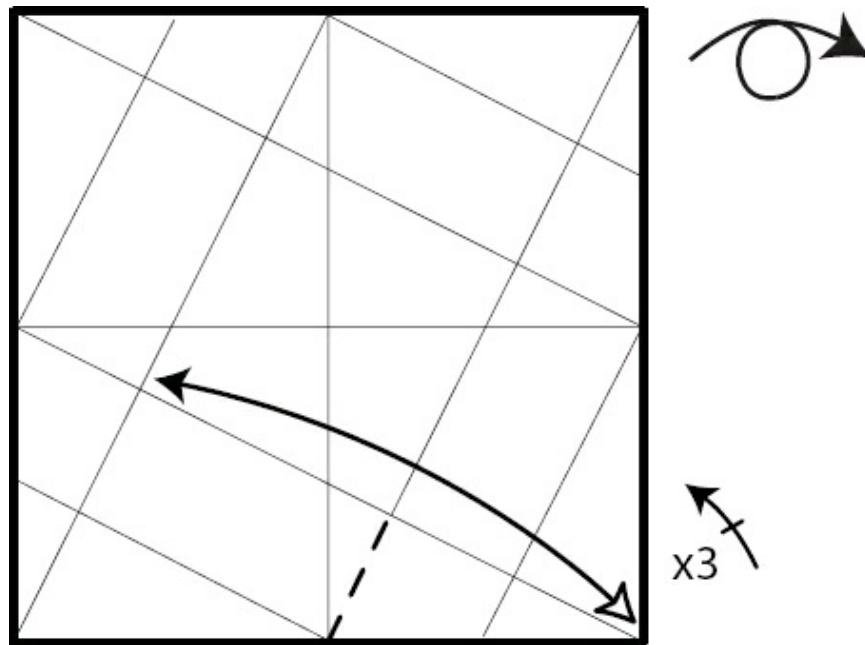
6 Fold in half upwards.



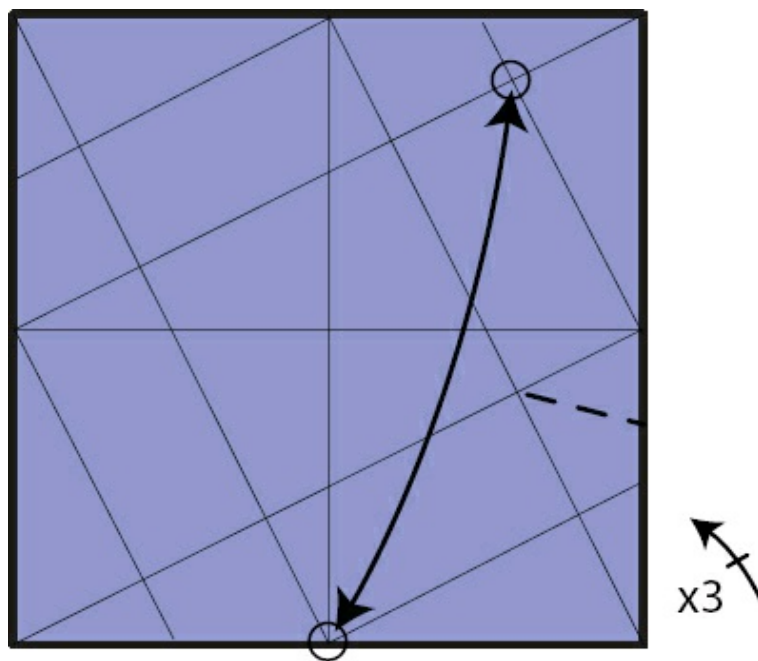
7 Repeat steps 2 to 5.



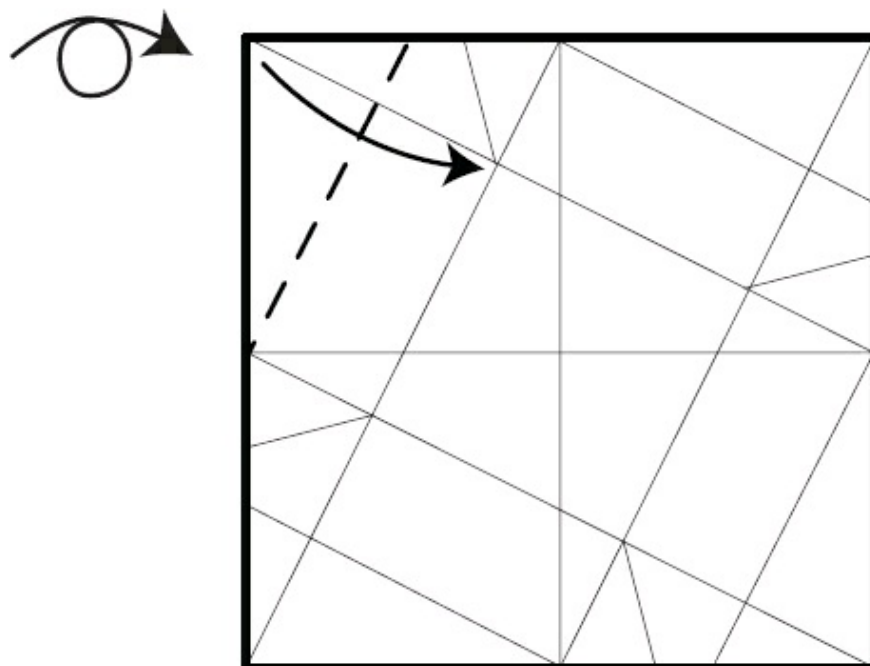
8 Crease and unfold. Repeat 3 times.



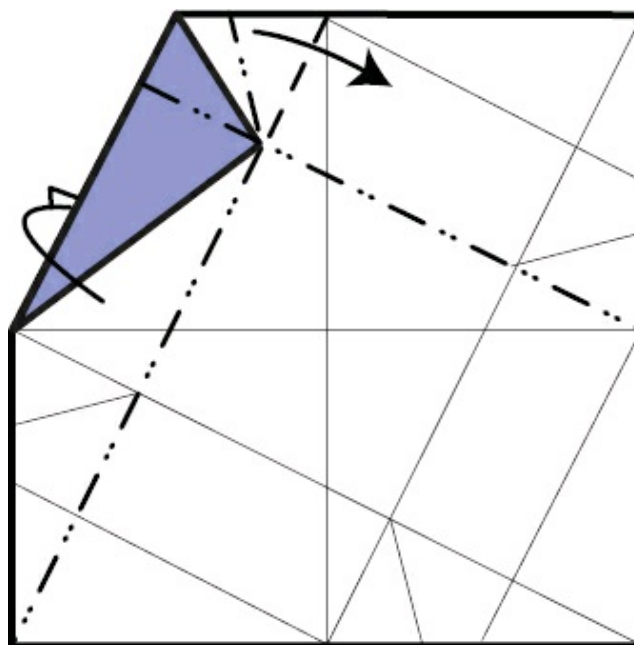
9 Crease only where shown and unfold. Repeat 3 times and turn over.



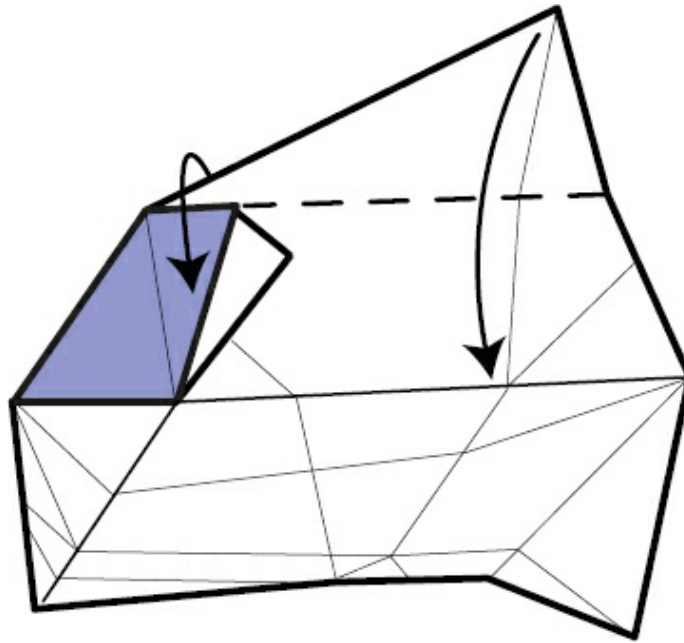
10 Fold so the circled points meet, crease where shown. Repeat 3 times and turn over.



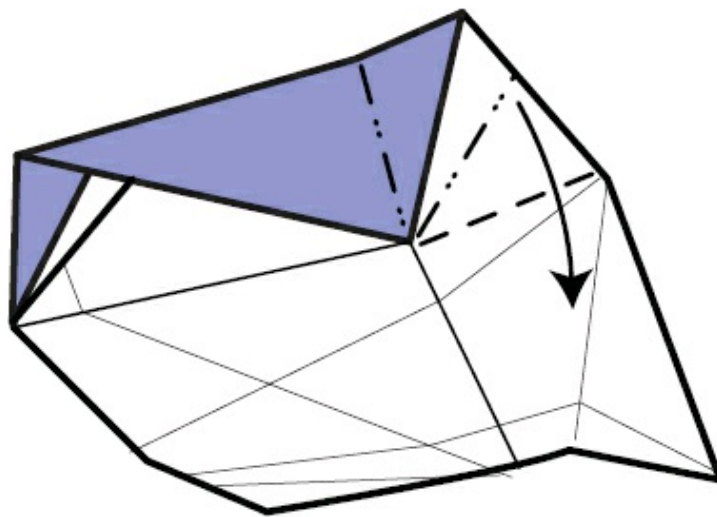
11 Fold a corner in.



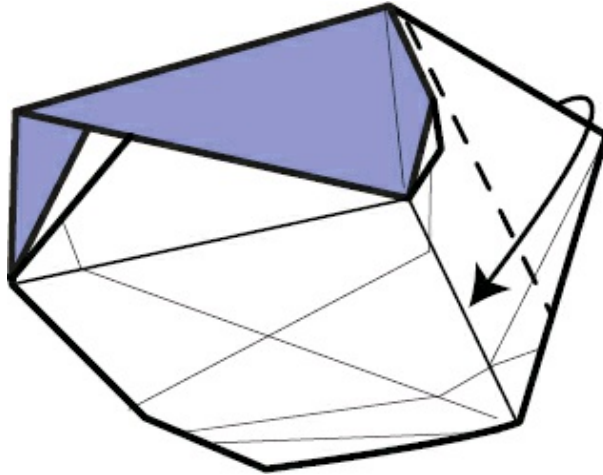
12 Fold into 3D and form a corner.



13 Fold the flap down, locking the corner in place.



14 Repeat step 12 on the next corner.

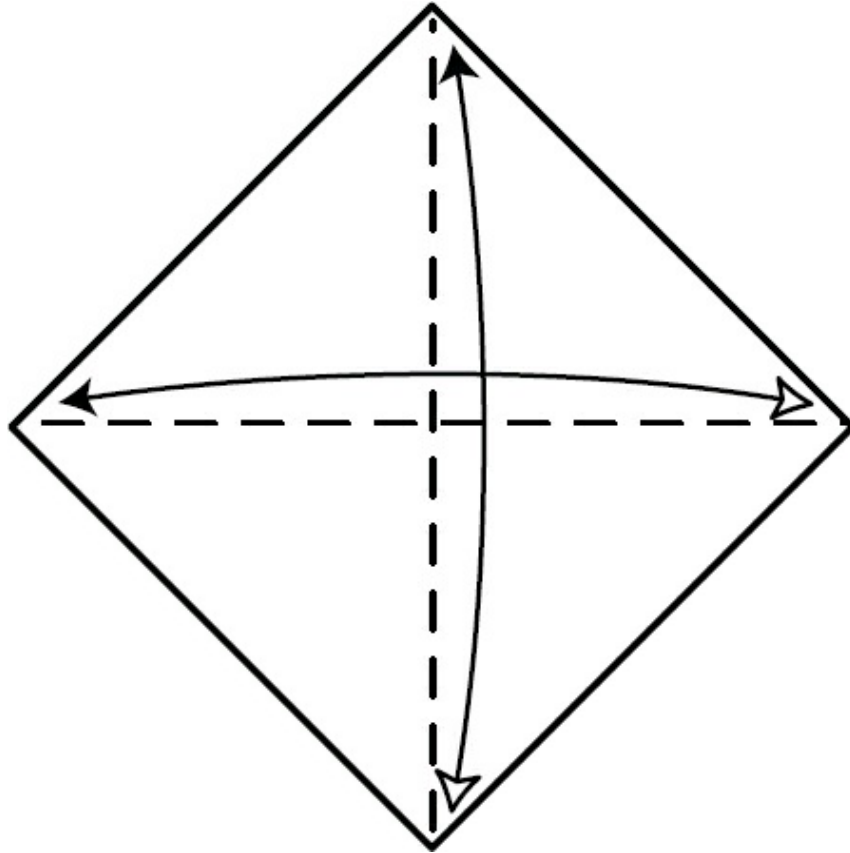


15 Repeat step 13 and continue with the two remaining corners.

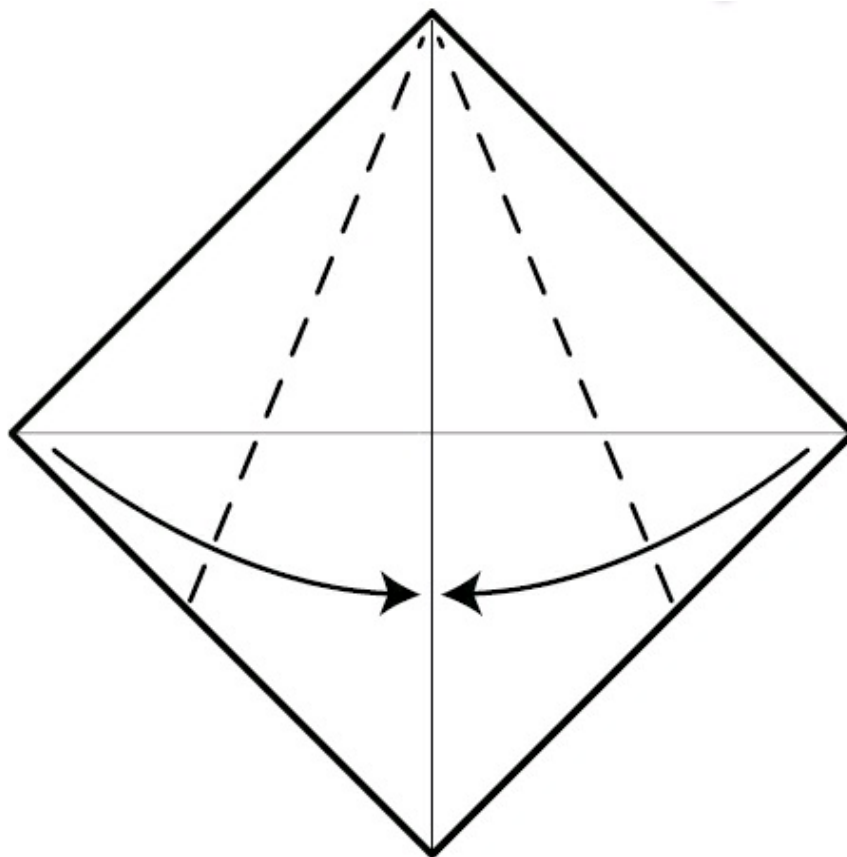
Autumn Leaf



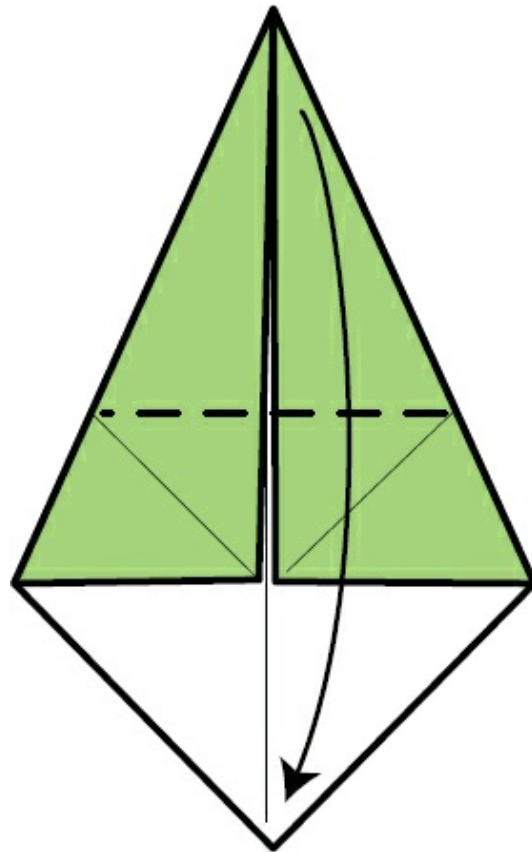
This design requires a square of paper, ideally green, brown or any other autumnal colour. Try to use thin paper such as a bank receipt or a lotto ticket.



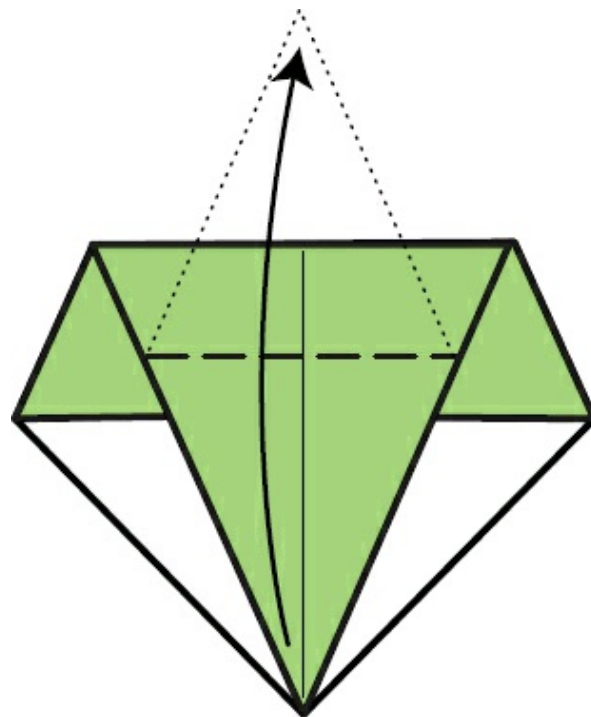
- 1 Fold in half from corner to corner, crease and unfold, in both directions.



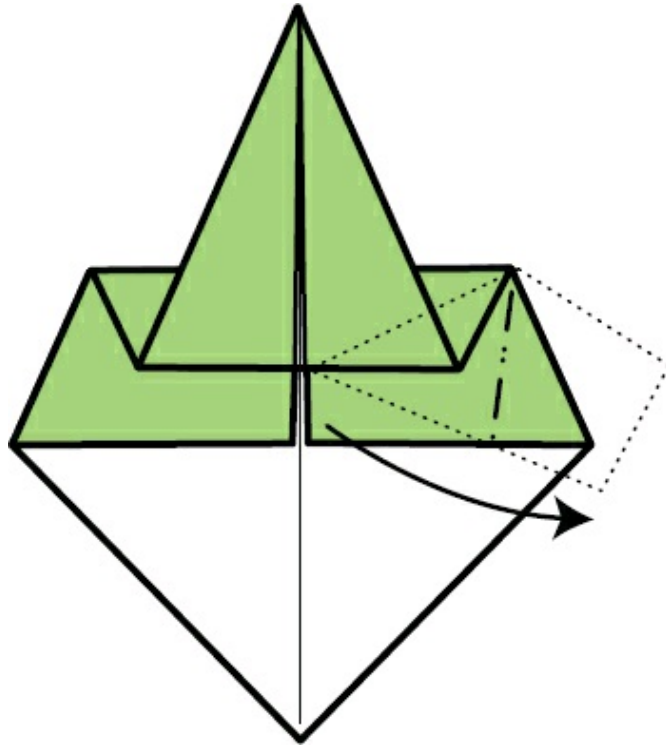
2 Fold both upper edges to the vertical crease.



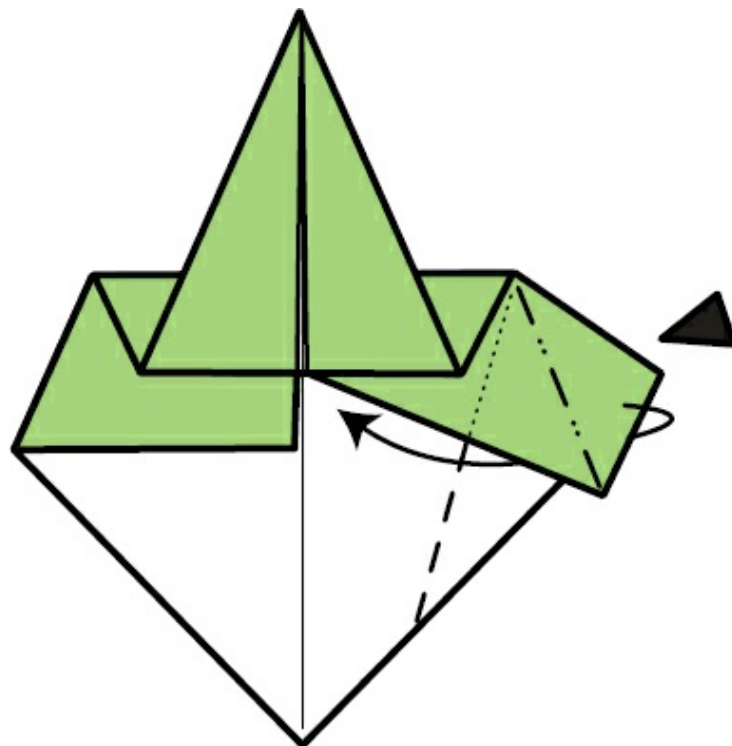
3 Fold the top corner to the bottom corner.



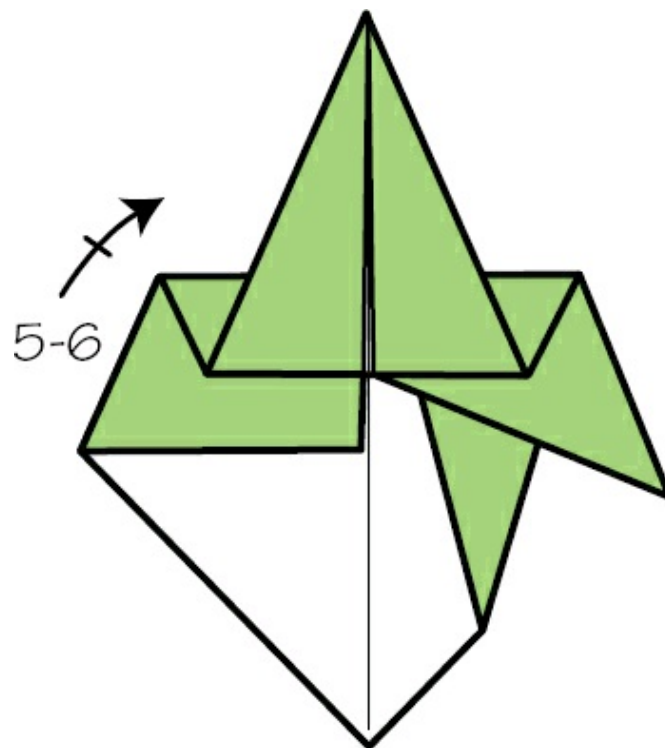
4 Fold the same flap back up to match the dotted line.



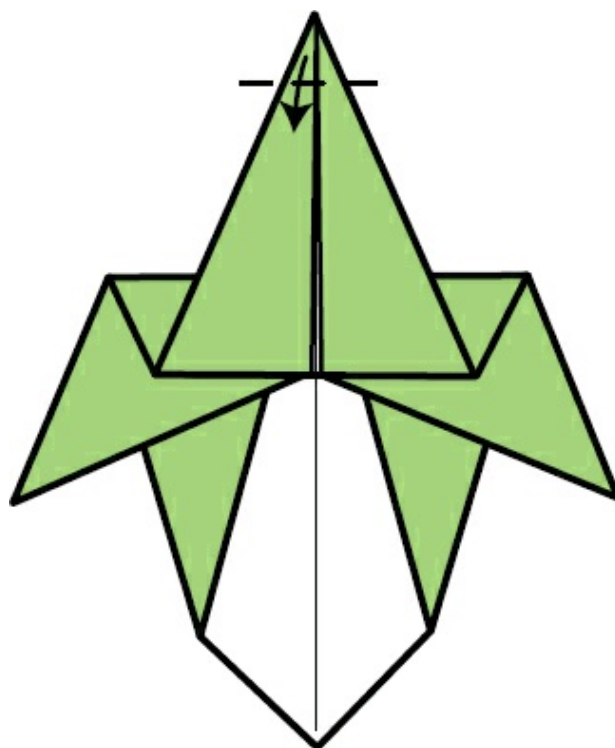
5 Pull the corner out and flatten to match the dotted line.



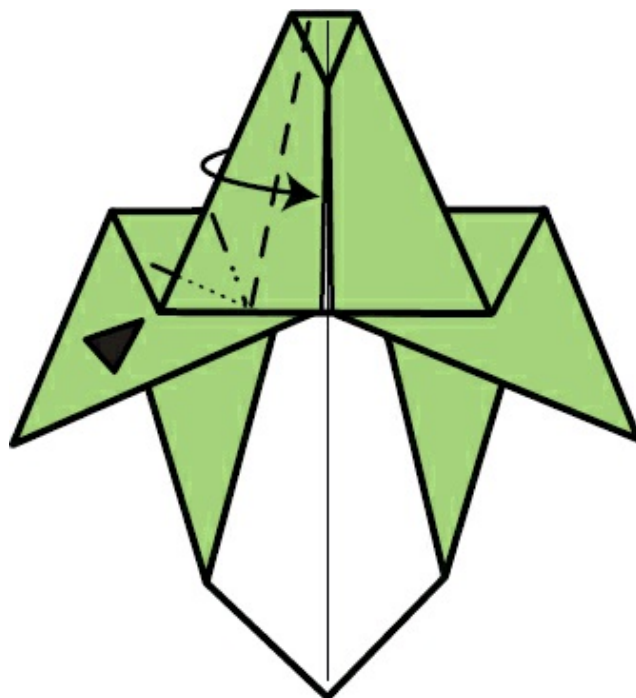
6 Fold the top corner to the circled point.



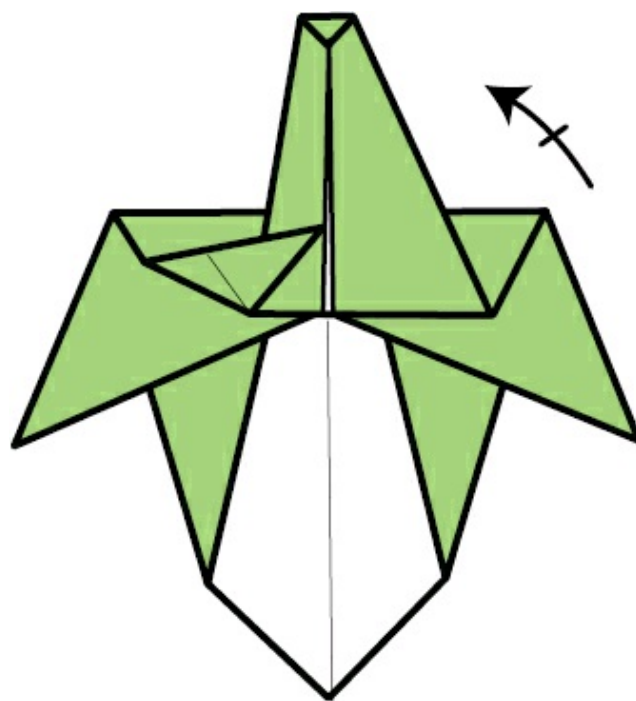
7 Repeat step 6 on the left.



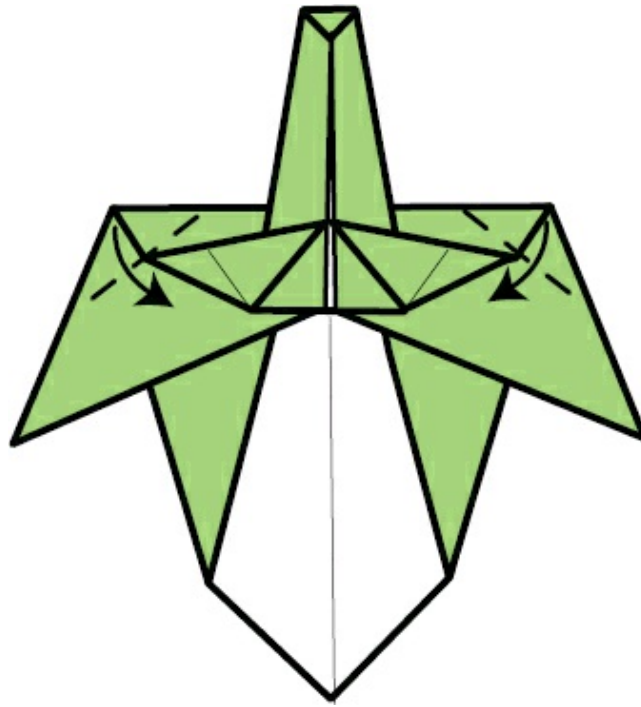
8 Fold the tip down a little way.



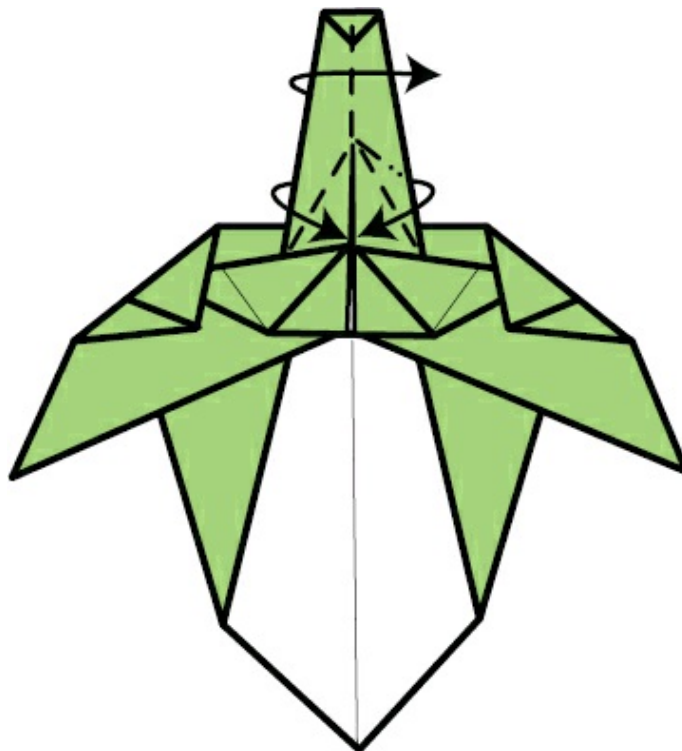
9 Fold the upper left edge to the vertical center, carefully squashing flat at the base.



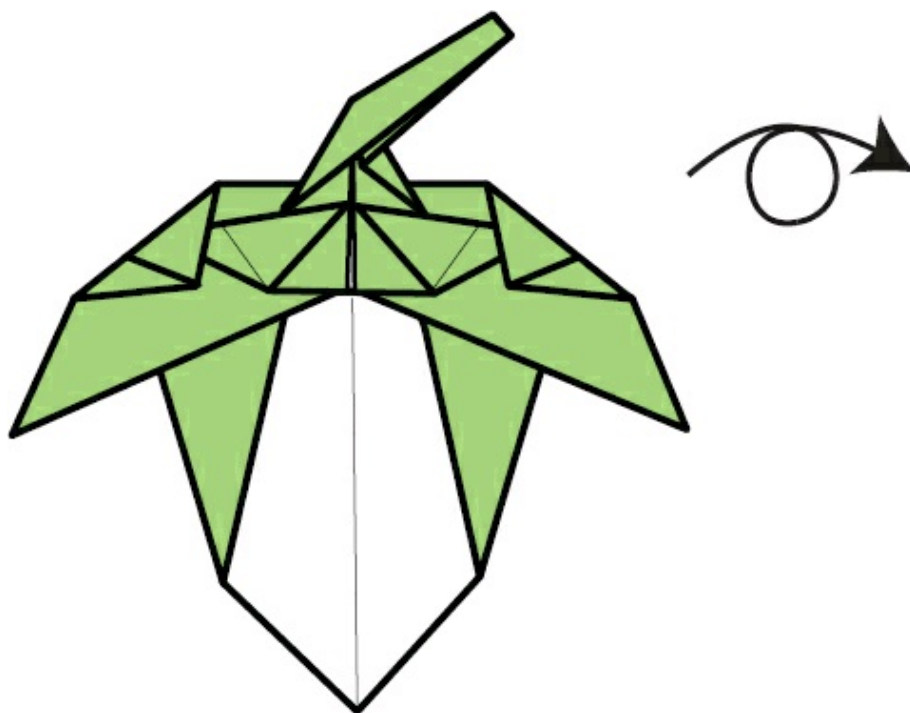
10 Repeat step 9 on the right.



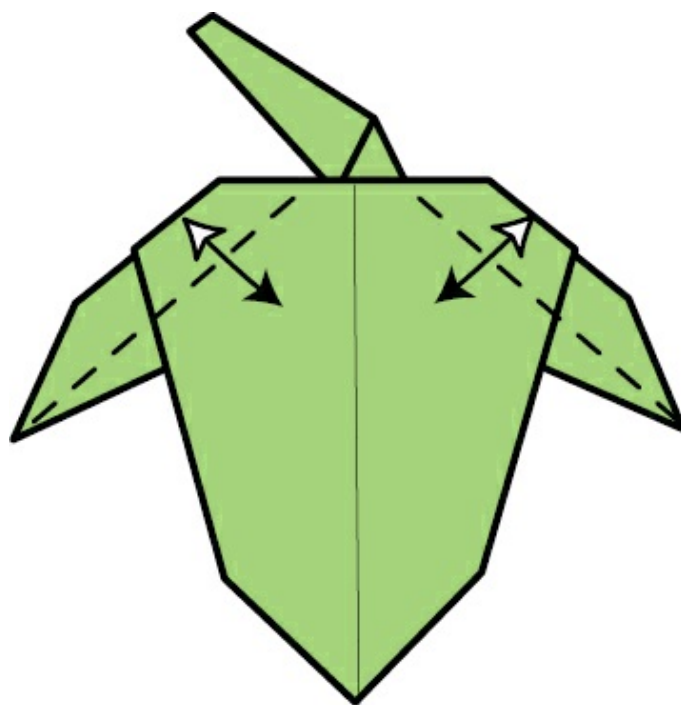
11 Fold these corners over.



12 Rabbit-ear the top flap, flattening to the right.



13 The result. Turn the paper over.

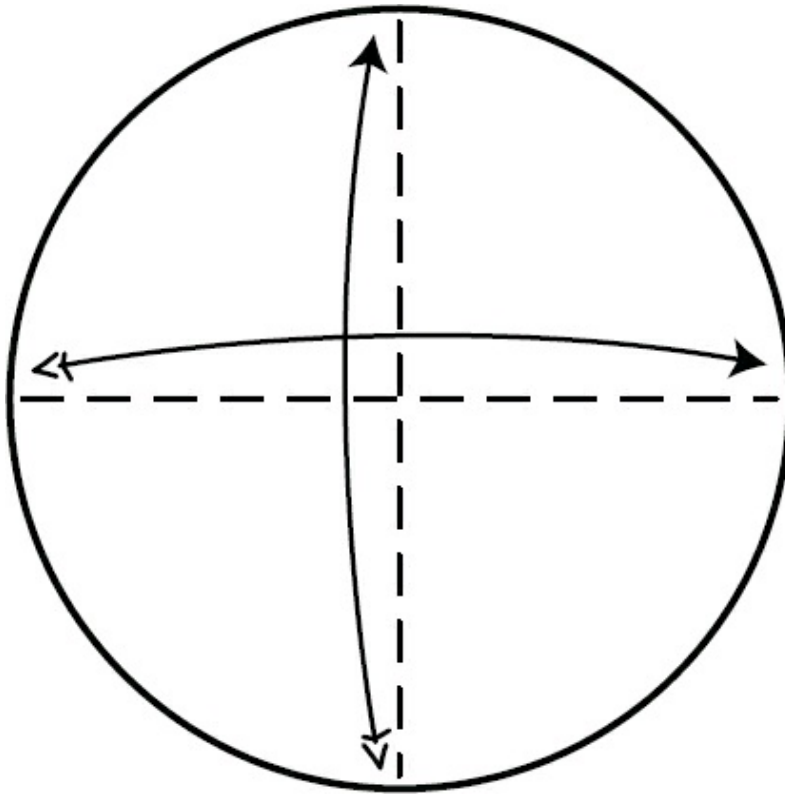


14 Make two shaping folds.

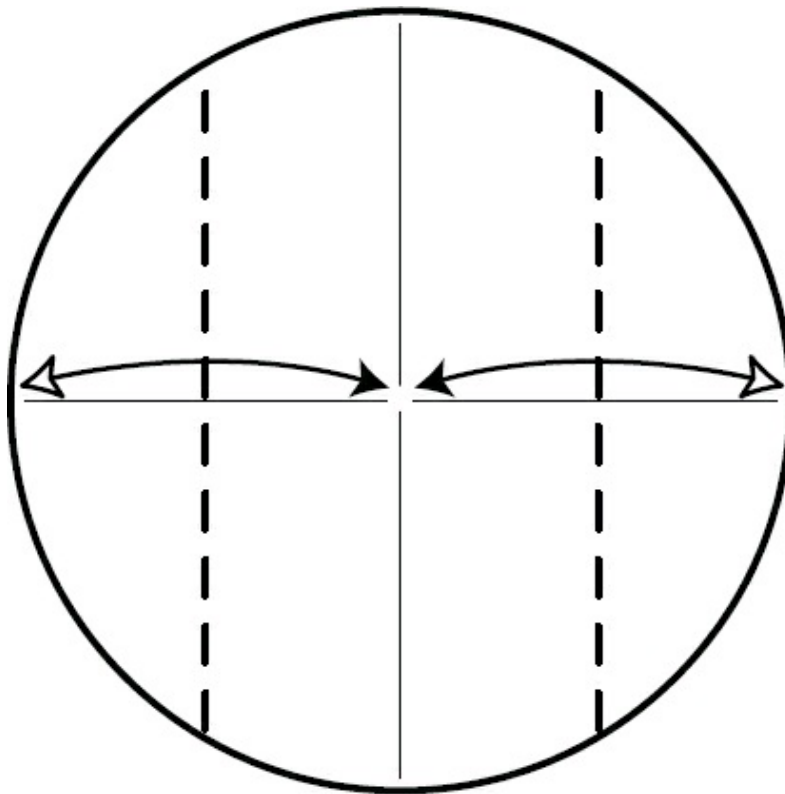
Rocking Cradle



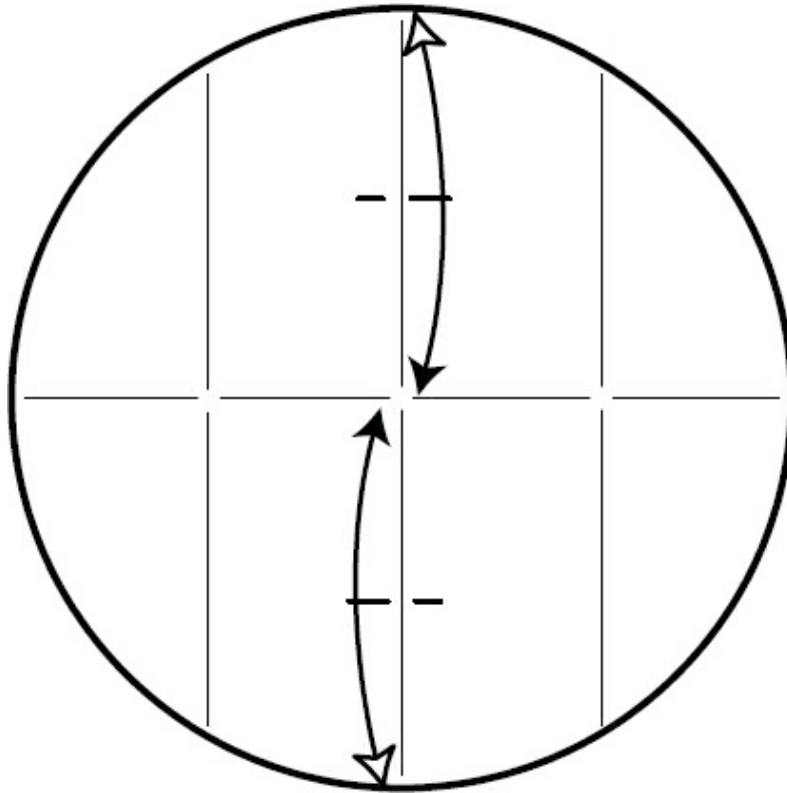
Circular paper isn't always easy to find, so you can also use paper plates. Another option is to use a "real" plate in order to cut a circle from rectangular paper. Slightly stiffer paper is best for this design.



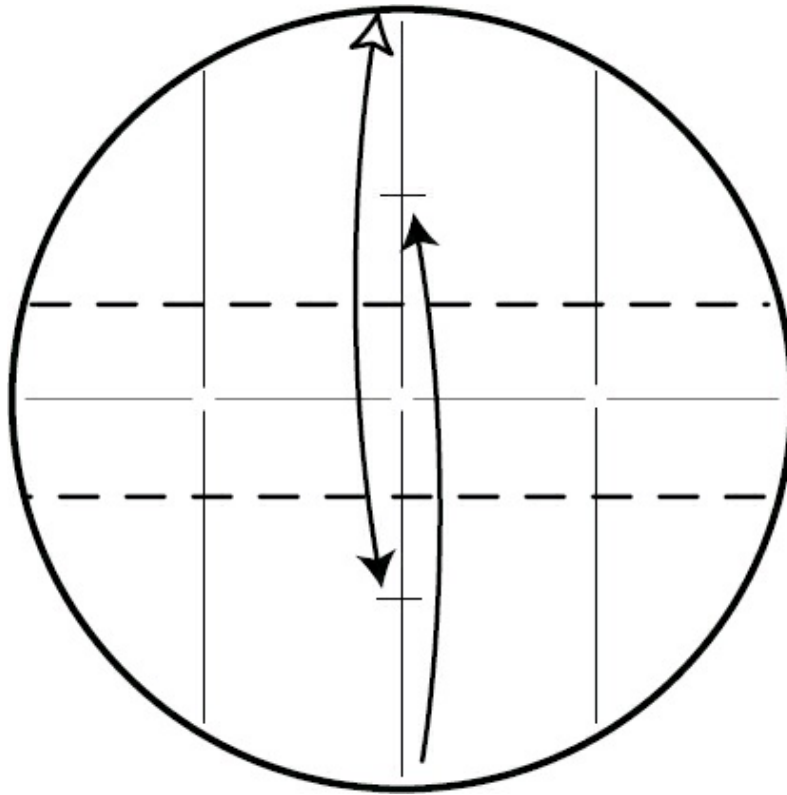
1 Crease in half in both directions, then unfold.



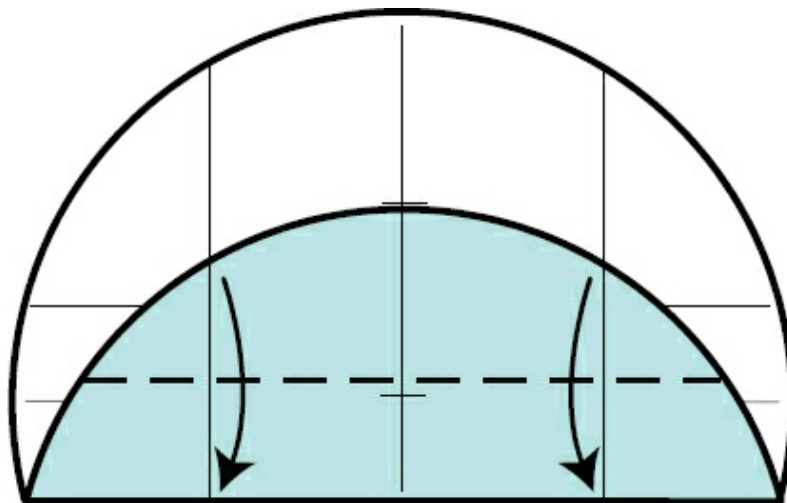
2 Fold the ends of the horizontal crease to the center, then unfold.



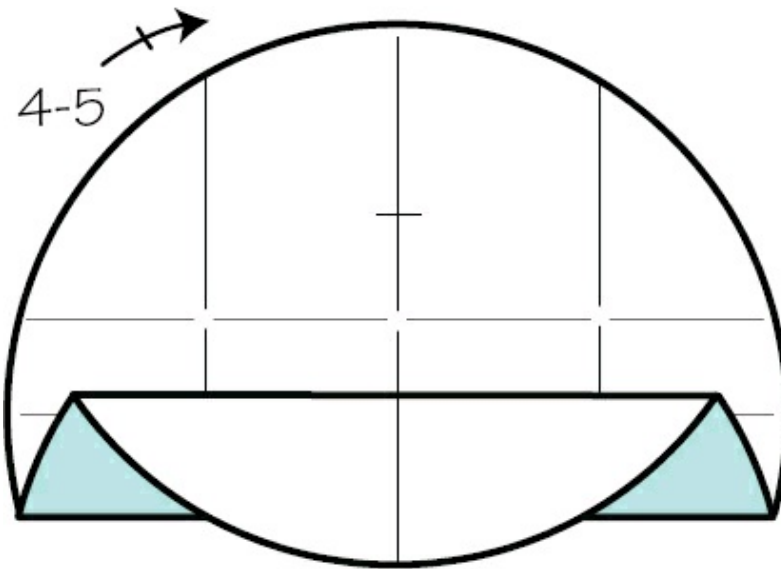
3 Fold the ends of the vertical crease to the center, crease and unfold.



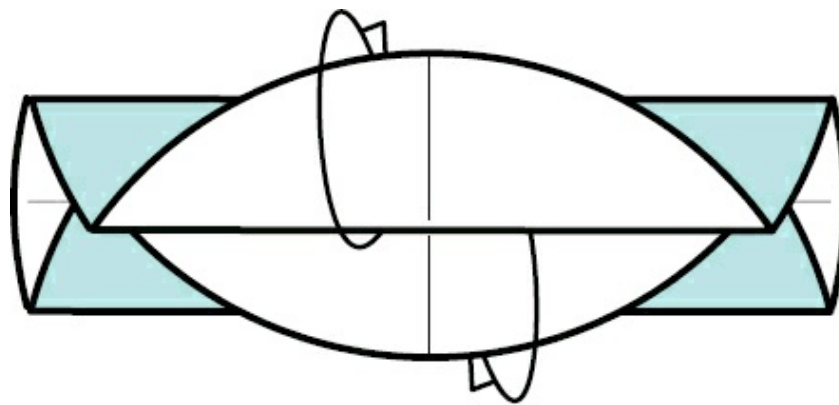
- 4 Fold the ends of the vertical crease to the furthest quarter pinch. Crease and unfold one, leave the lower one folded in.



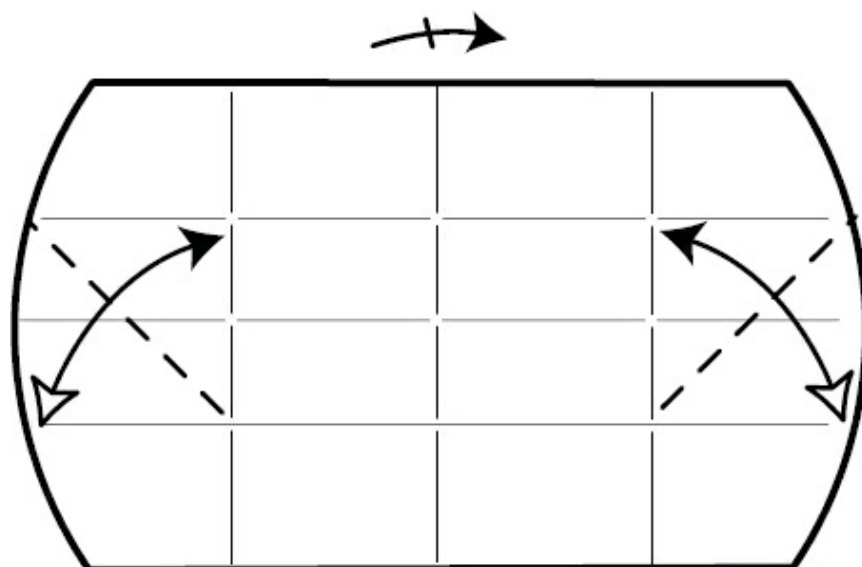
- 5 Fold the flap down so the ends of the creases meet.



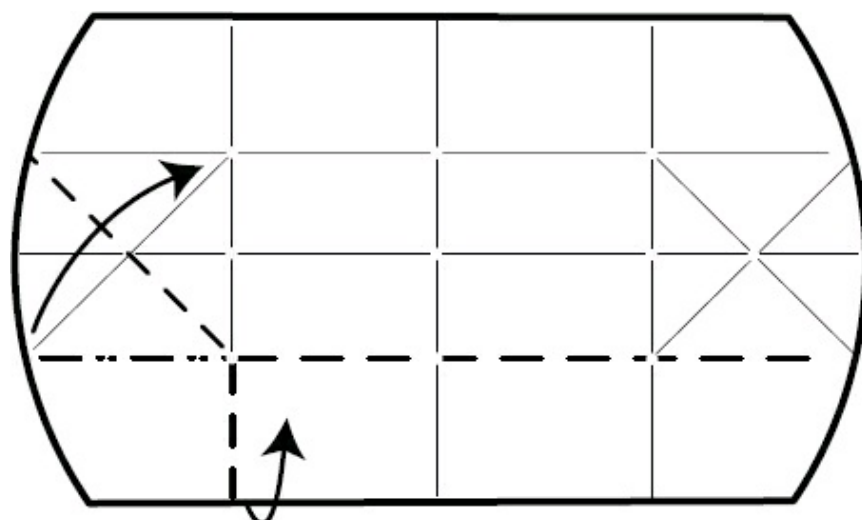
6 Repeat steps 4-5 on the upper half.



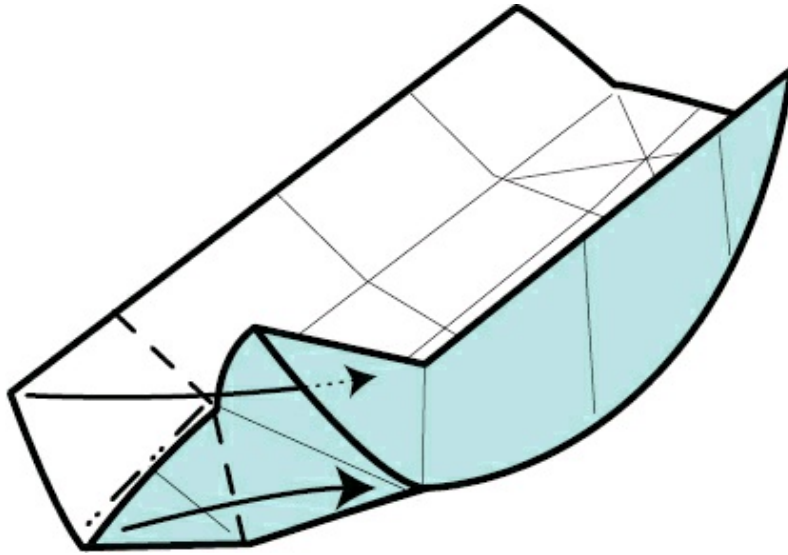
7 Open out the white flaps.



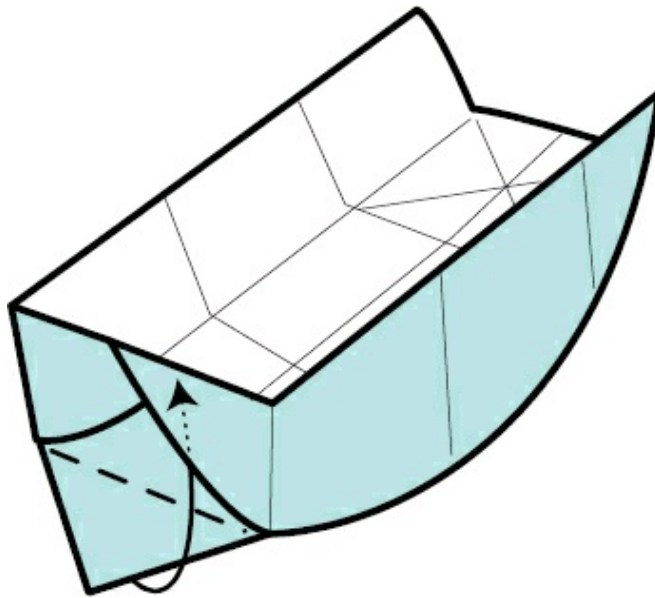
8 Make two pre-creases. Repeat on the other side.



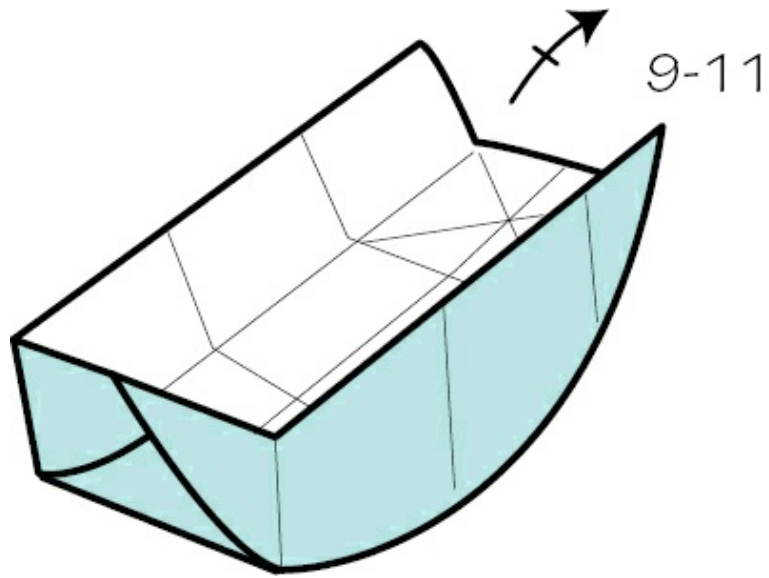
9 Form the side into 3D. Be careful not to add an extra crease to the flap with a circular edge beneath.



10 Repeat the last step, tucking the corner under a layer.



11 Tuck the triangular flap under layers.

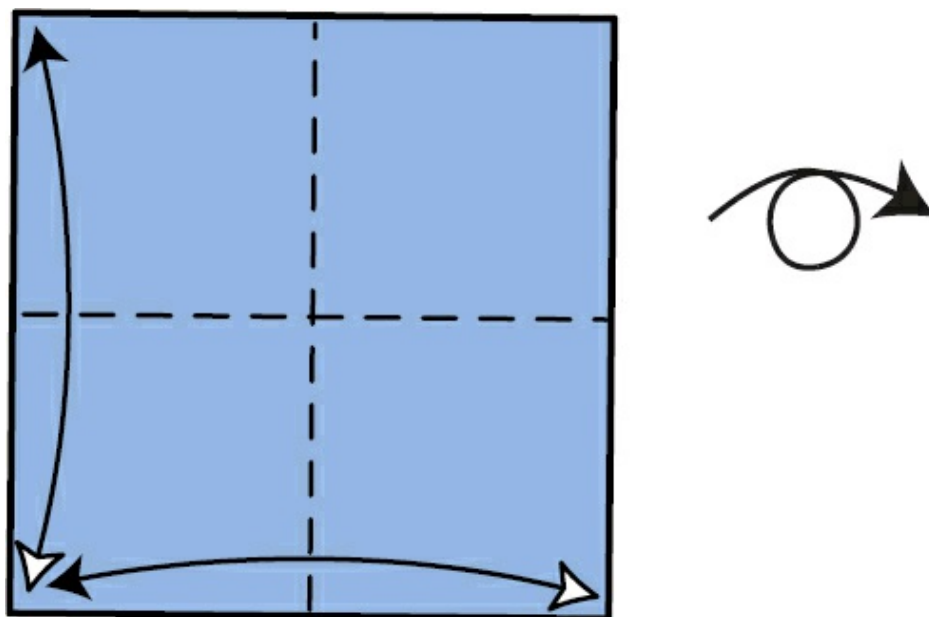


12 Repeat steps 9-11 on the other end.

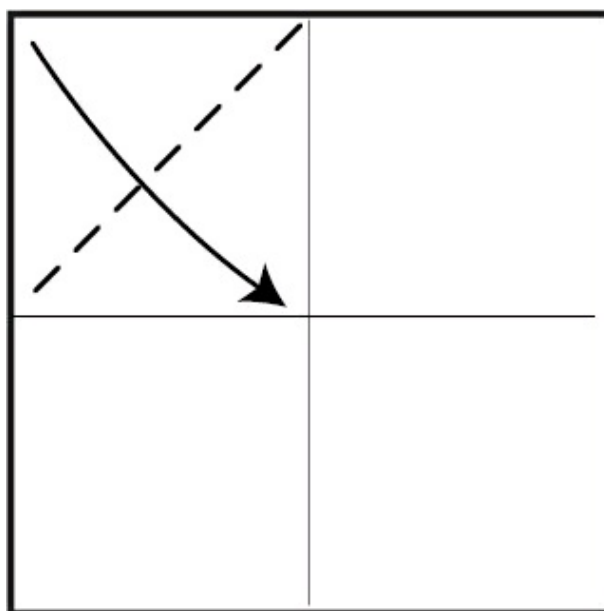
Decoration



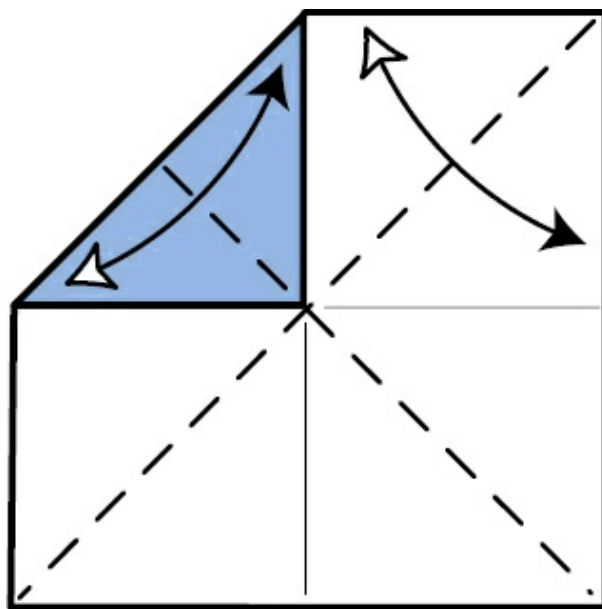
This beautiful octagonal star uses a simple unit, but you will need to be careful during assembly! Fold from brightly colored paper, such as (thin) wallpaper.



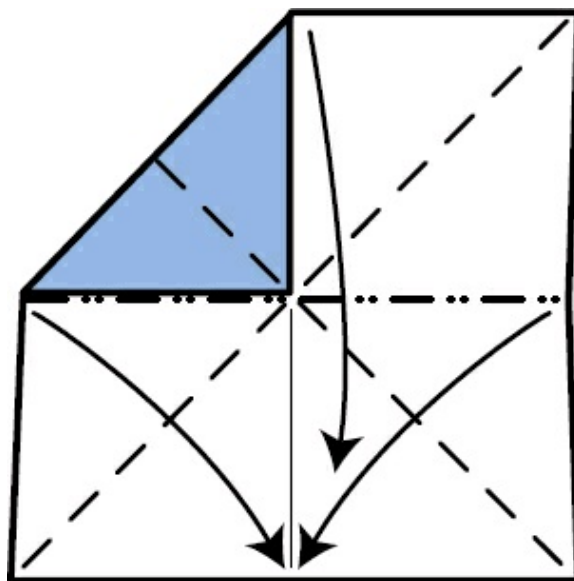
- 1 Crease in half in both directions, then unfold. Turn the paper over.



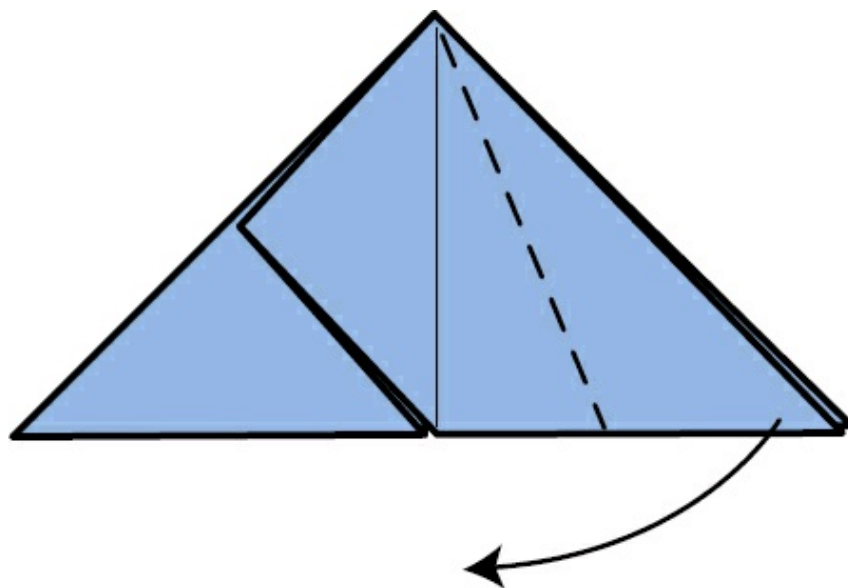
- 2 Fold the top left corner to the center.



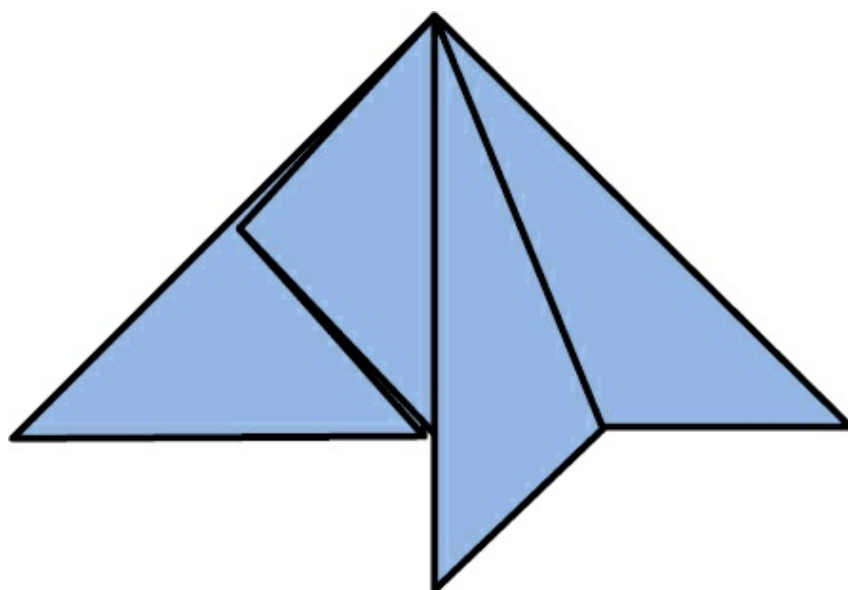
3 Crease and unfold both diagonals.



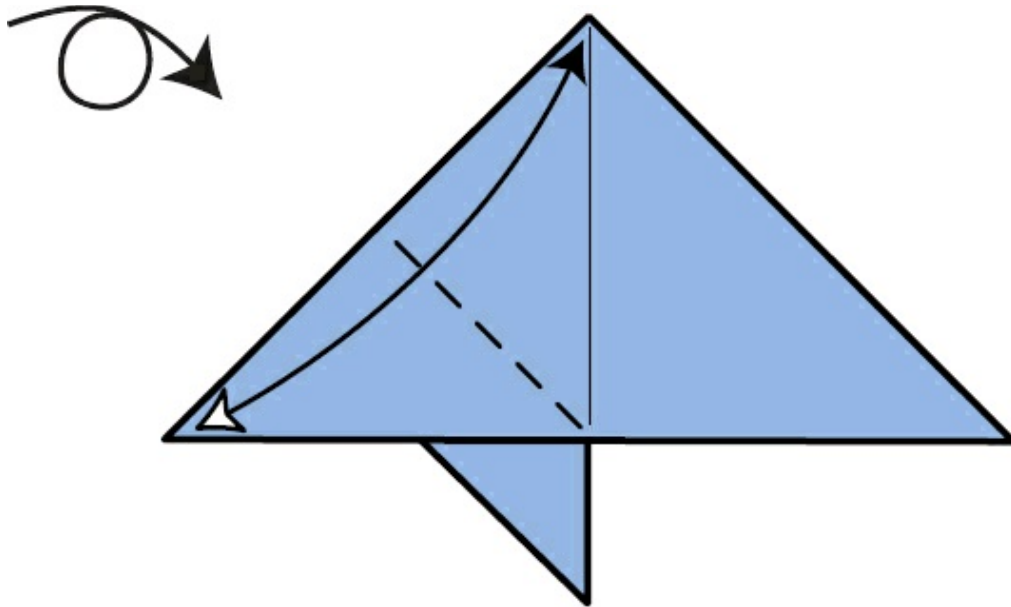
4 Collapse the paper downwards using these creases.



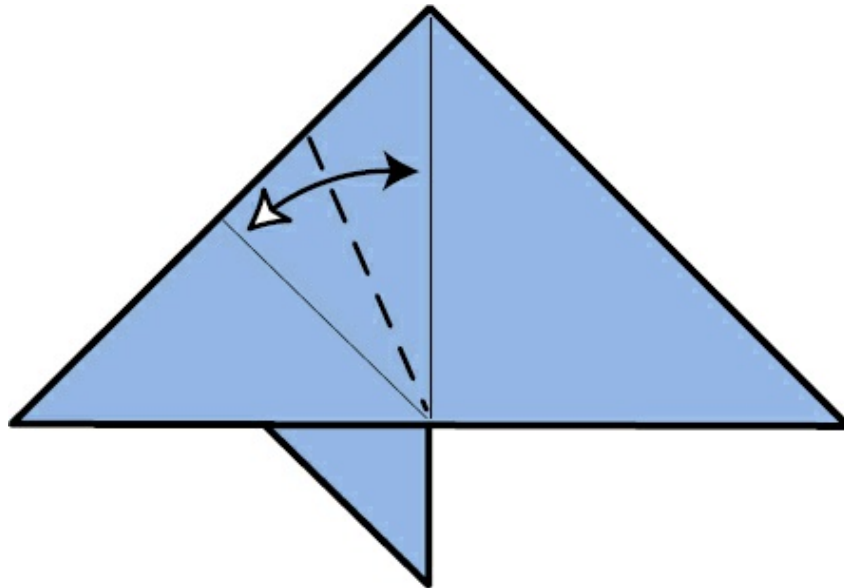
5 Fold a flap down to lie on the vertical crease.



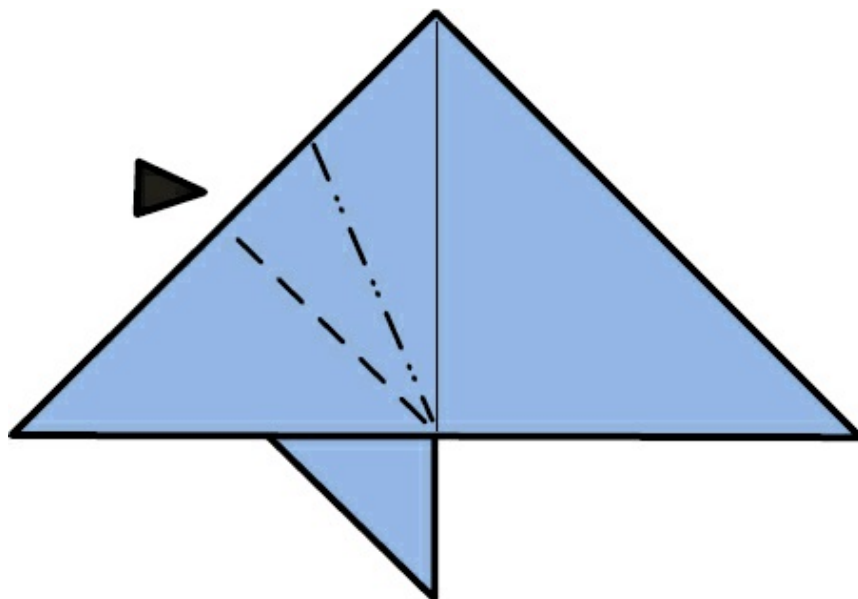
6 This is the result. Turn the paper over.



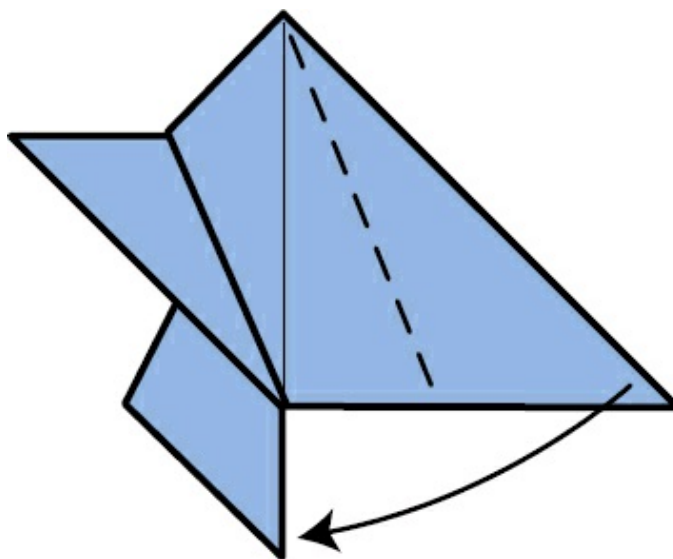
7 Fold the lower left corner to the top, crease and unfold.



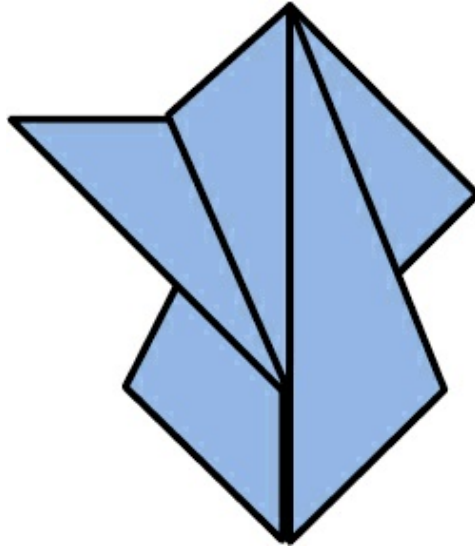
8 Fold the recent crease to the vertical crease, crease firmly, then unfold.



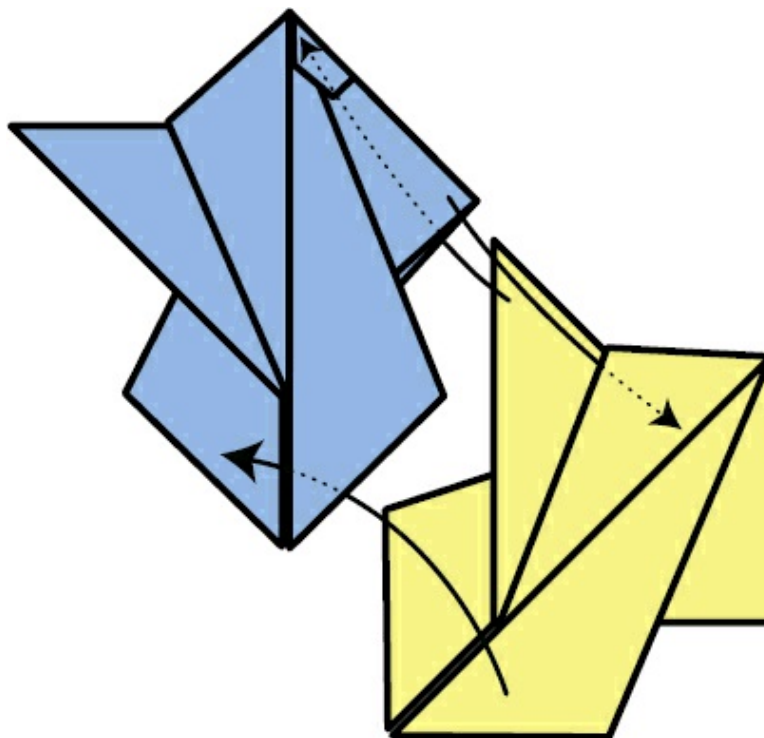
9 Make a double reverse fold on the upper flap.



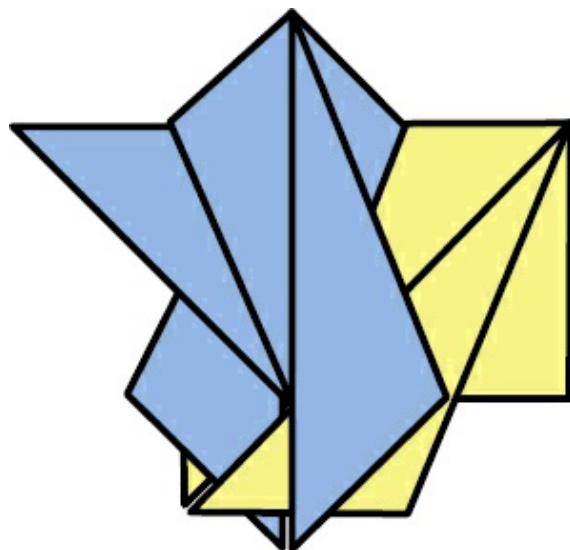
10 Fold the upper right edge to lie on the vertical crease.



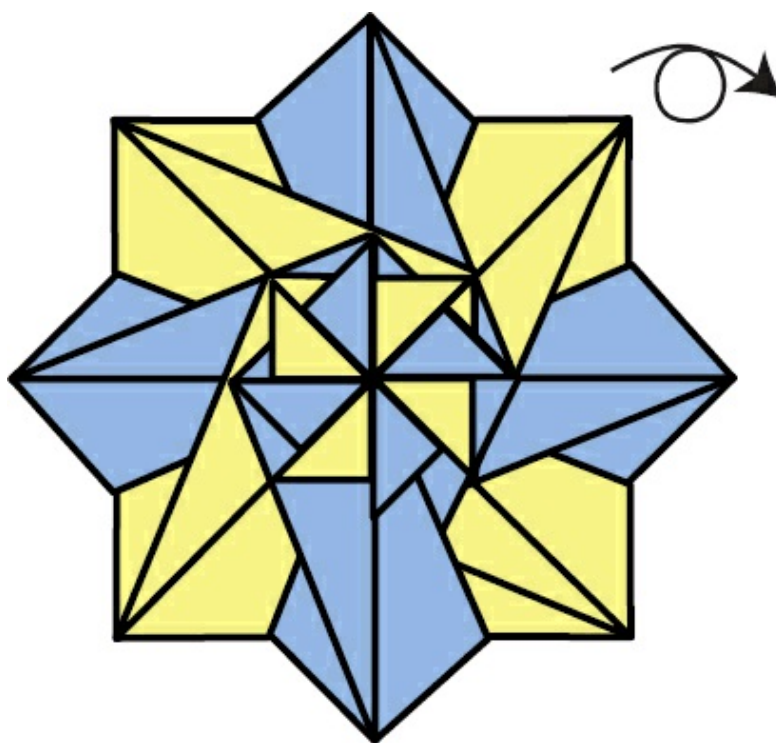
11 The unit is complete. Make another 7 units, using two different colors.



12 Interweave the flaps of the lower unit as shown.



- 13 Add the remaining units in the same way - the central flaps overlap in the same way on the underside.

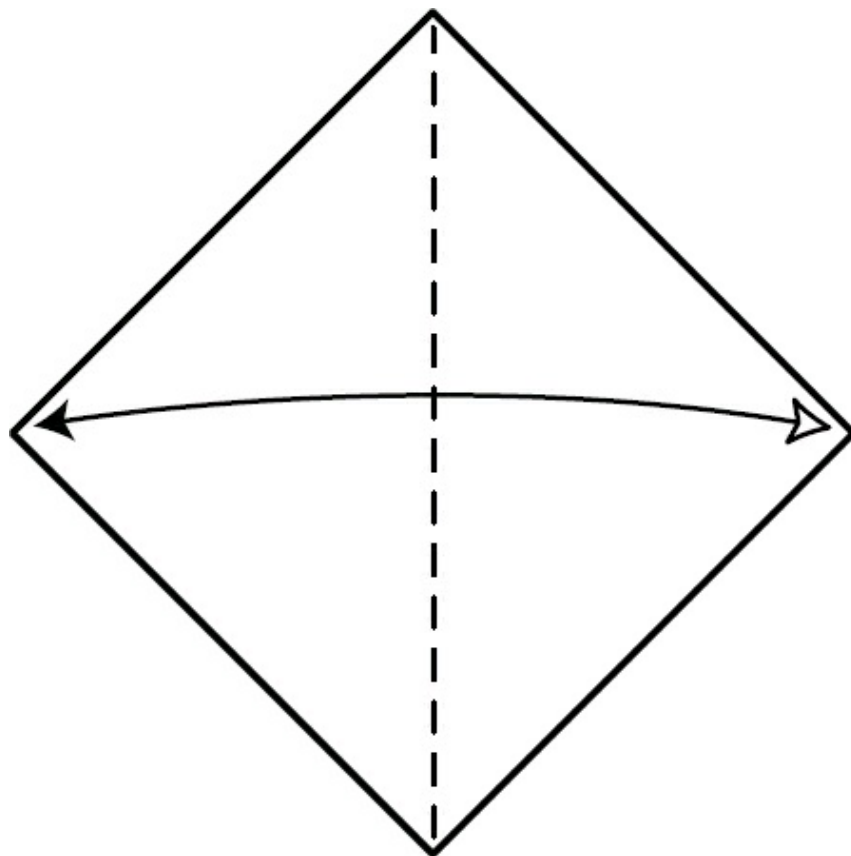


- 14 The last unit is hardest to insert, so be careful. Turn over when complete. You can tuck the inner corners behind layers.

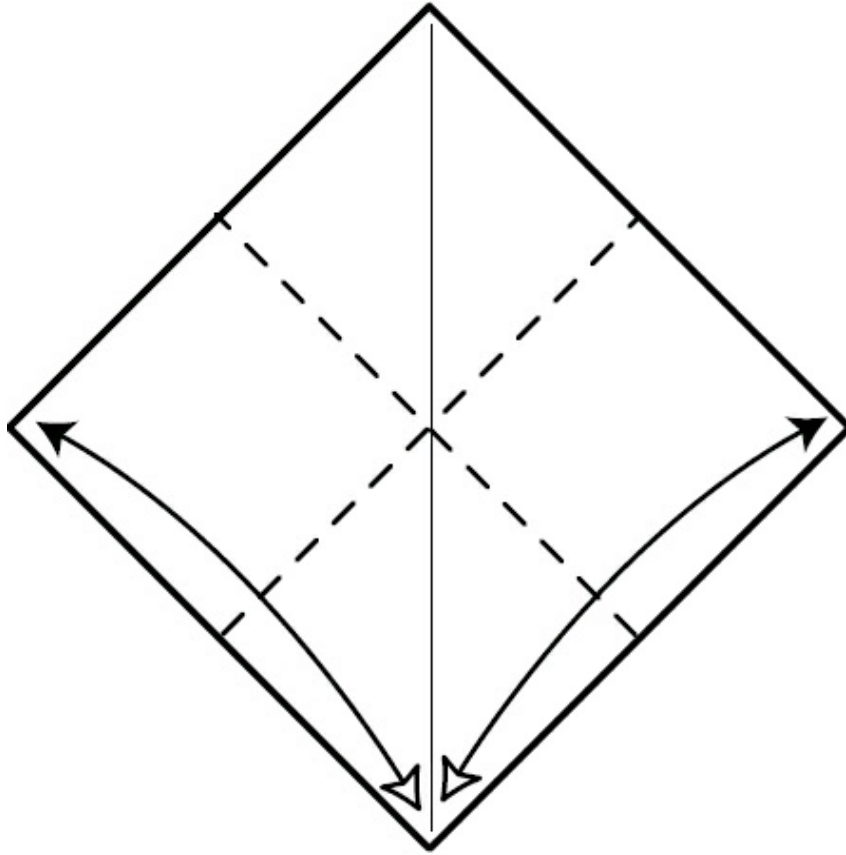
3D Heart



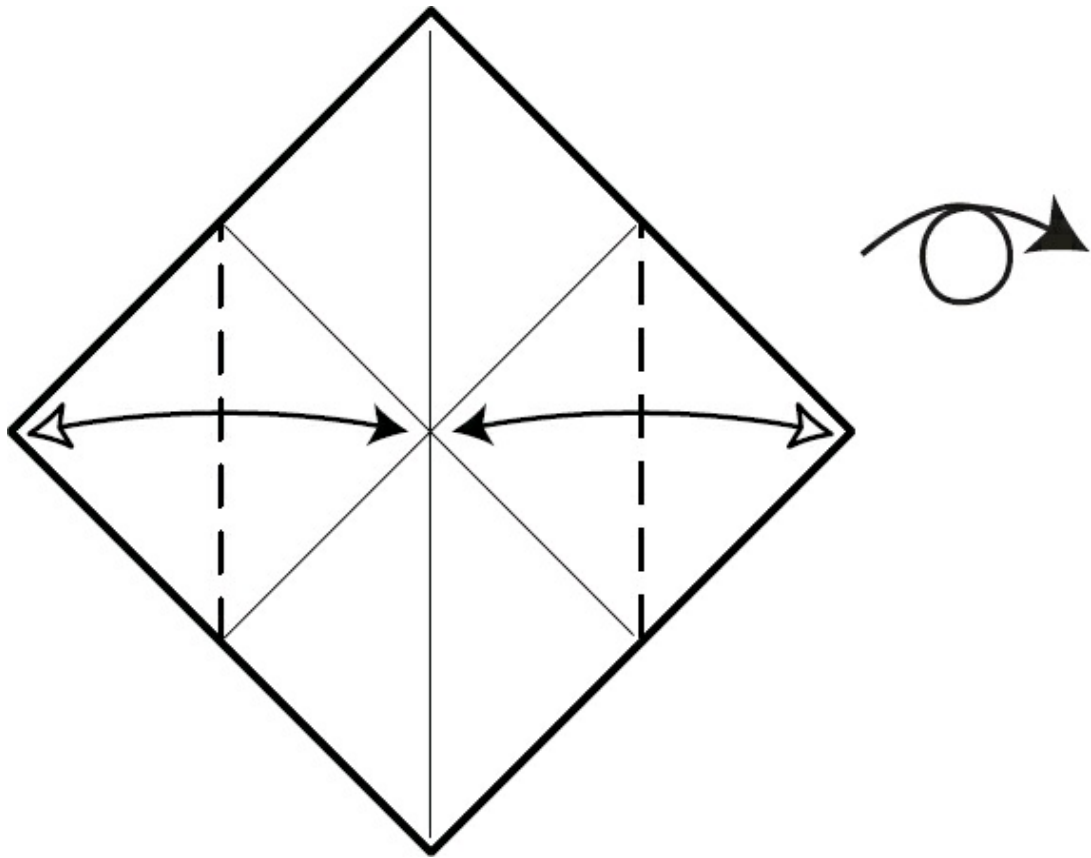
This design requires a square of paper, ideally red in color. It works best with slightly stiffer paper, such as an advertising leaflet or perhaps the wrapping from inside a box of chocolates.



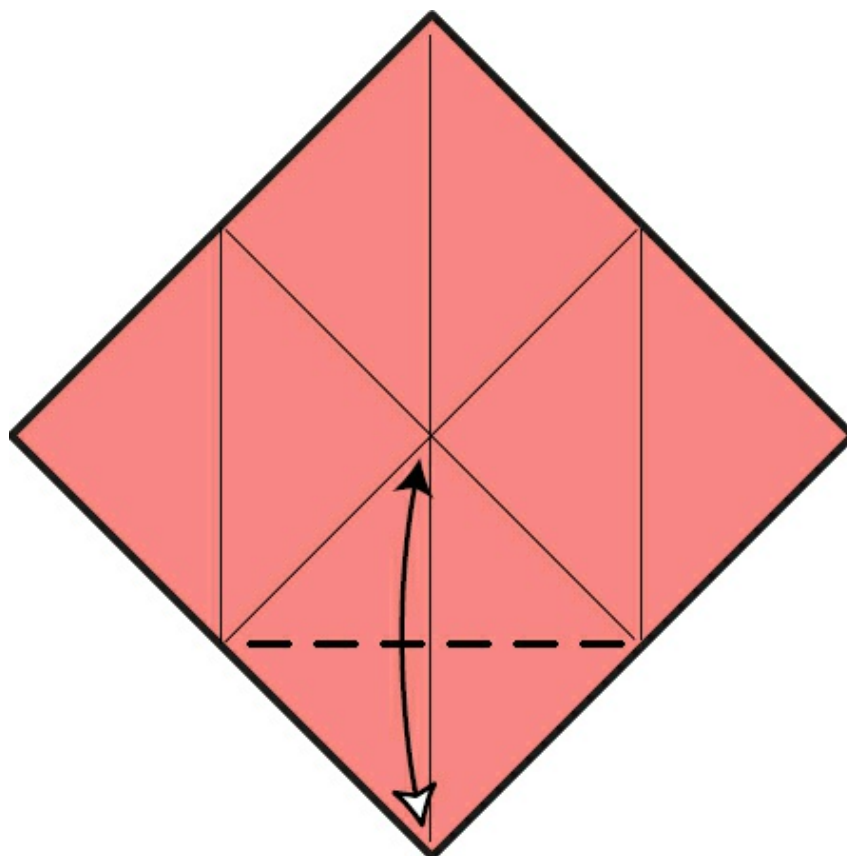
- 1 Fold in half from corner to corner, crease and unfold.



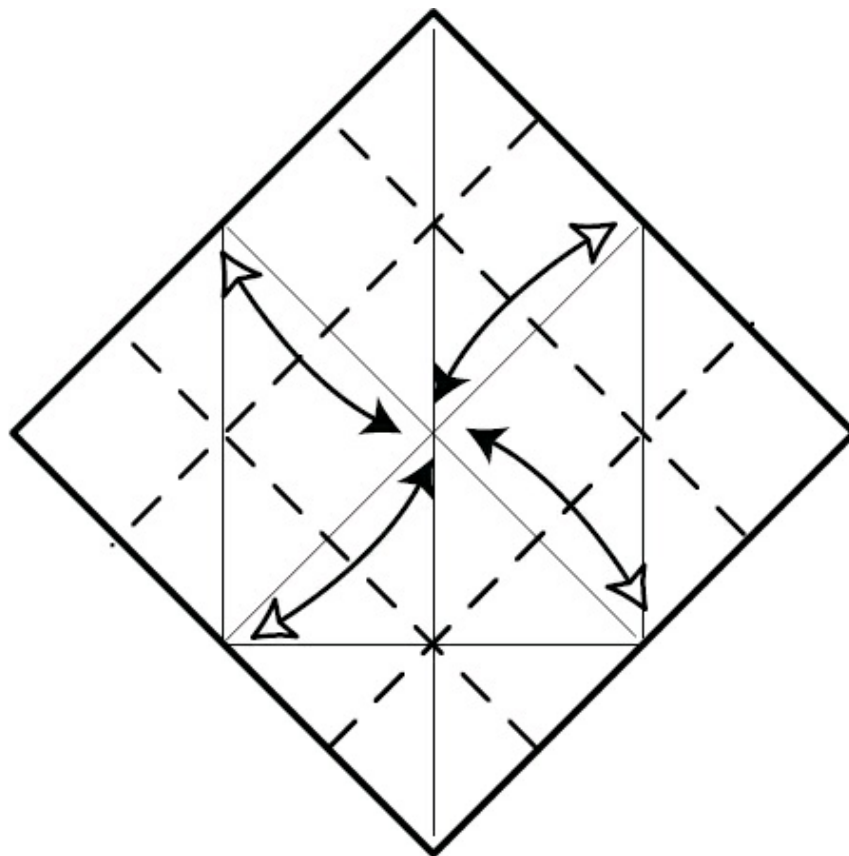
2 Fold in half from side to side, crease and unfold, in both directions.



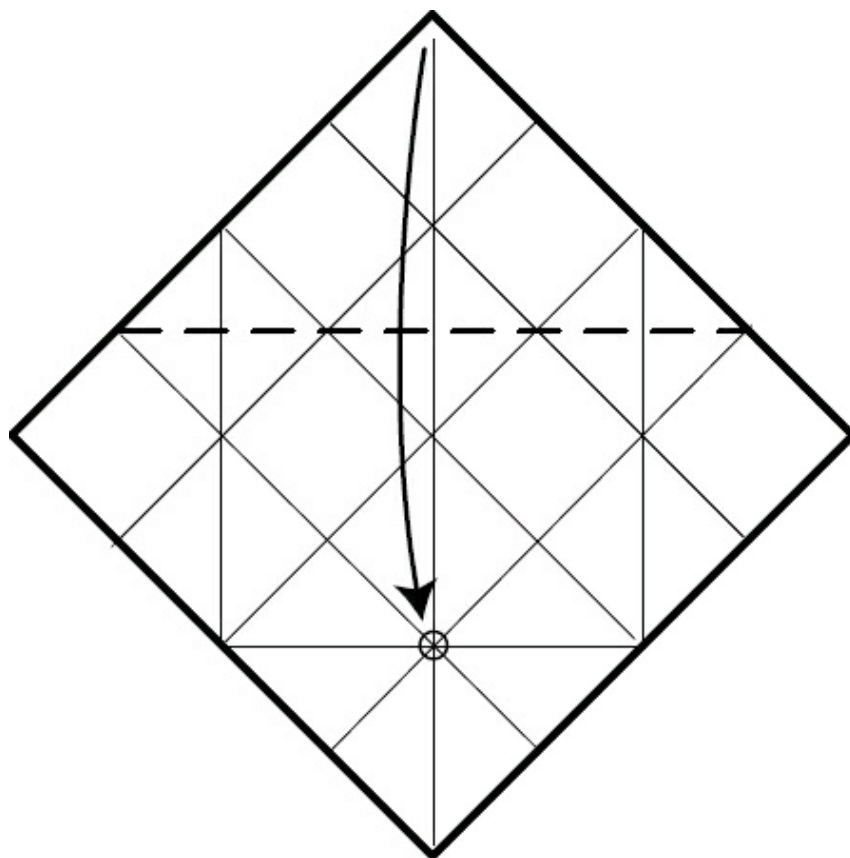
3 Fold left and right corners to the center, crease and unfold. Turn the paper over.



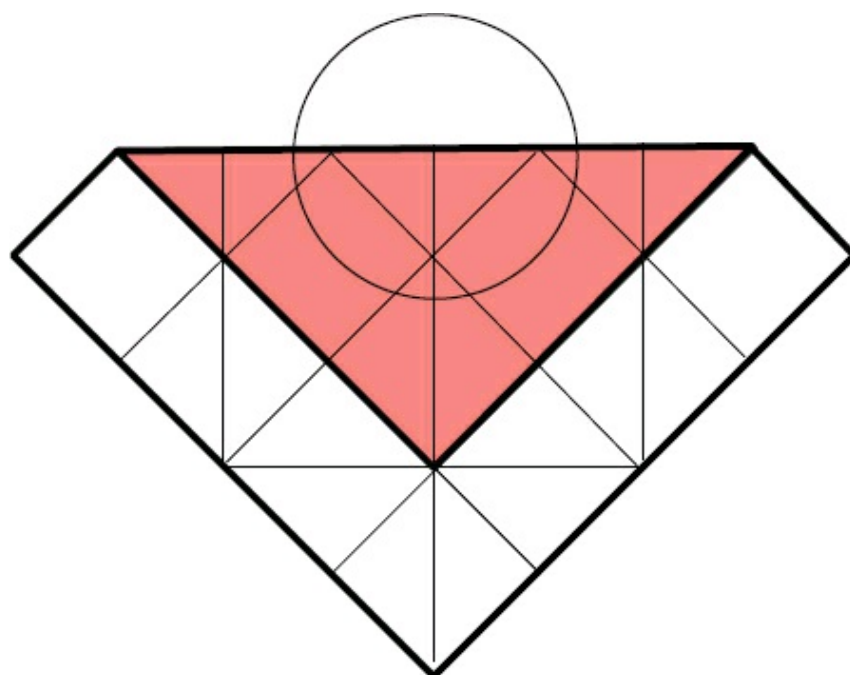
4 Fold the lower corner to the center, crease and unfold. Turn the paper over.



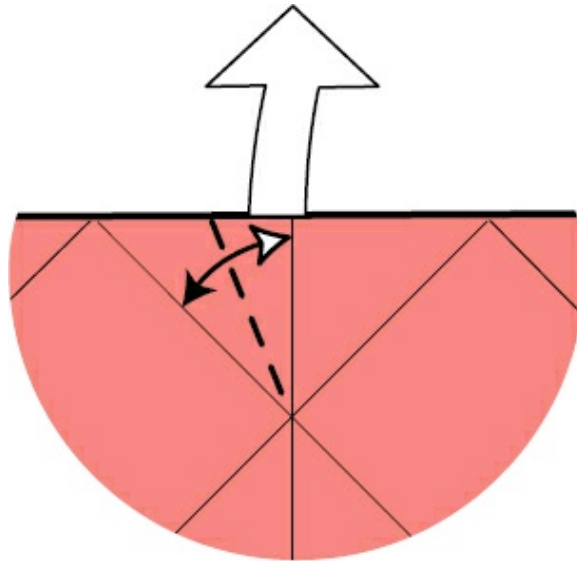
5 Fold each side to the center, crease and unfold.



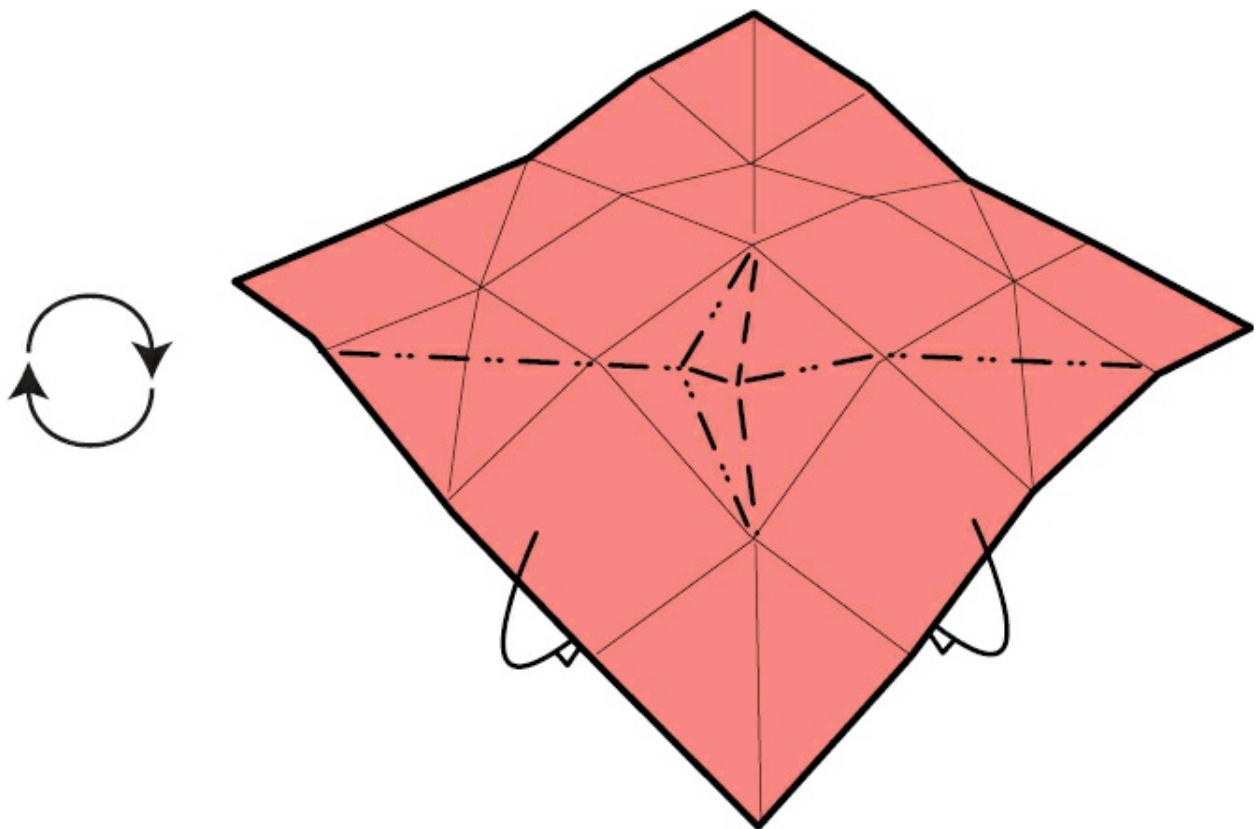
6 Fold the top corner to the circled point.



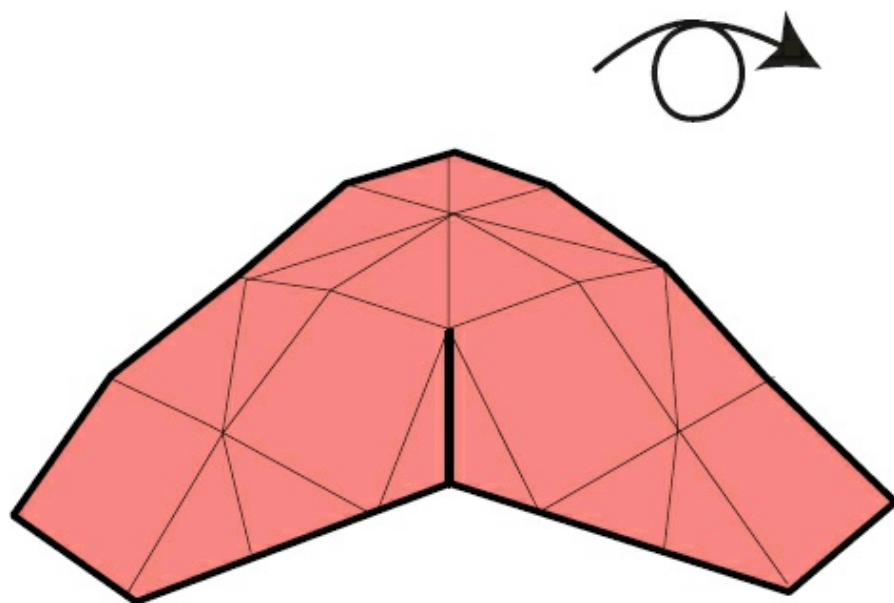
7 We will enlarge the circled area.



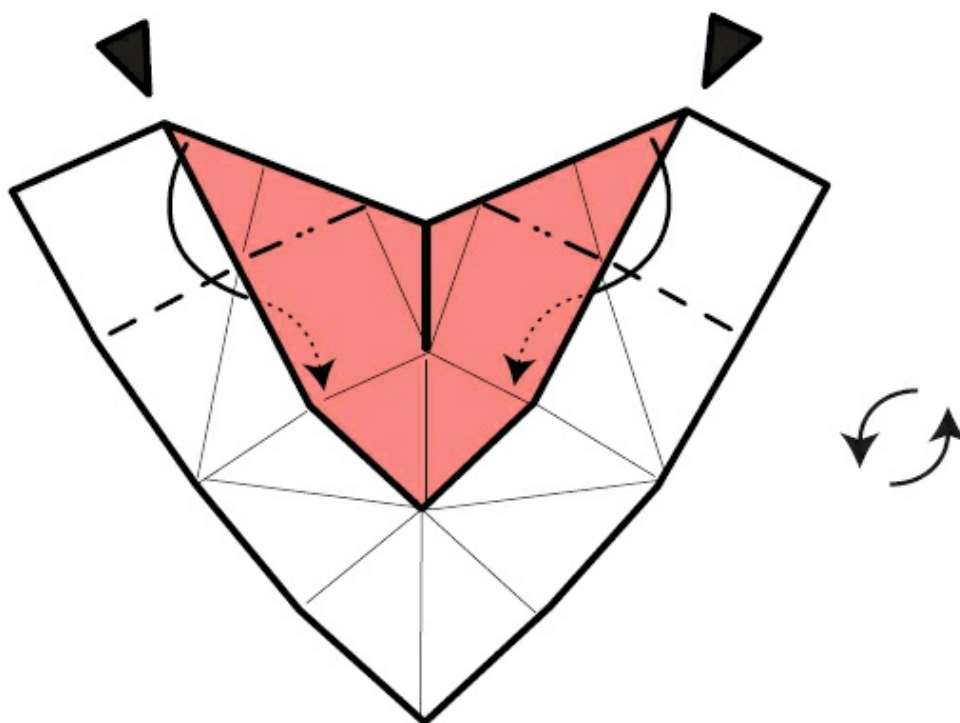
8 Carefully make this pre-crease, then unfold to the square. Rotate 180 degrees.



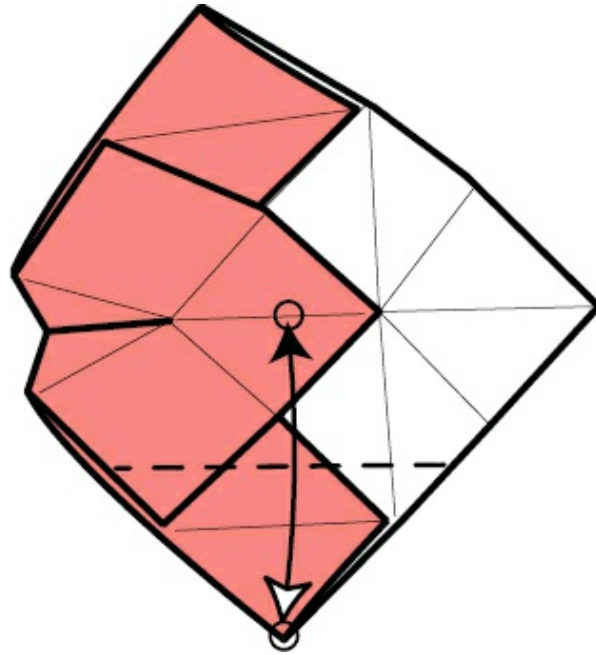
9 Form these creases and fold the lower section behind, trapping layers at the center.



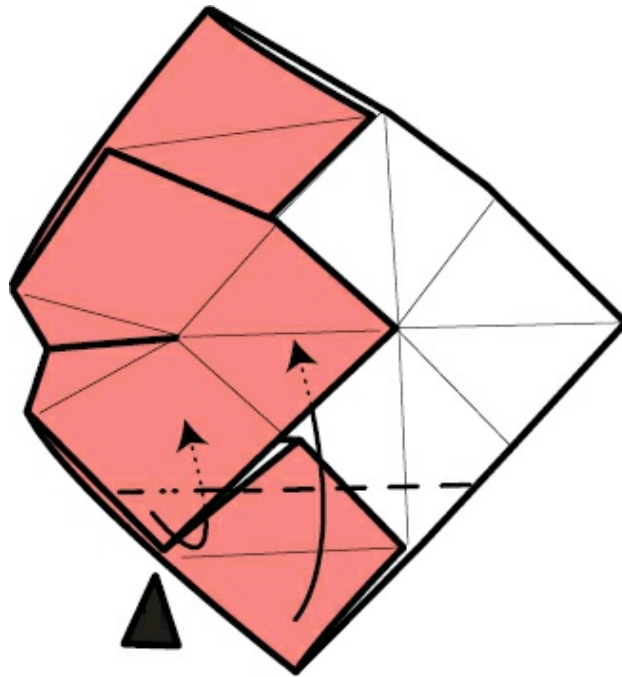
10 This is the result. Turn the paper over.



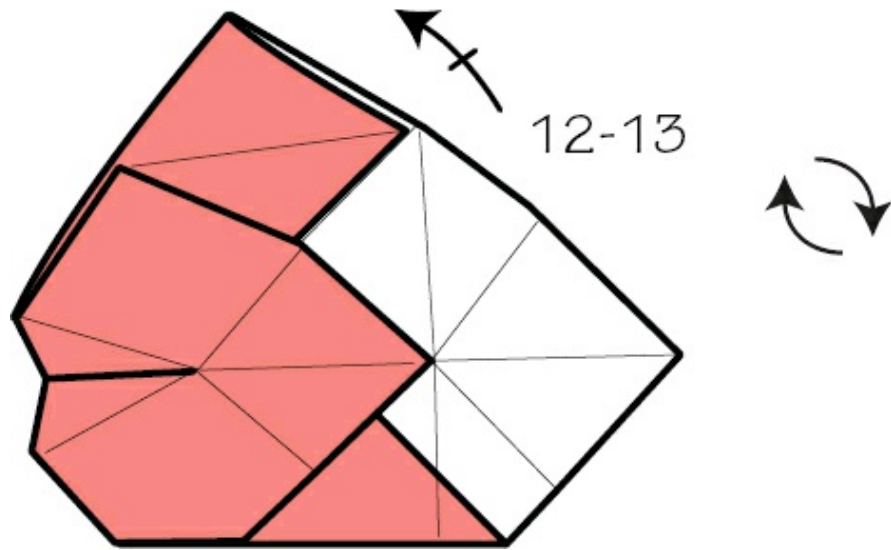
11 Press the corners inside using reverse folds.



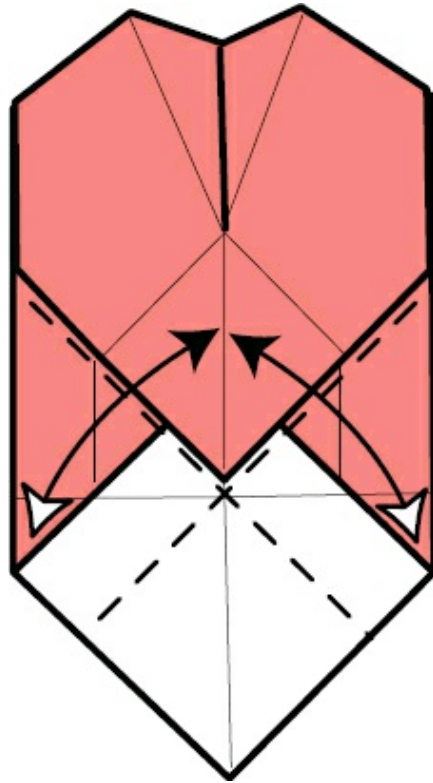
12 Fold so the circled points meet, crease firmly then unfold.



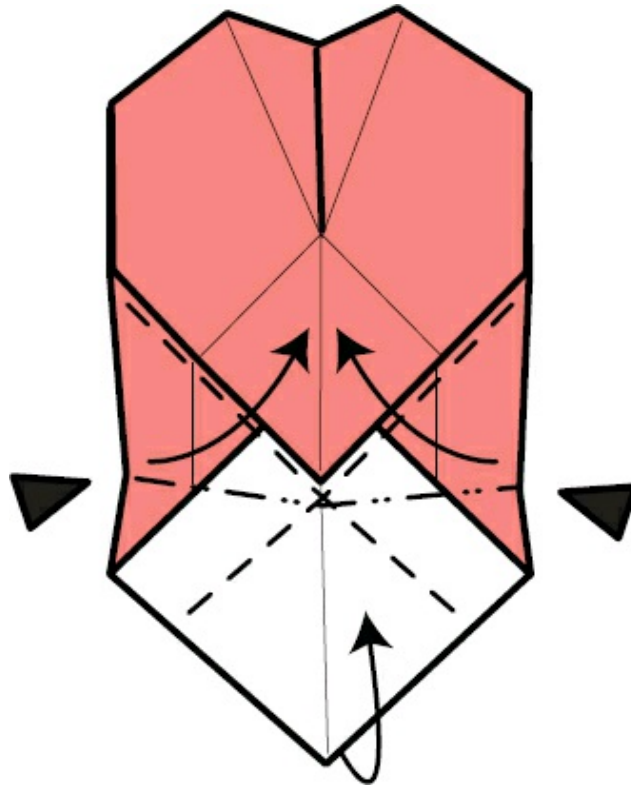
13 Reverse the small corner, then fold the lower flap inside.



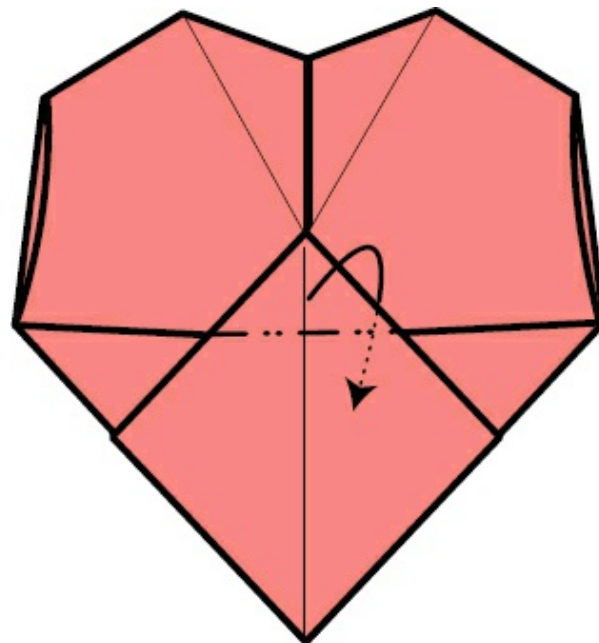
14 Repeat steps 12-13 on the upper half.



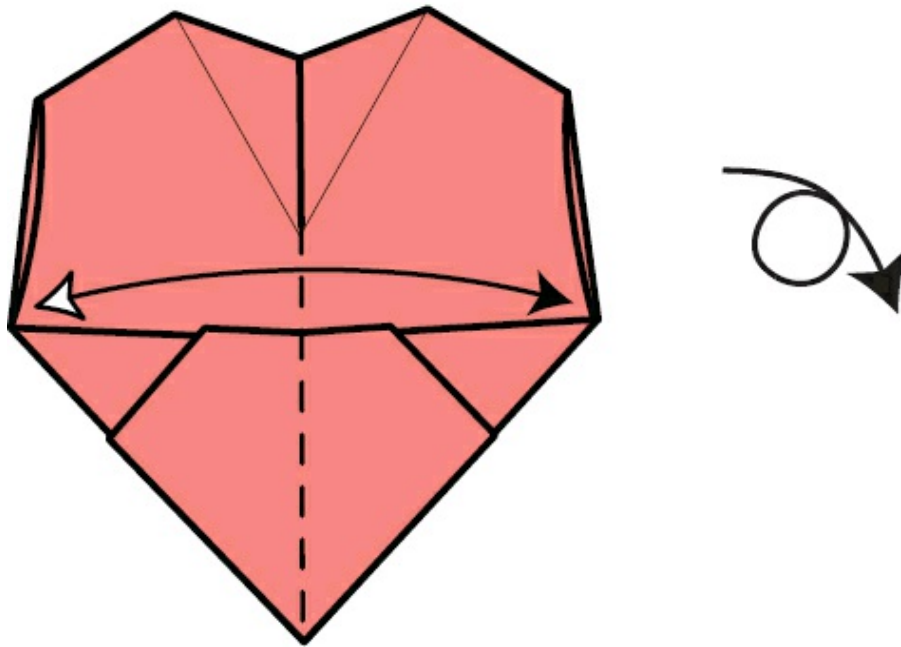
15 Reinforce these creases.



16 Collapse the sides inwards and the lower corner upwards.



17 Fold the corner behind, trapping two flaps.

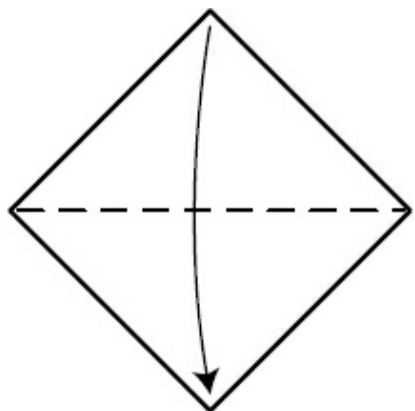


18 Reinforce the central crease, then shape the model. Turn the paper over.

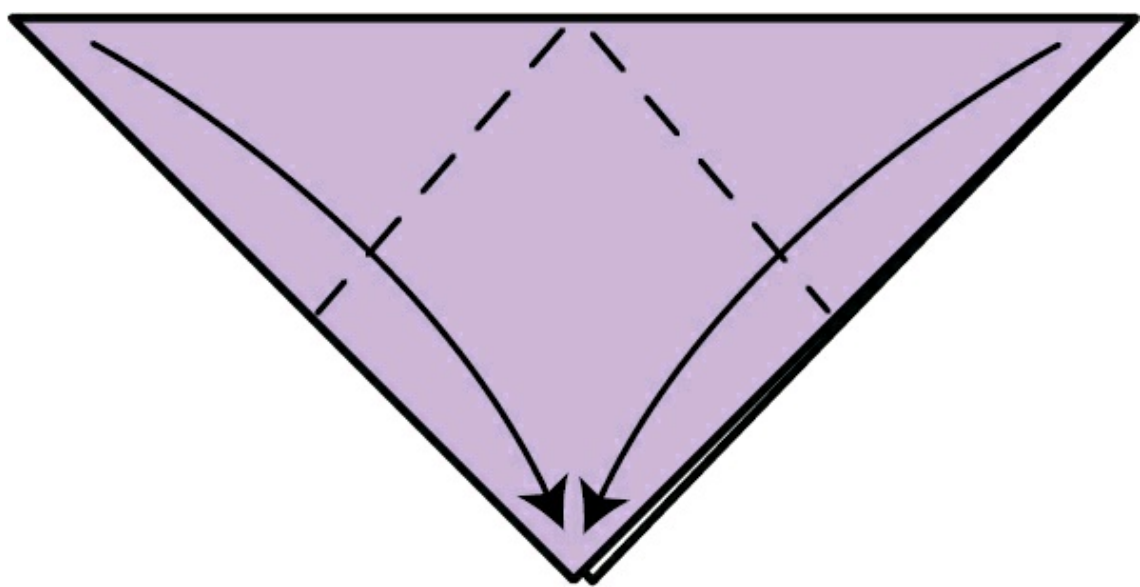
Fleur De Lys



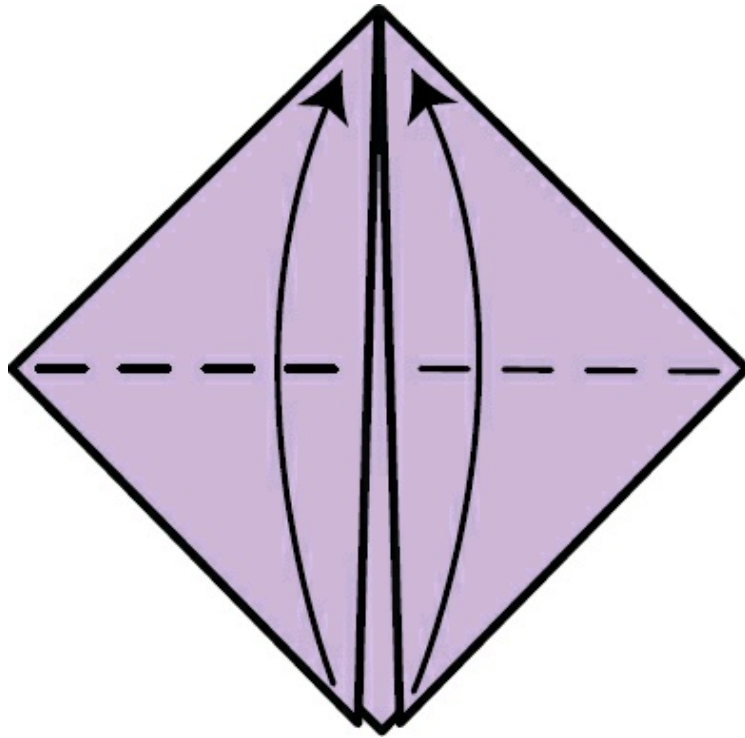
A paper napkin is the best material for this design, since it needs soft, flexible material. You could even use a cloth napkin.



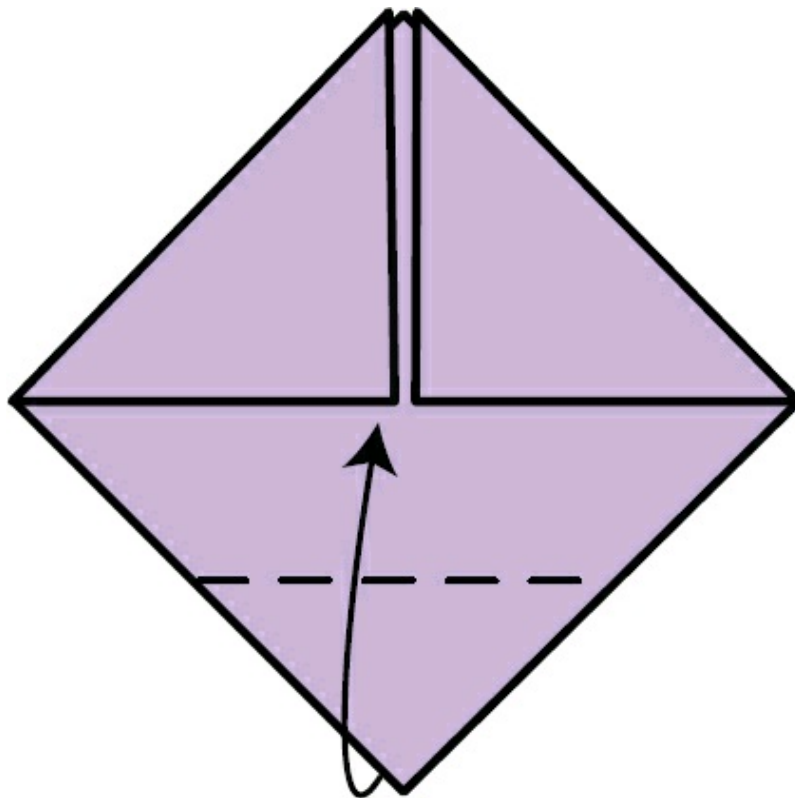
1 Fold in half downwards.



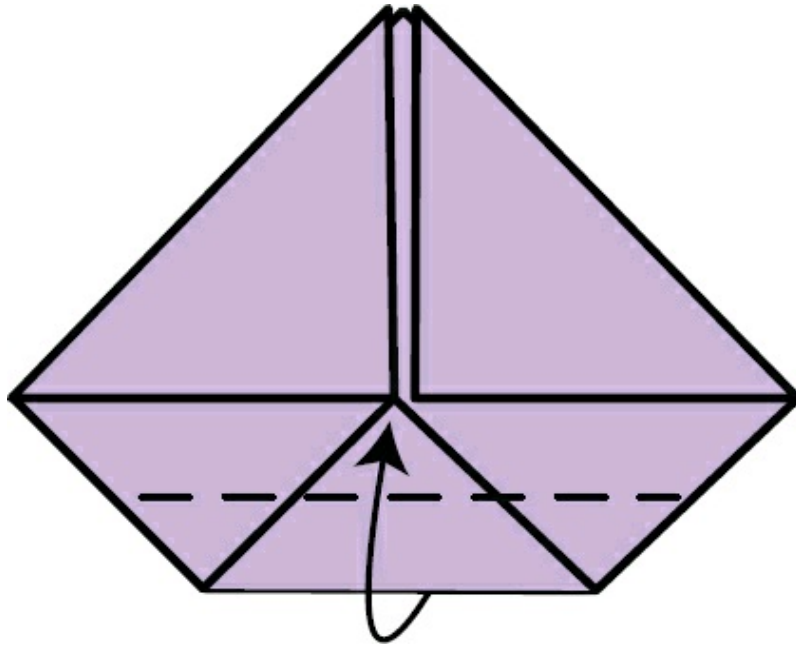
2 Fold the outer corners to the lower corner.



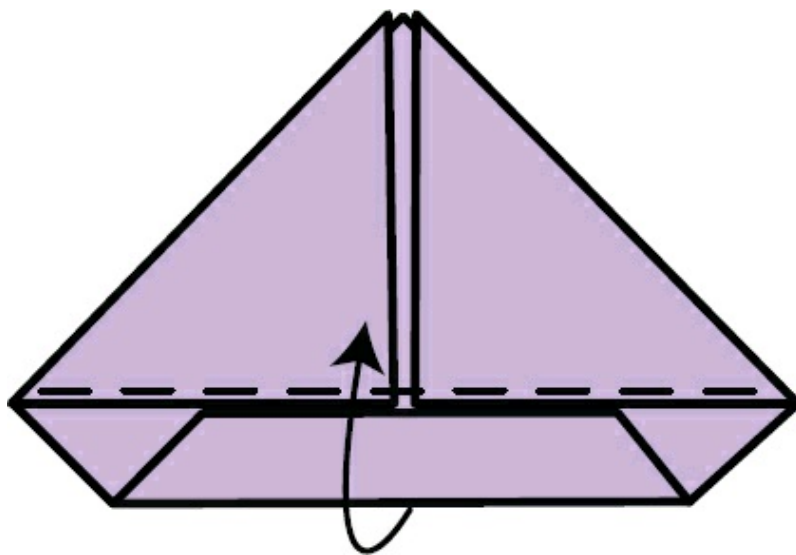
3 Fold the same corners to the top corner.



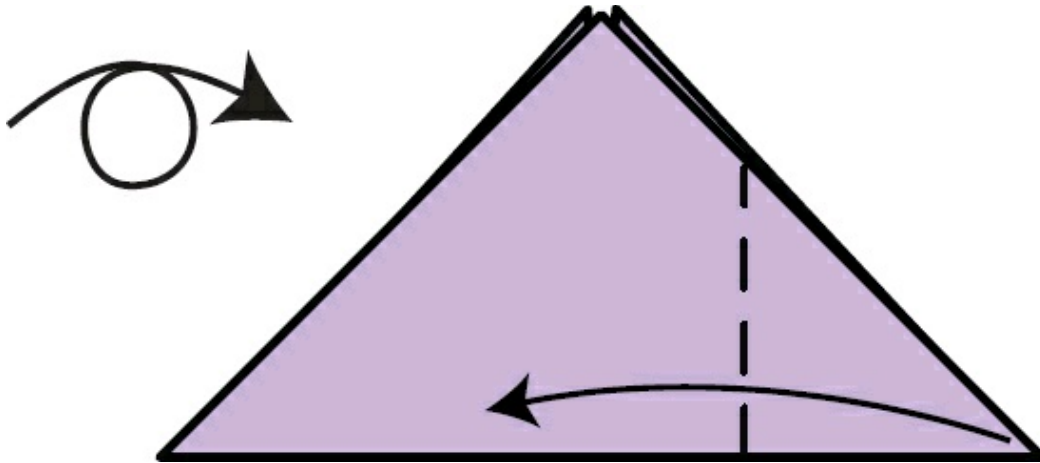
4 Fold the lower section in half.



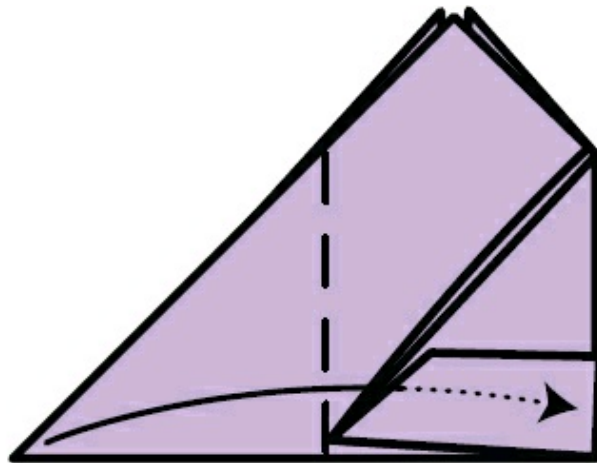
5 Fold the lower section in half.



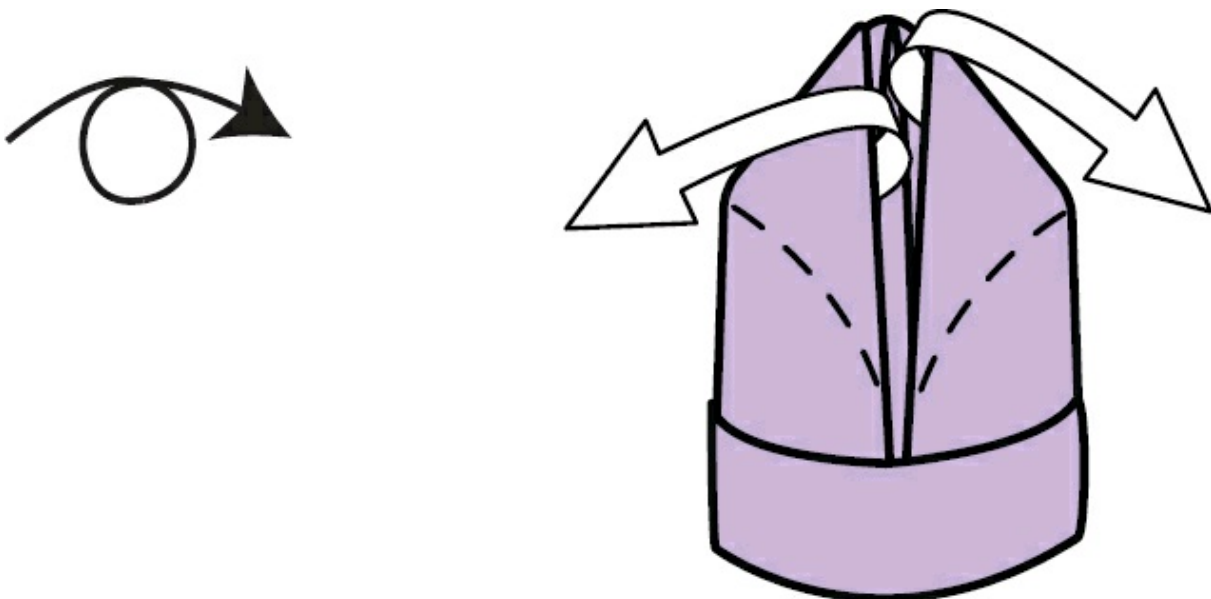
6 Fold the lower section upwards. Turn the paper over.



7 Fold one third (or less) from right to left.



8 Tuck the other flap between layers. Turn the paper over.

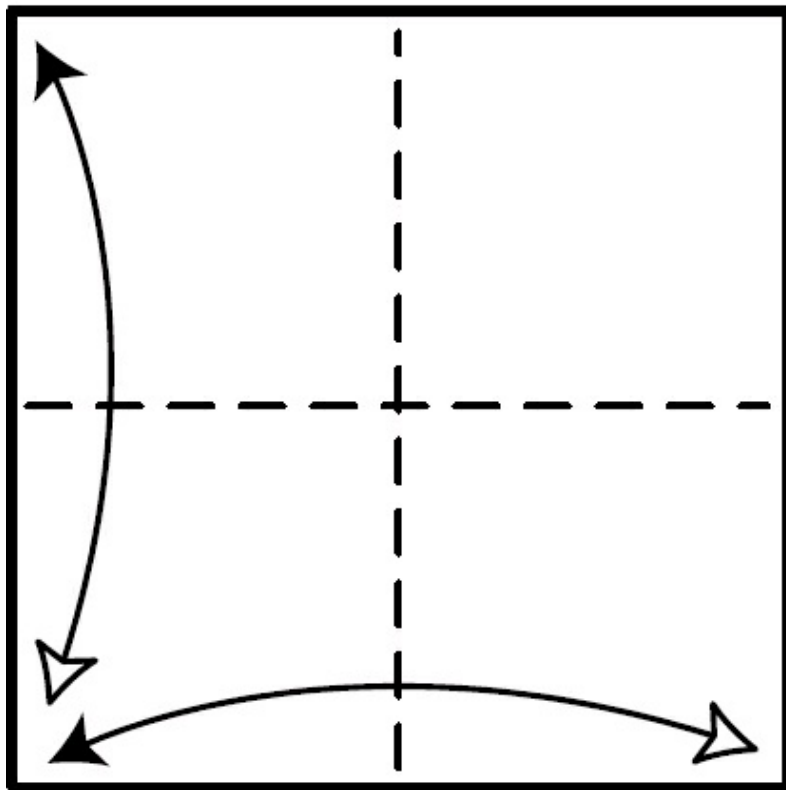


9 Peel out two flaps.

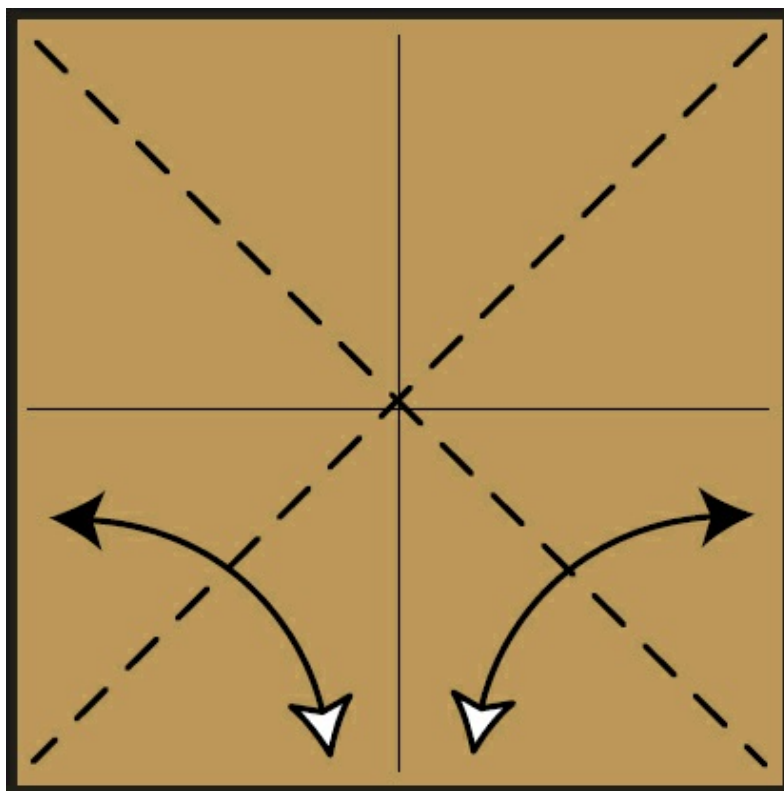
Flower



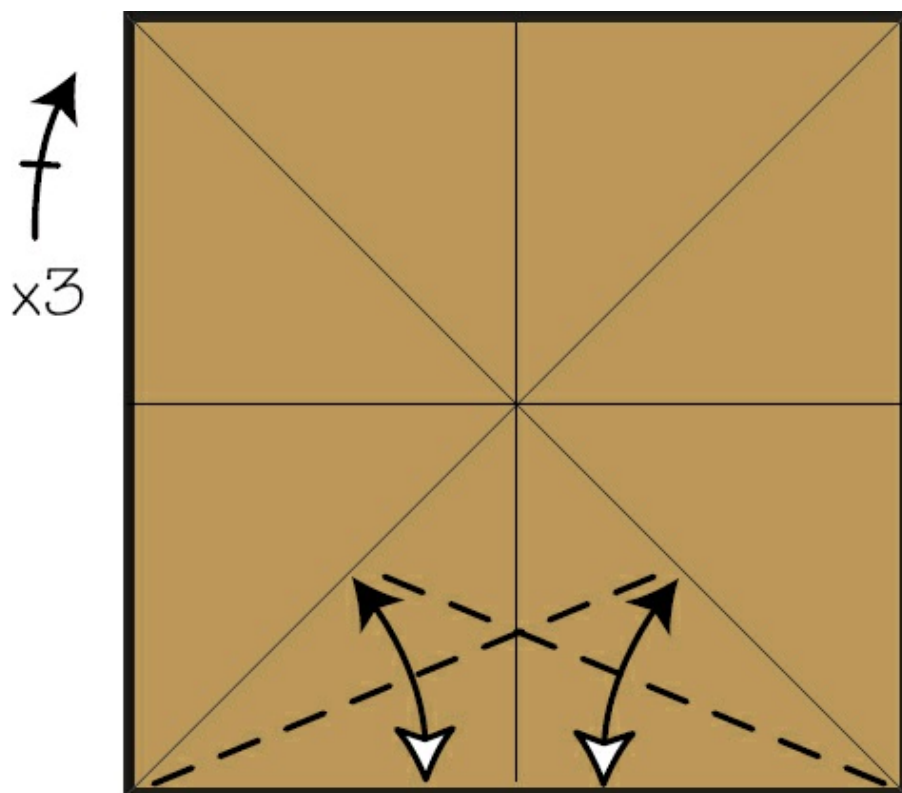
This beautiful flower should be made from paper with different colors on either side; for example, paper used to wrap up flowers.



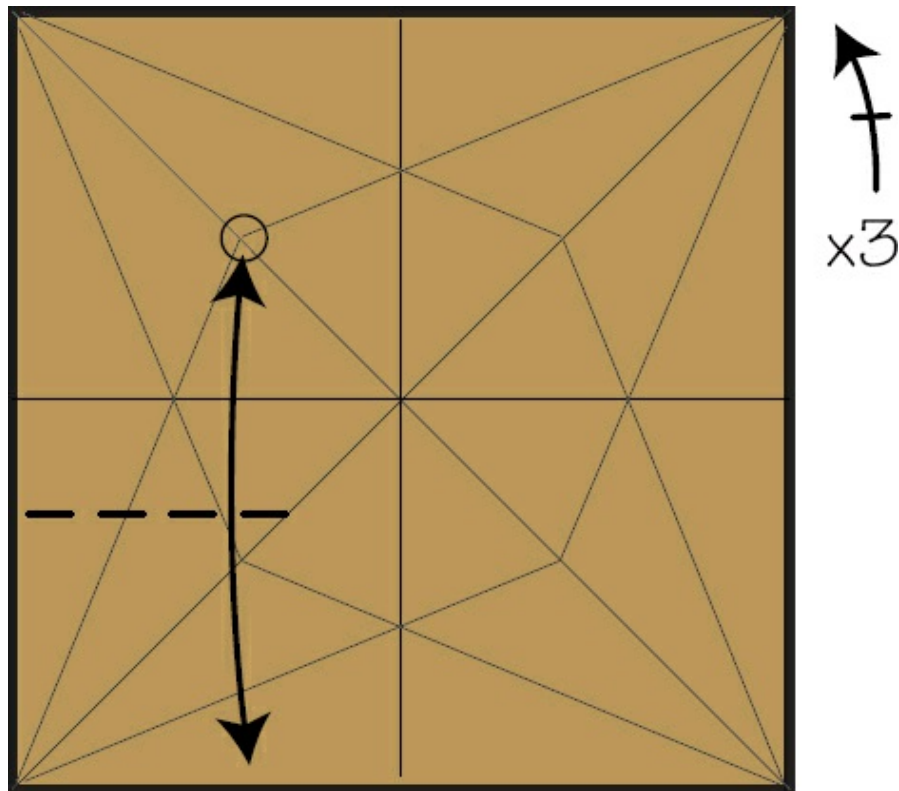
- 1 Fold in half from side to side, crease and unfold, in both directions. Turn the paper over.



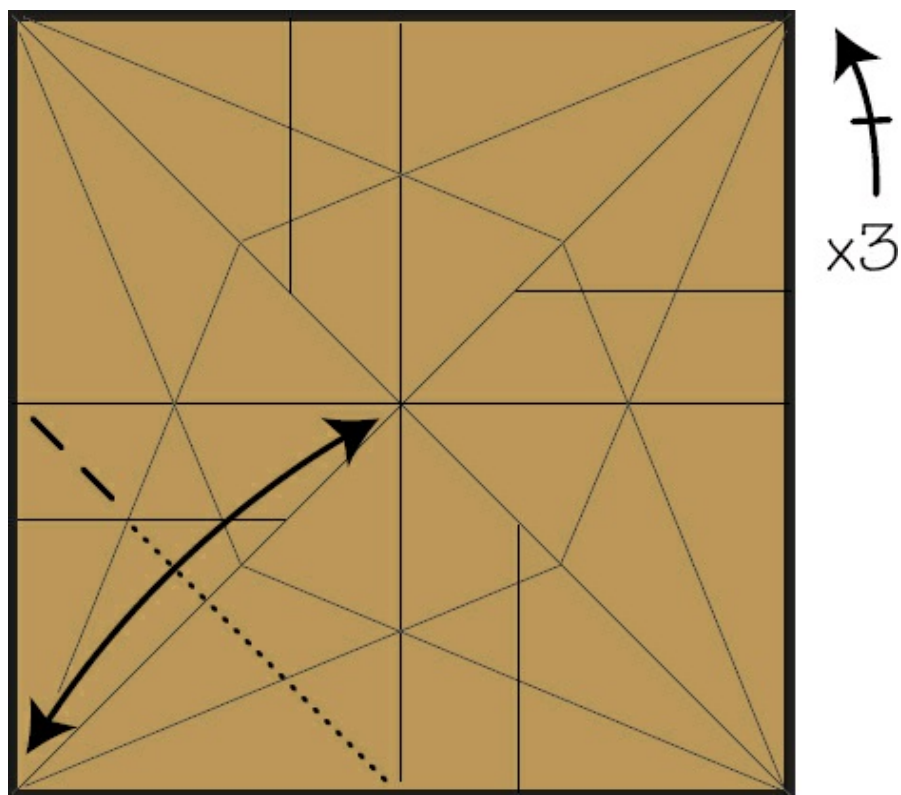
2 Fold in half from corner to corner, crease and unfold, in both directions.



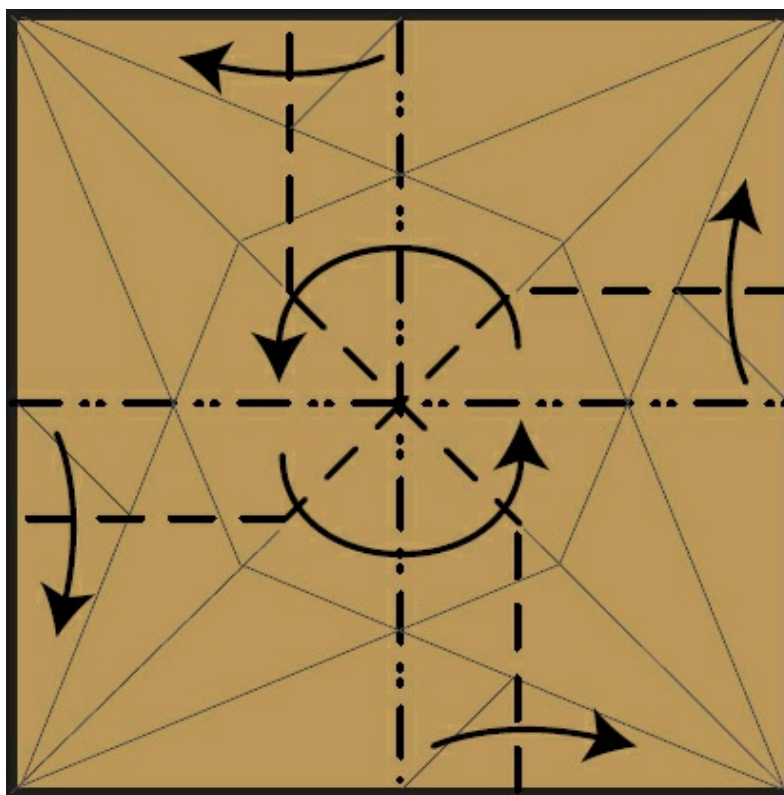
- 3 Fold the lower edge to each diagonal, creasing where shown then unfolding. Repeat 3 times.



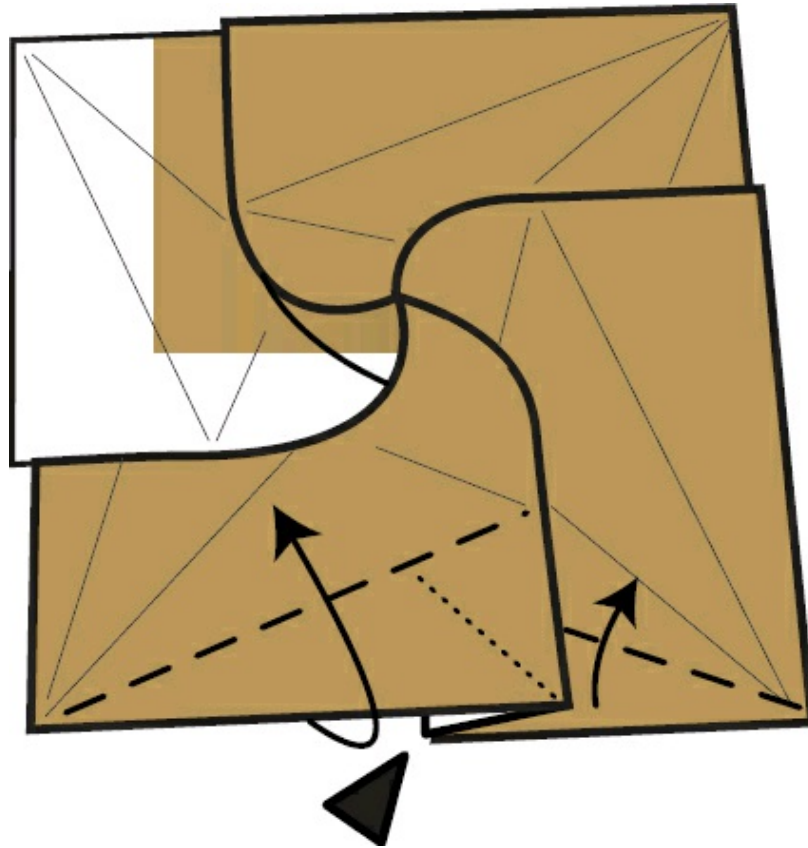
- 4 Fold the lower edge to the circled point, crease and unfold. Repeat 3 times.



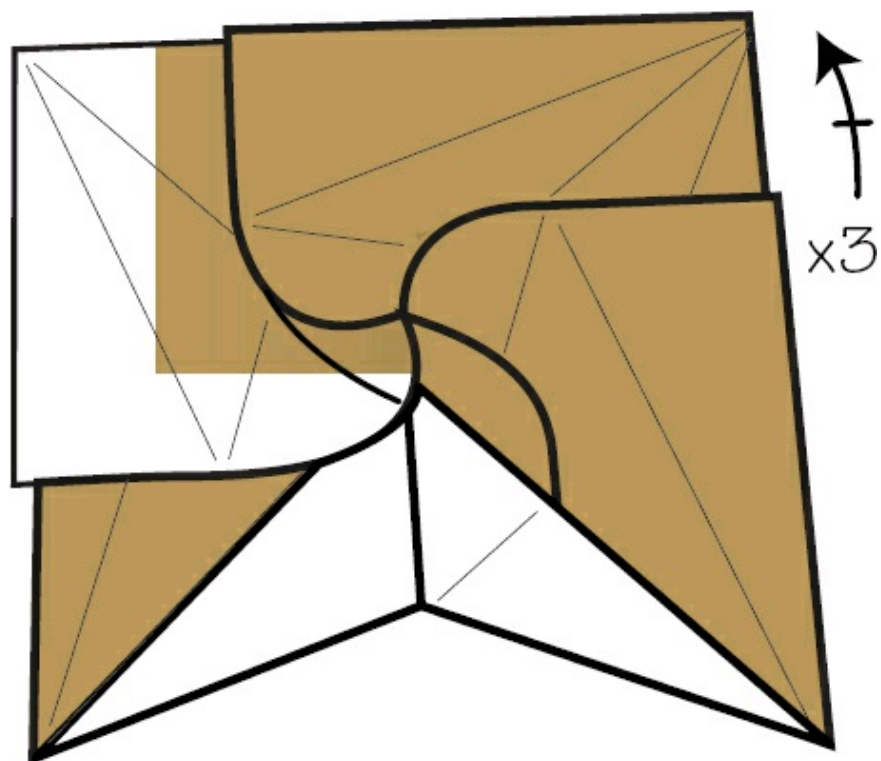
5 Fold the corner to the center, crease where shown and unfold. Repeat 3 times.



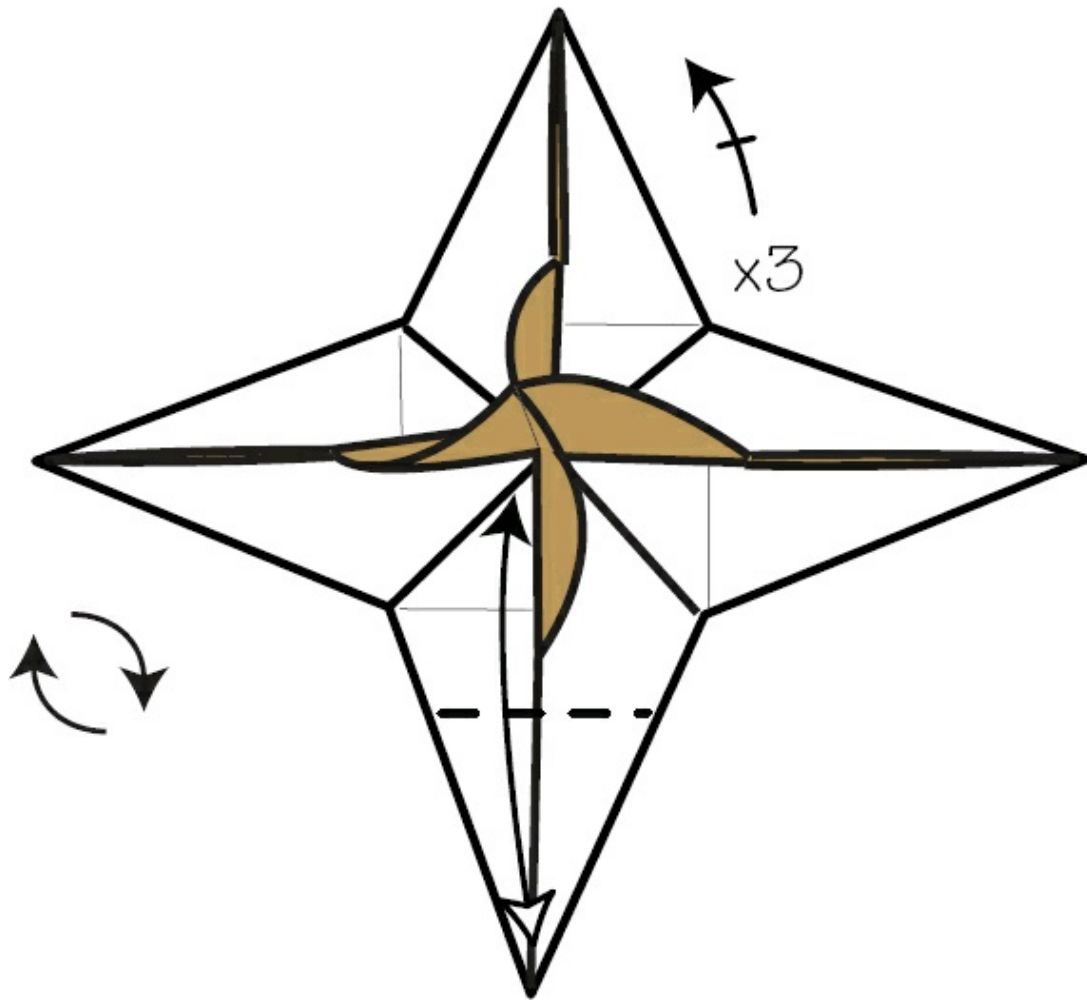
6 Twist the center section, forming half of a preliminary base at the center.



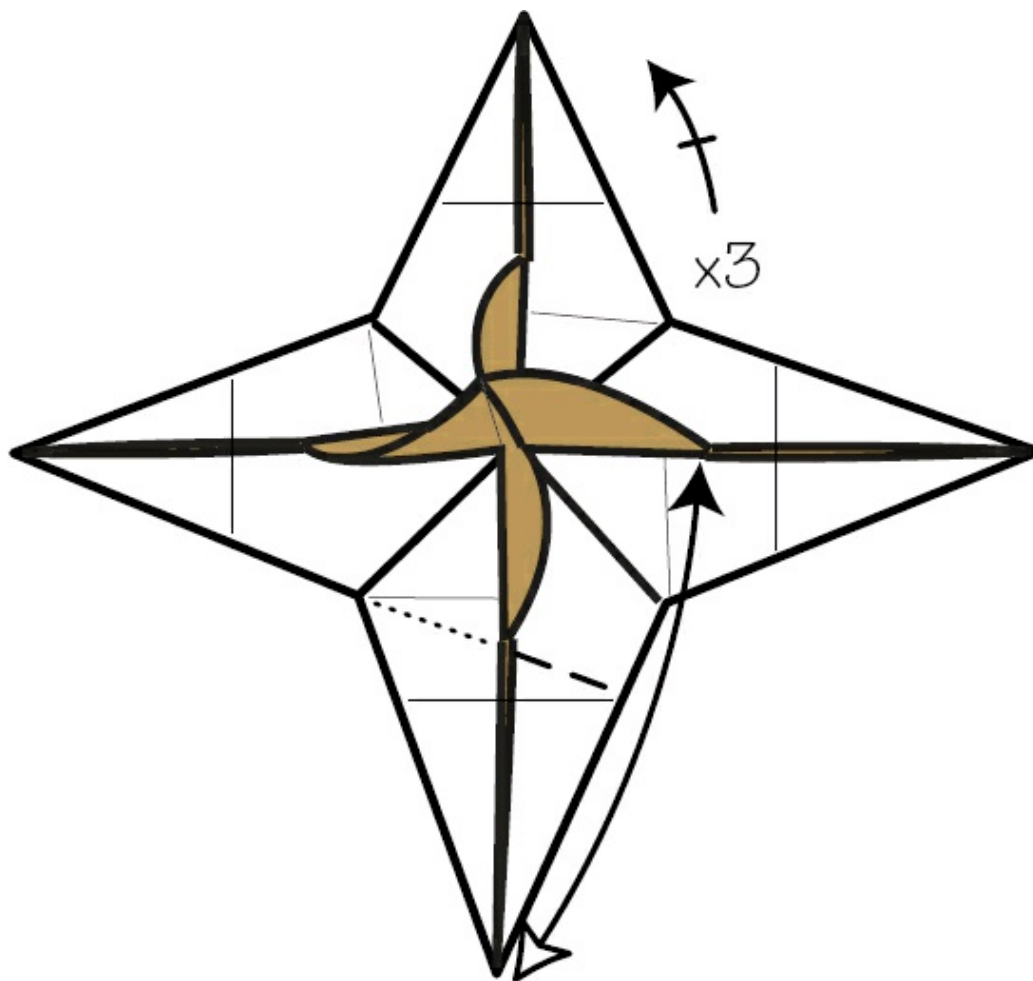
7 Fold over the valley on the left, forming a similar crease on the right.



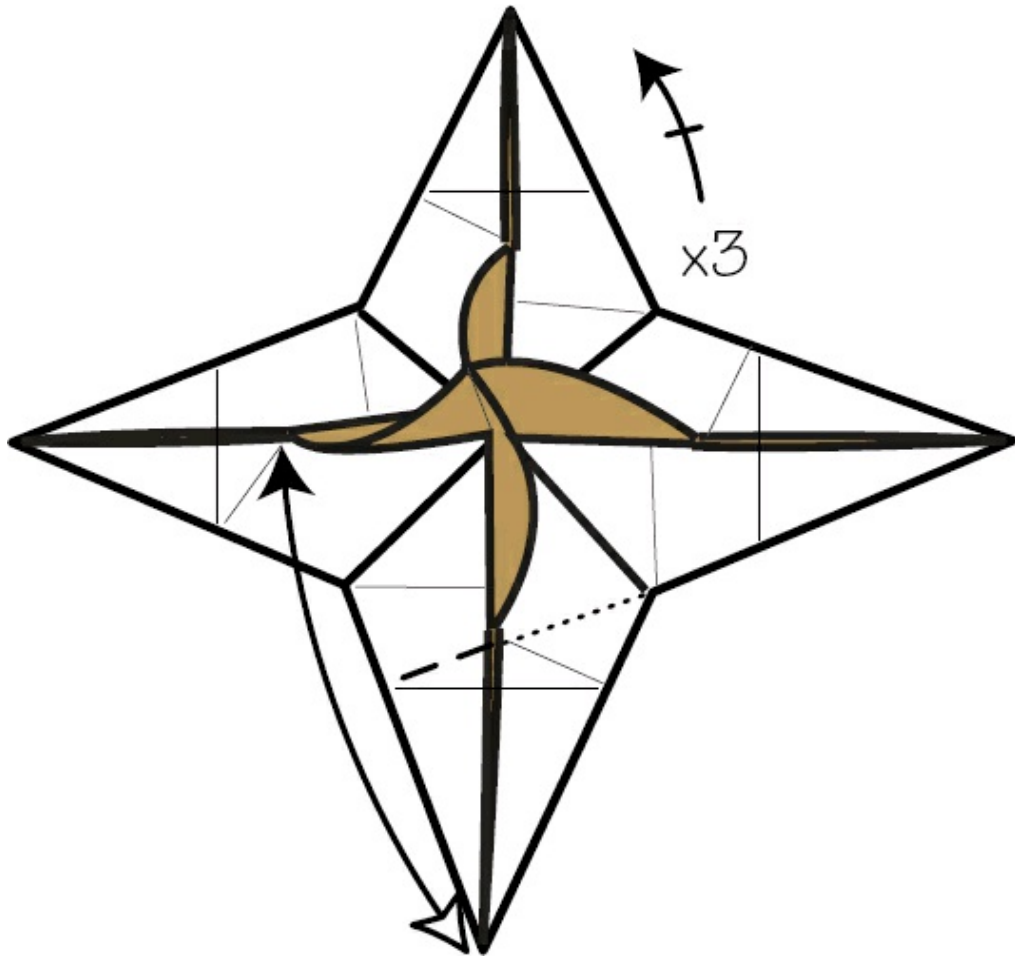
8 This is the result. Repeat 3 times. Rotate the paper.



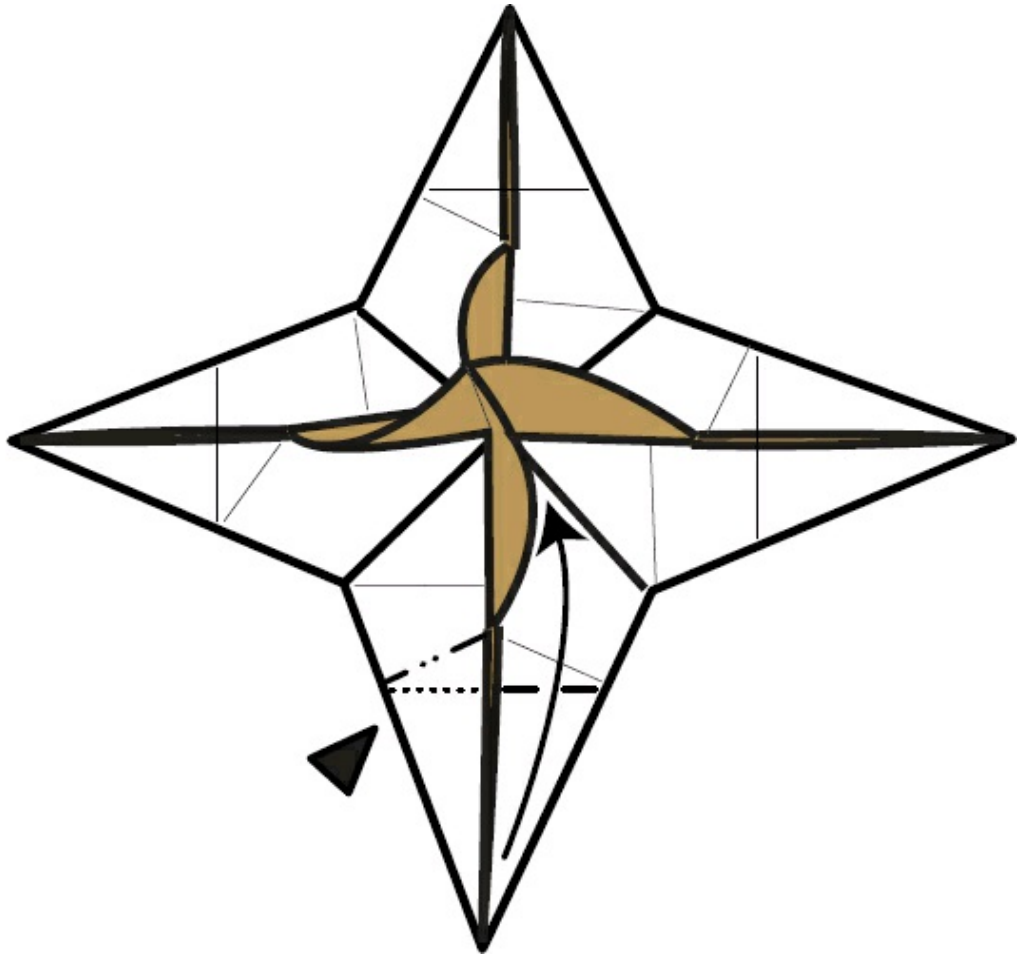
9 Carefully fold each corner to the center, crease and unfold.



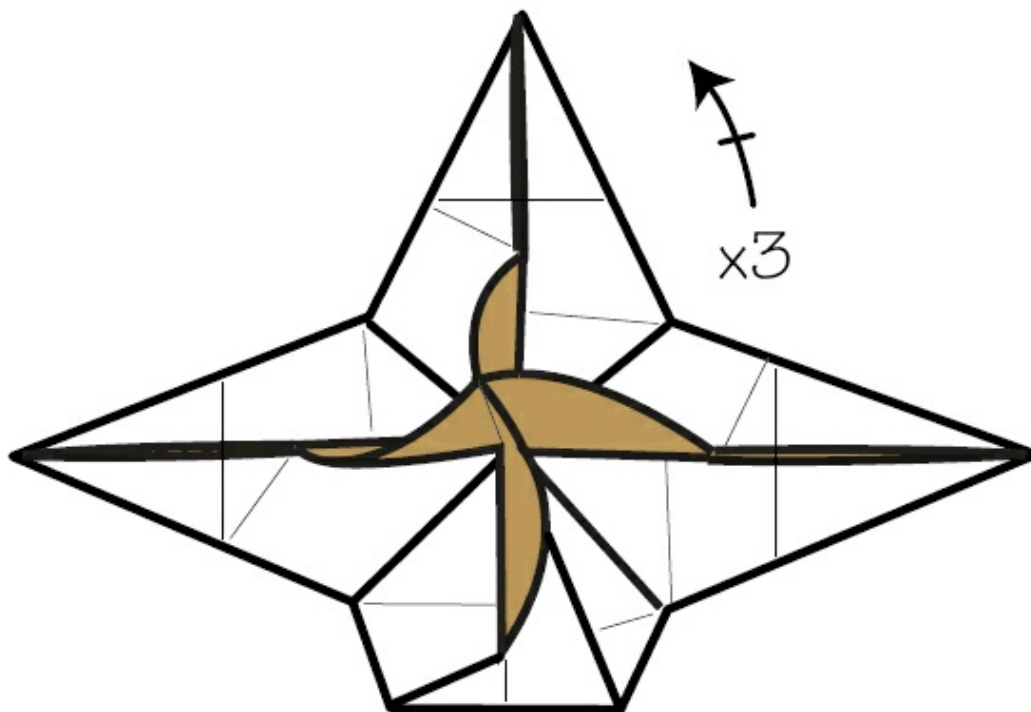
- 10 Fold each corner to the end of the colored section. Crease only where shown, then unfold. Repeat 3 times.



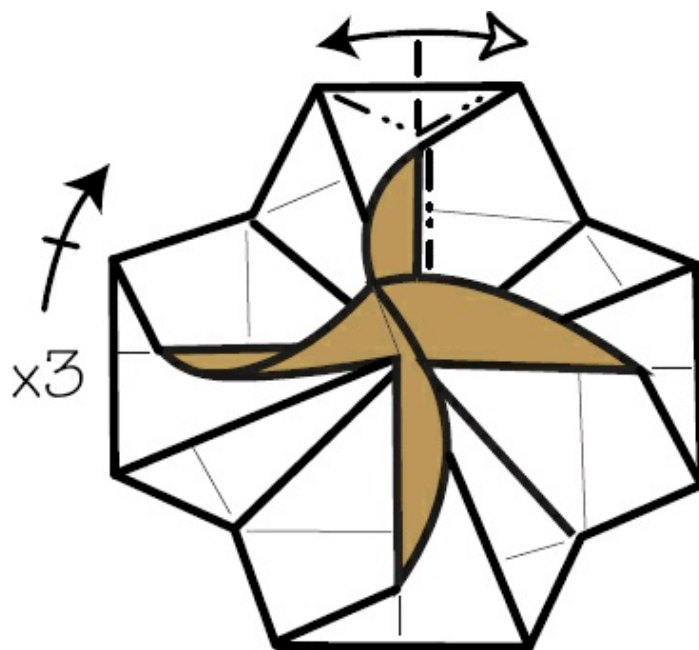
11 Repeat the last step in the other direction.



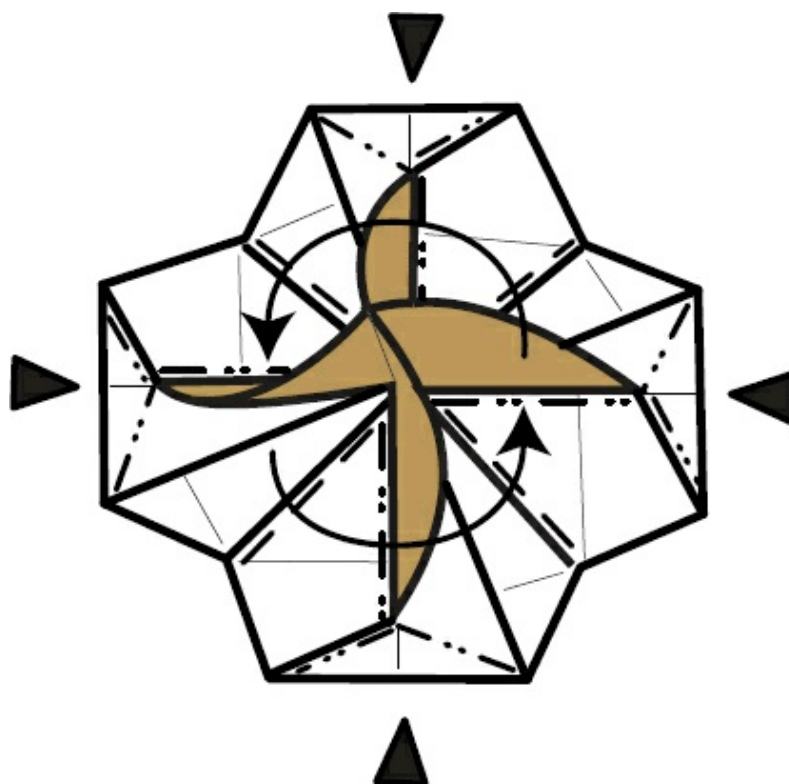
12 Fold the corner to the center, making a tight reverse fold on the left.



13 Repeat the last step on each corner.



14 Reinforce these creases on each point.

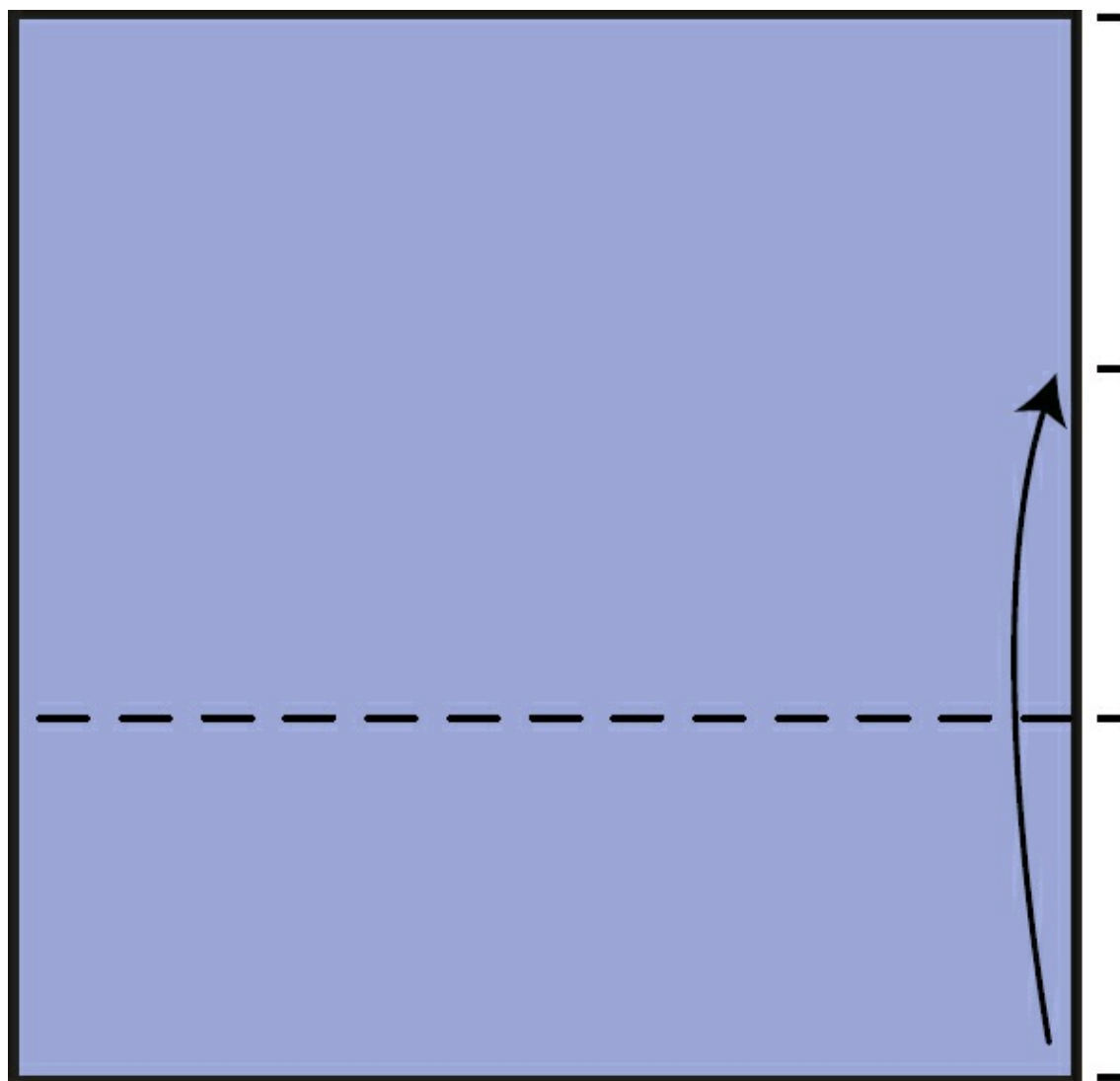


- 15 Twist the center even more, introducing the creases from the last step to shape the final model.

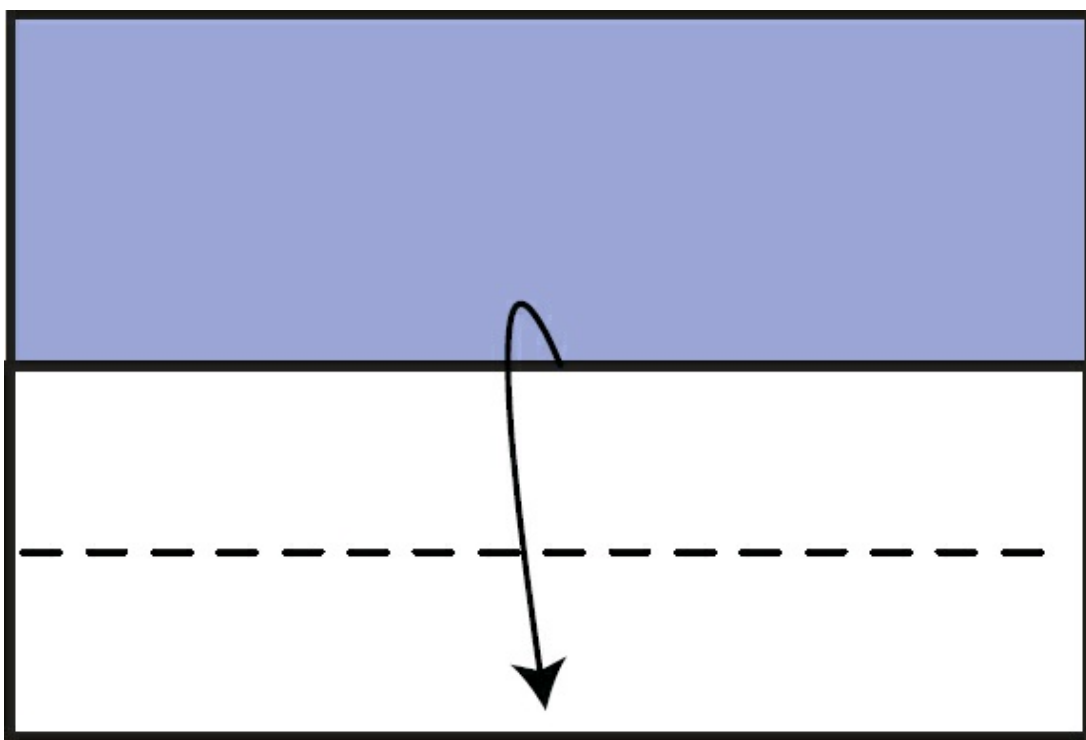
Shirt



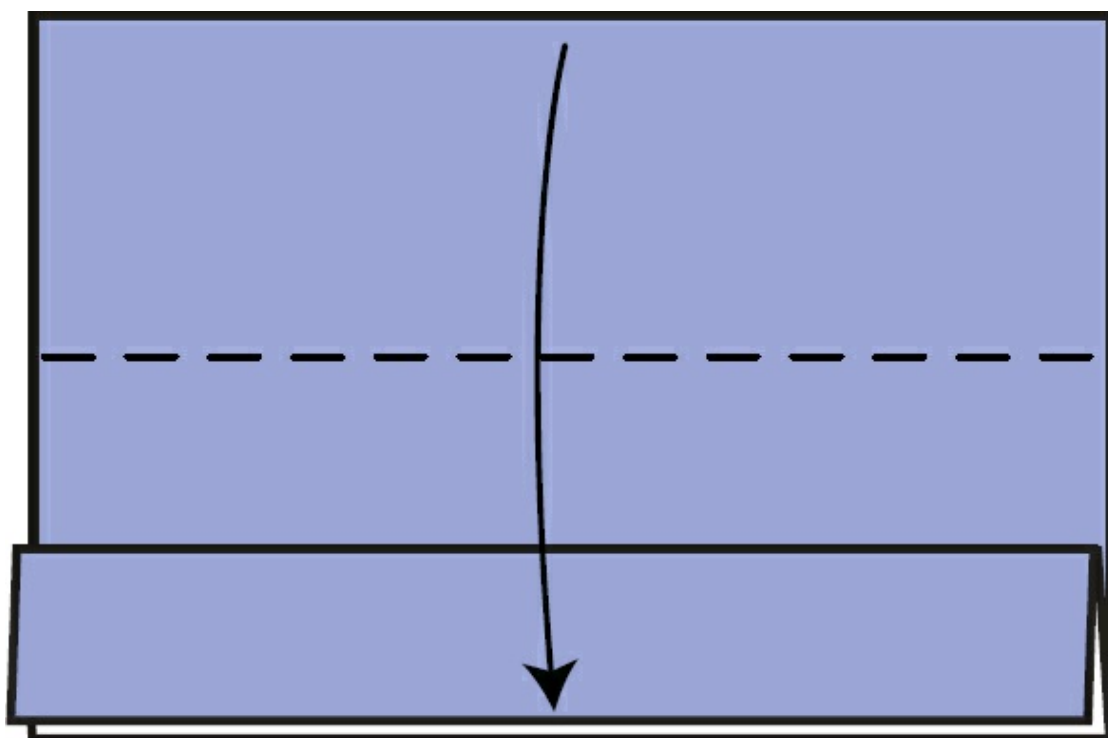
This shirt can be made from a paper napkin, or any other type of recycled paper.
Try altering the distance in step 7 to change the shape of the sleeves.



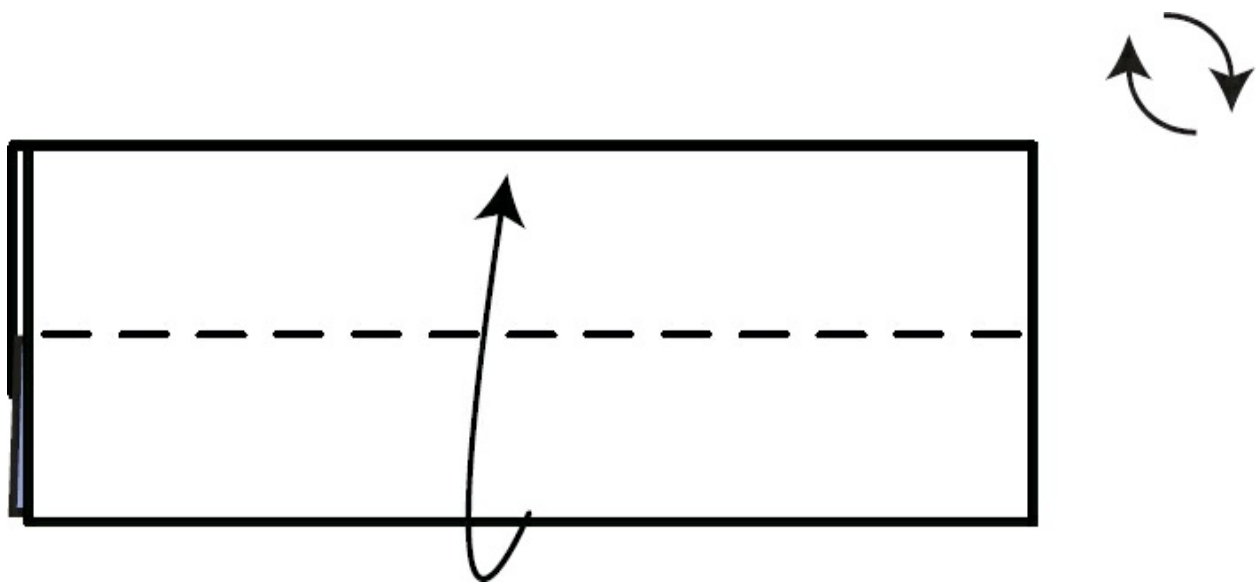
- 1 Fold roughly one third upwards.



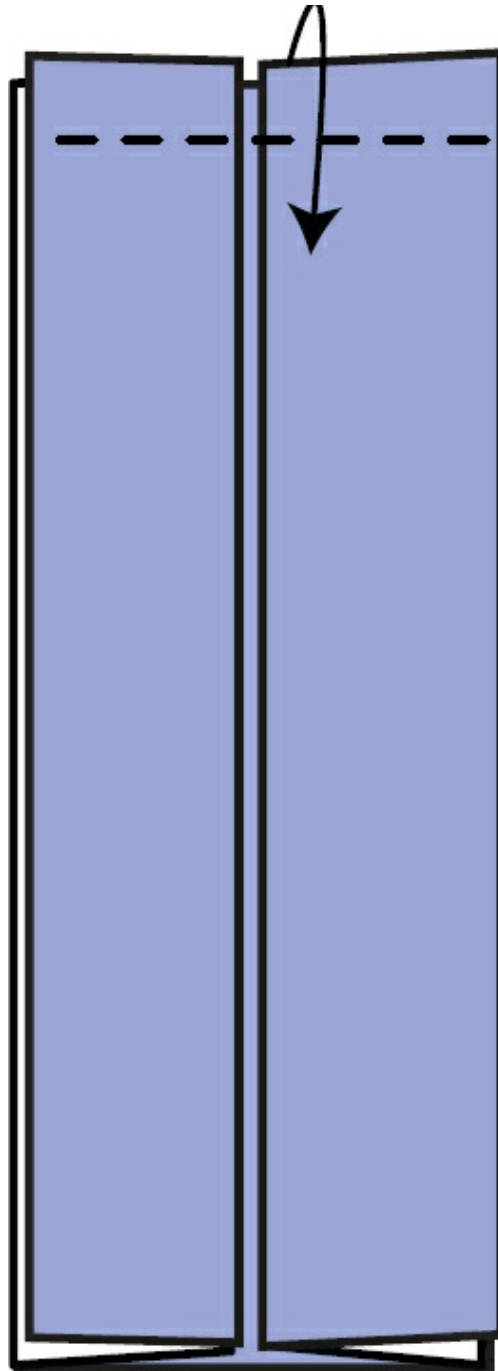
2 Fold the white flap in half downwards.



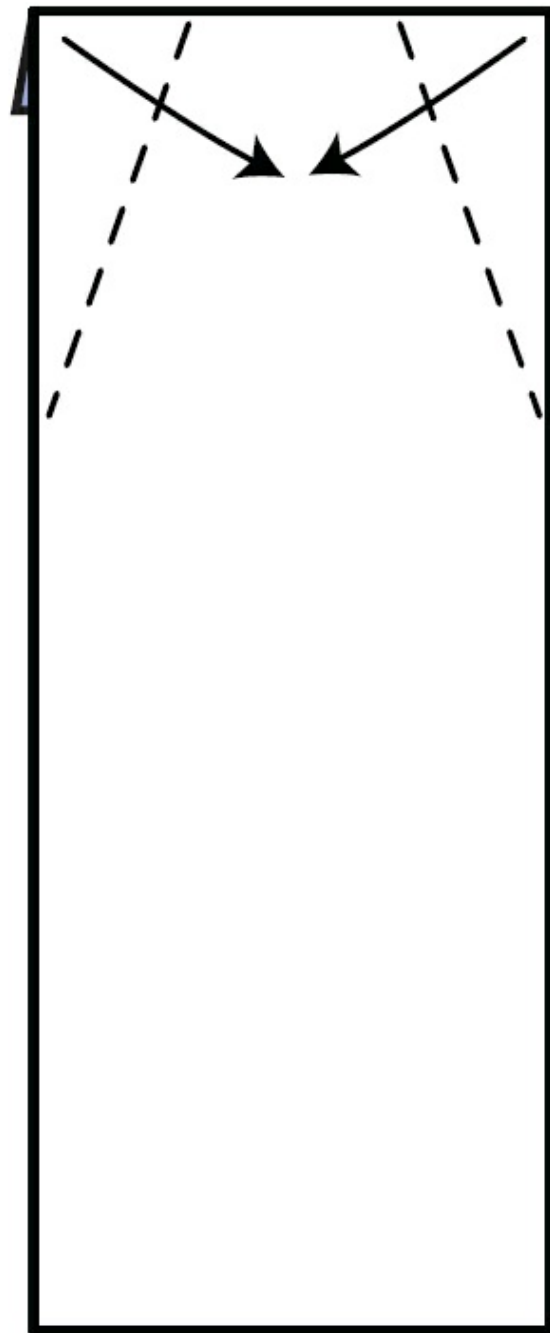
3 Fold the top edge to the bottom edge.



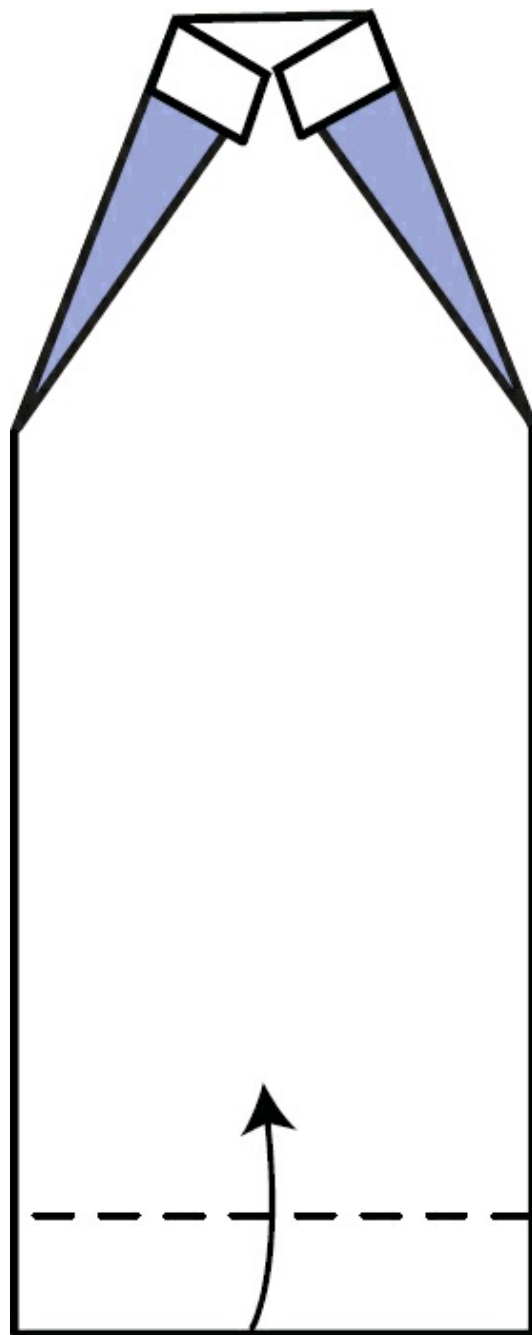
4 Fold a single layer in half upwards. Rotate the paper.



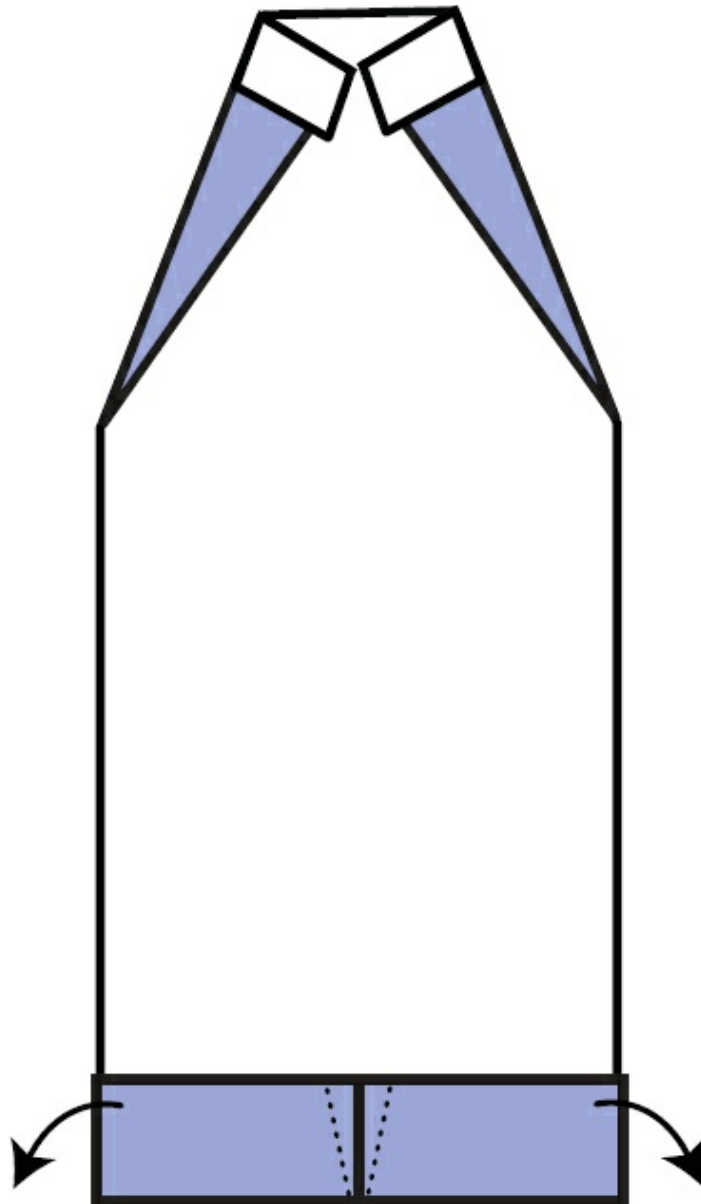
5 Fold a small flap downwards, then turn over.



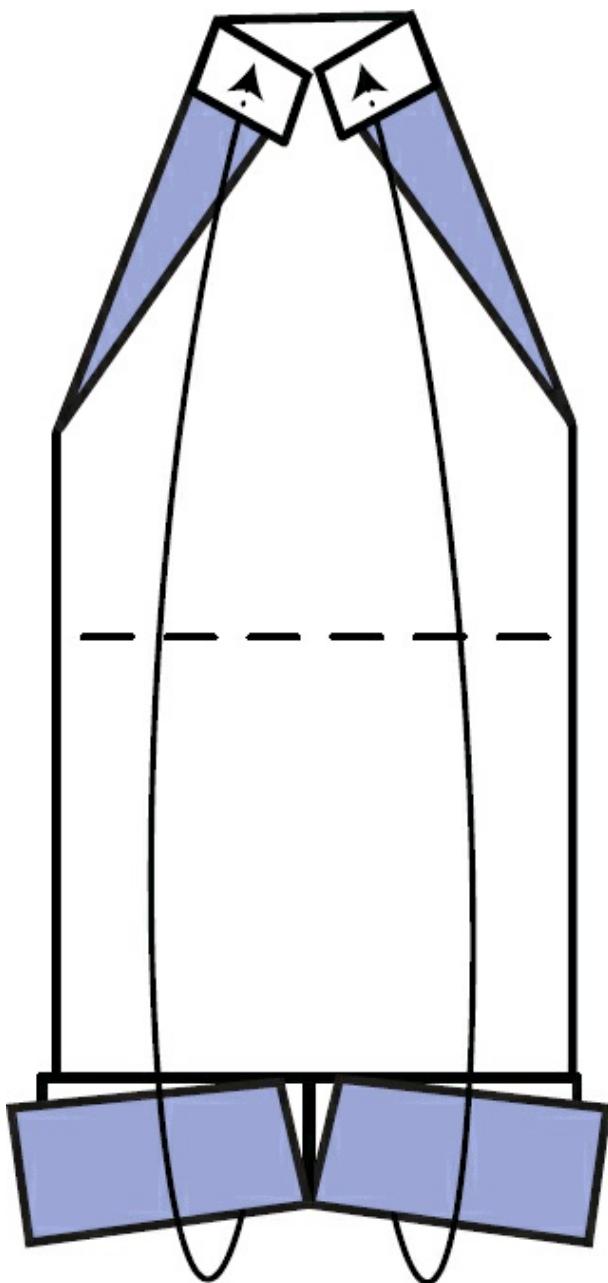
6 Fold two corners to meet in the center.



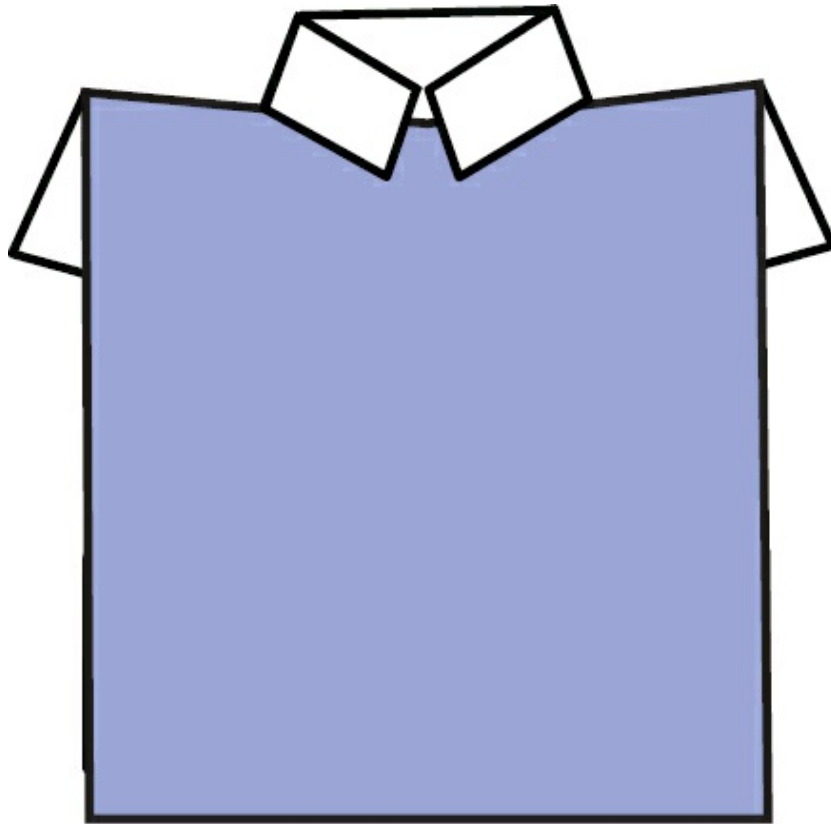
7 Fold a small flap upwards.



8 Pull the upper colored corners out at a slight angle.



9 Fold upwards and tuck under the collars.

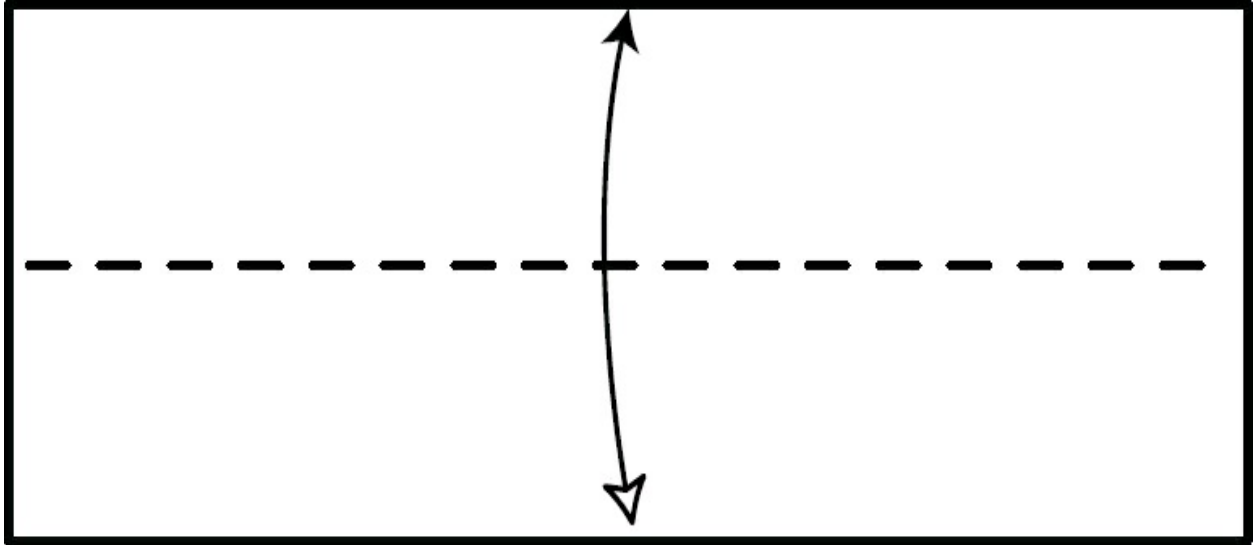


10 The result.

Dachshund



Start with a rectangle about 3 x 1. This could be a receipt from a supermarket, a ticket or perhaps a lotto ticket.



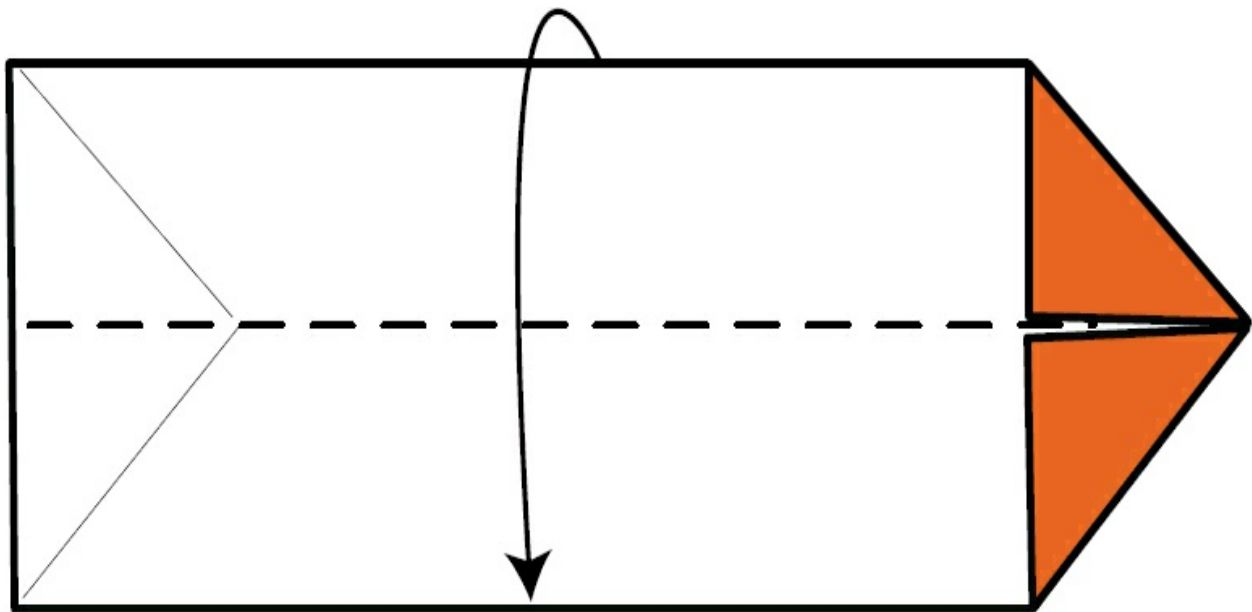
1 Fold in half, crease and unfold.



2 Fold both corners on the right to the center crease.



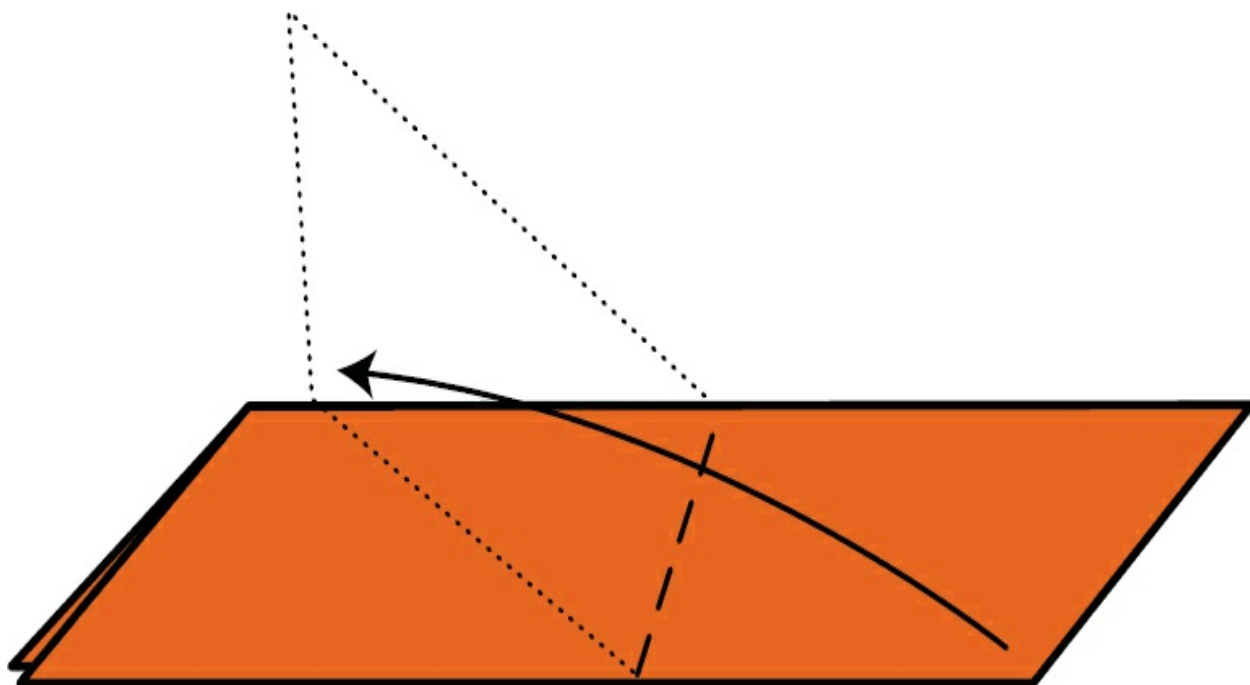
3 Make these creases, then unfold them.



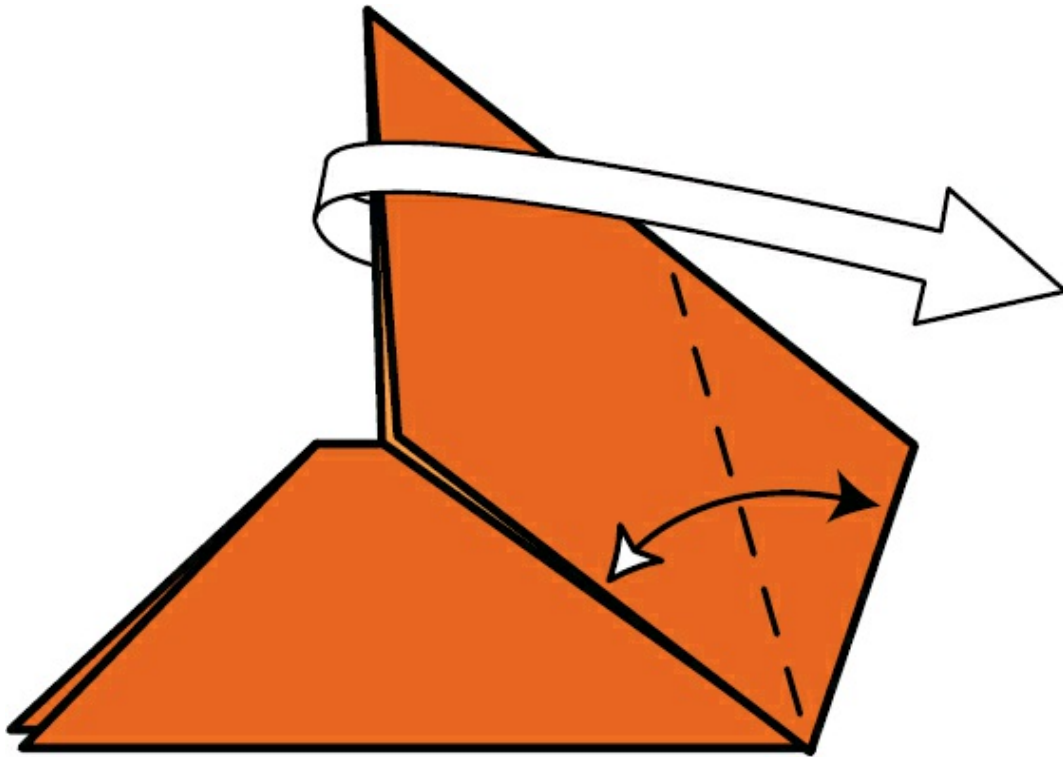
4 Refold in half downwards.



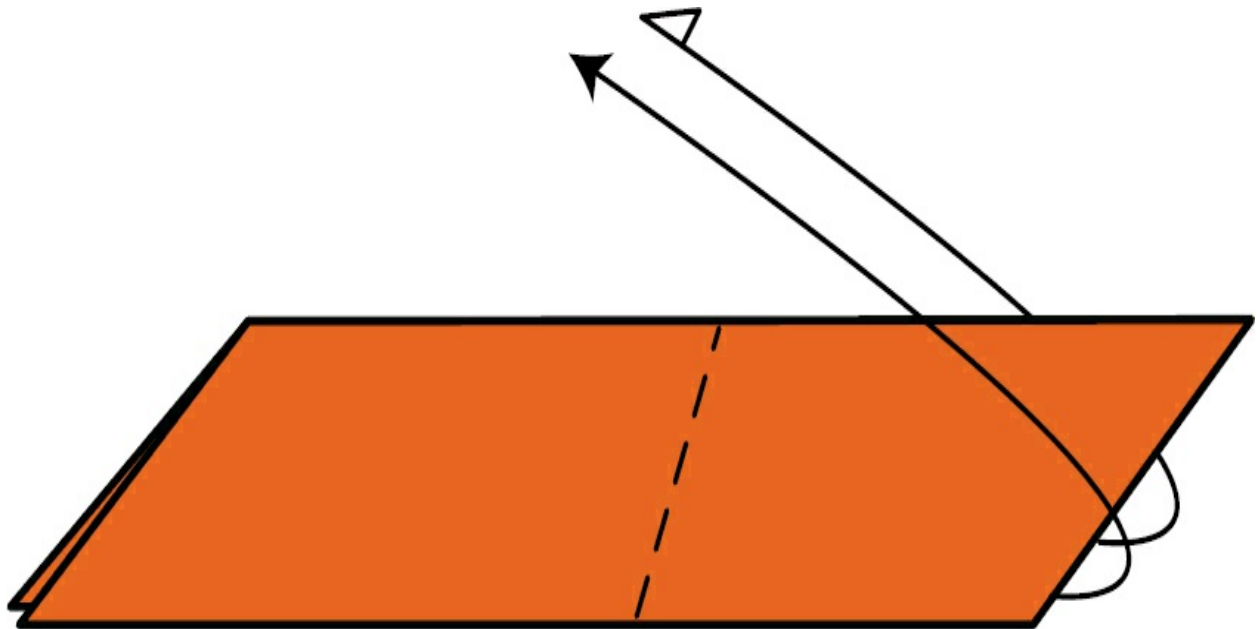
5 Reverse the corner inside.



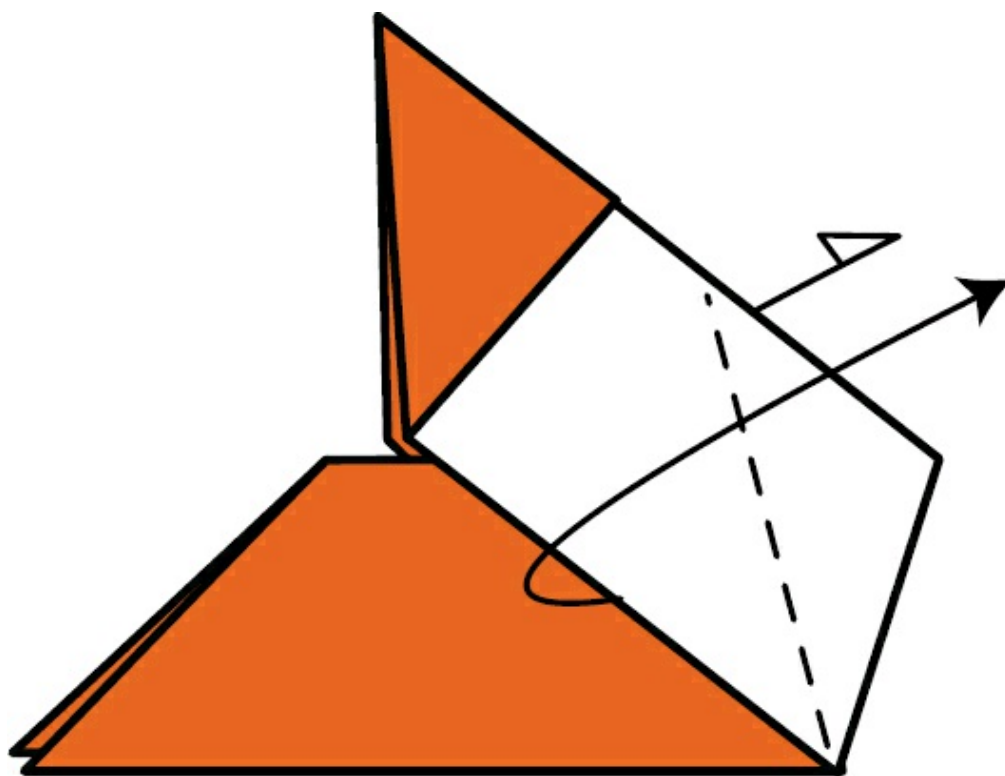
6 Fold to the dotted line, crease and unfold.



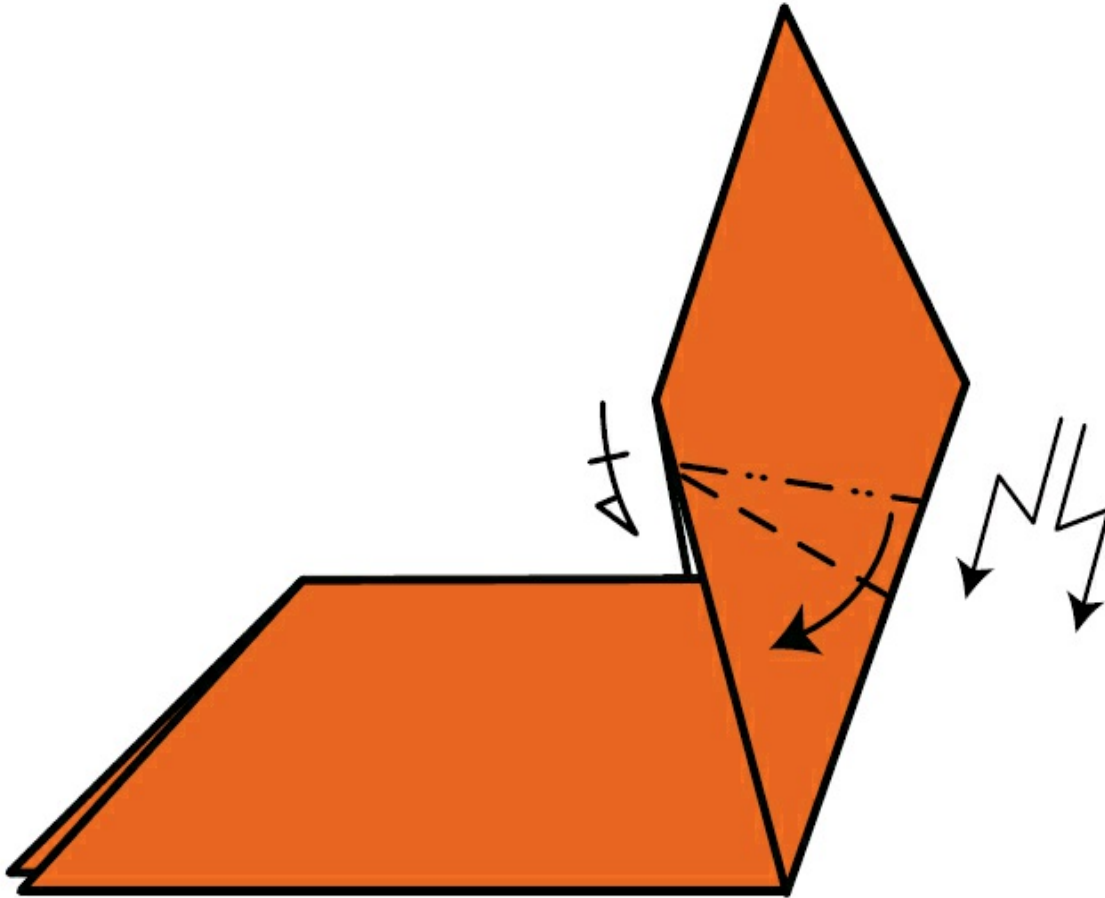
7 Fold the white section in half, then unfold the flap.



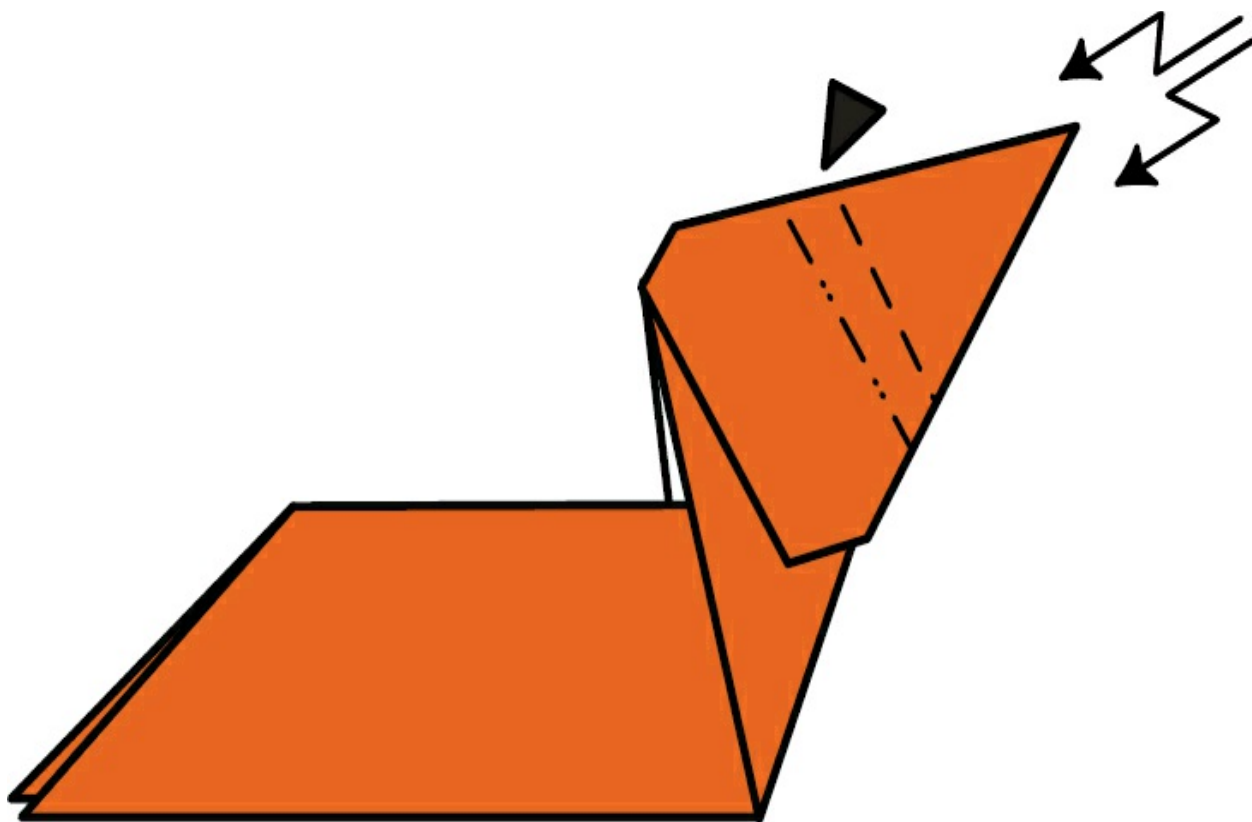
8 Make an outside reverse fold on the existing crease.



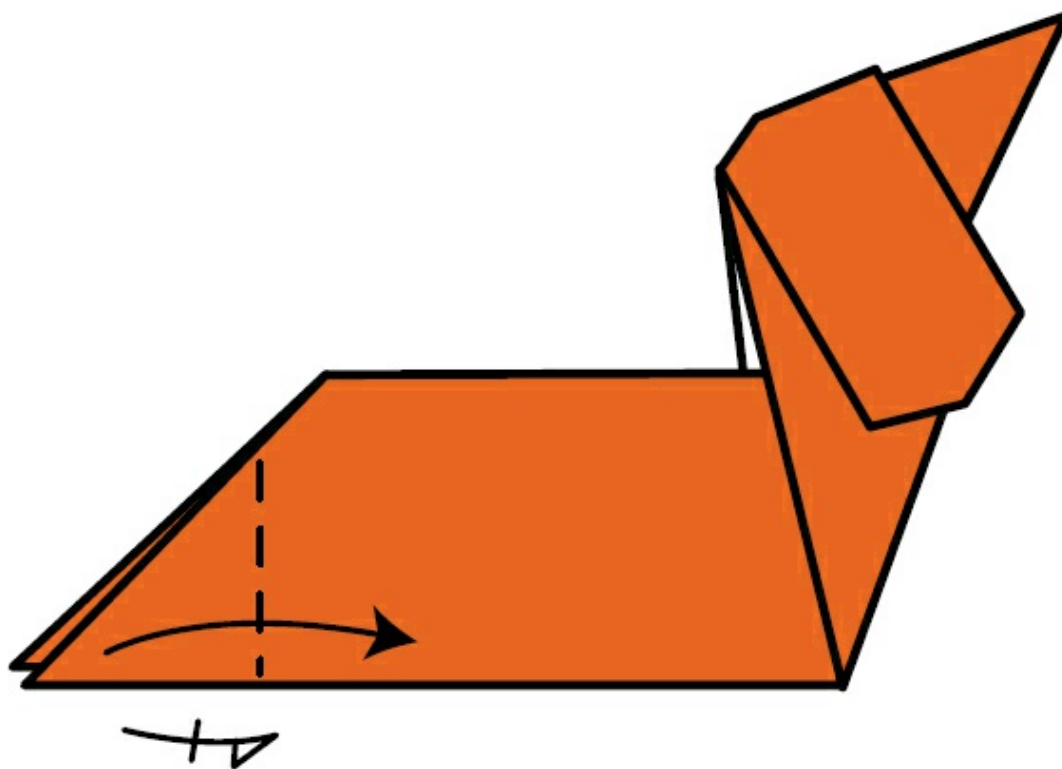
9 Make another outside reverse fold.



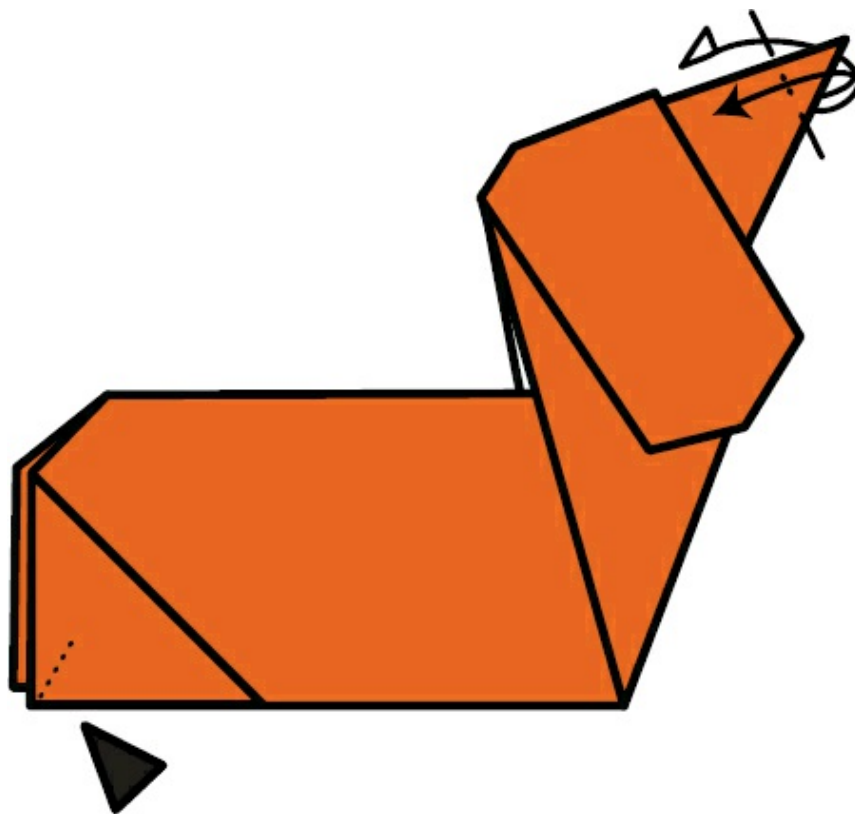
10 Pre-crease, then crimp the head downwards. Experiment!



11 Pre-crease then form the nose with a double reverse fold. Experiment!



12 Fold the rear flaps forwards to form the back legs.

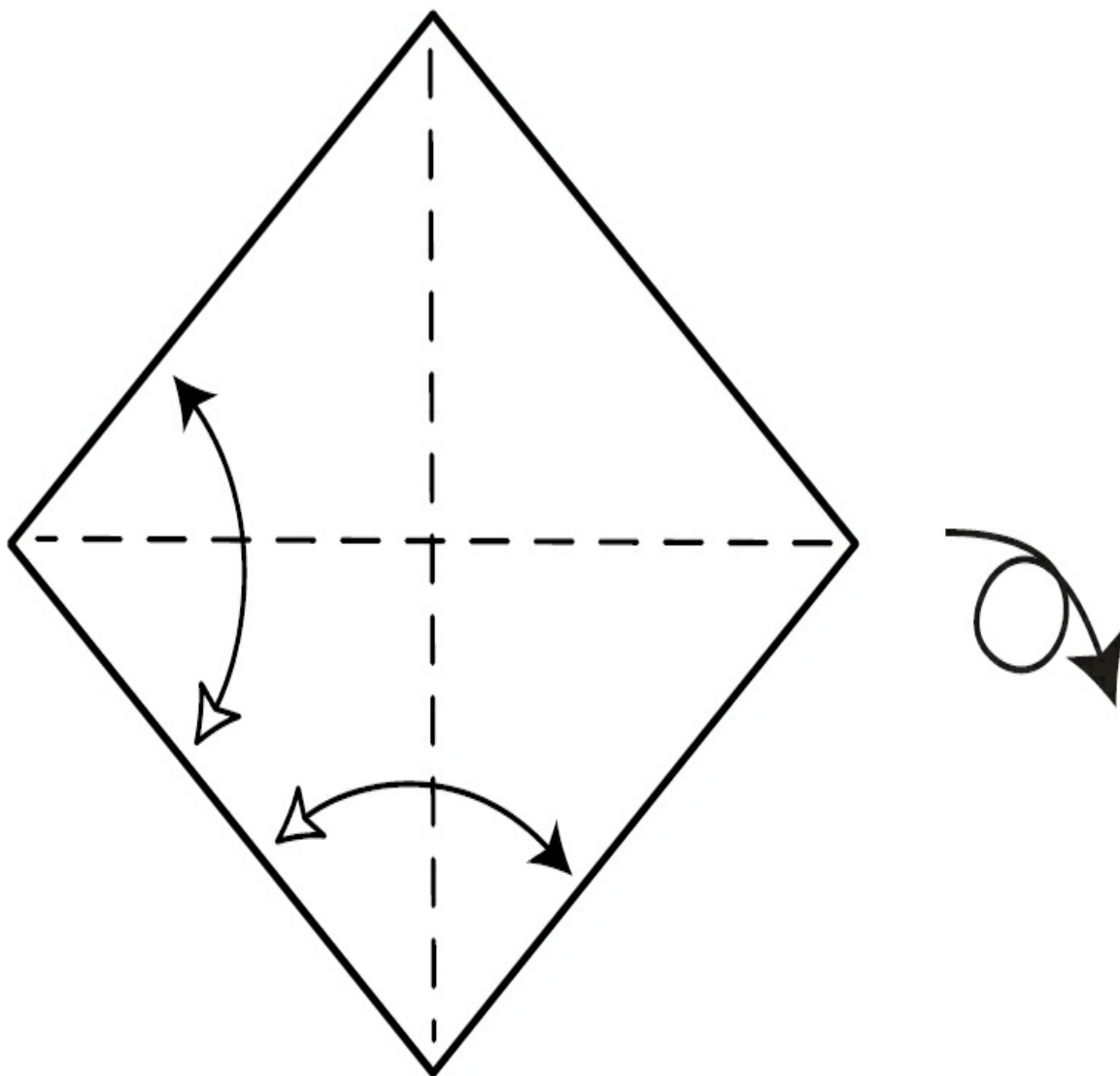


13 Outside reverse the nose. Push out a small flap to form the tail.

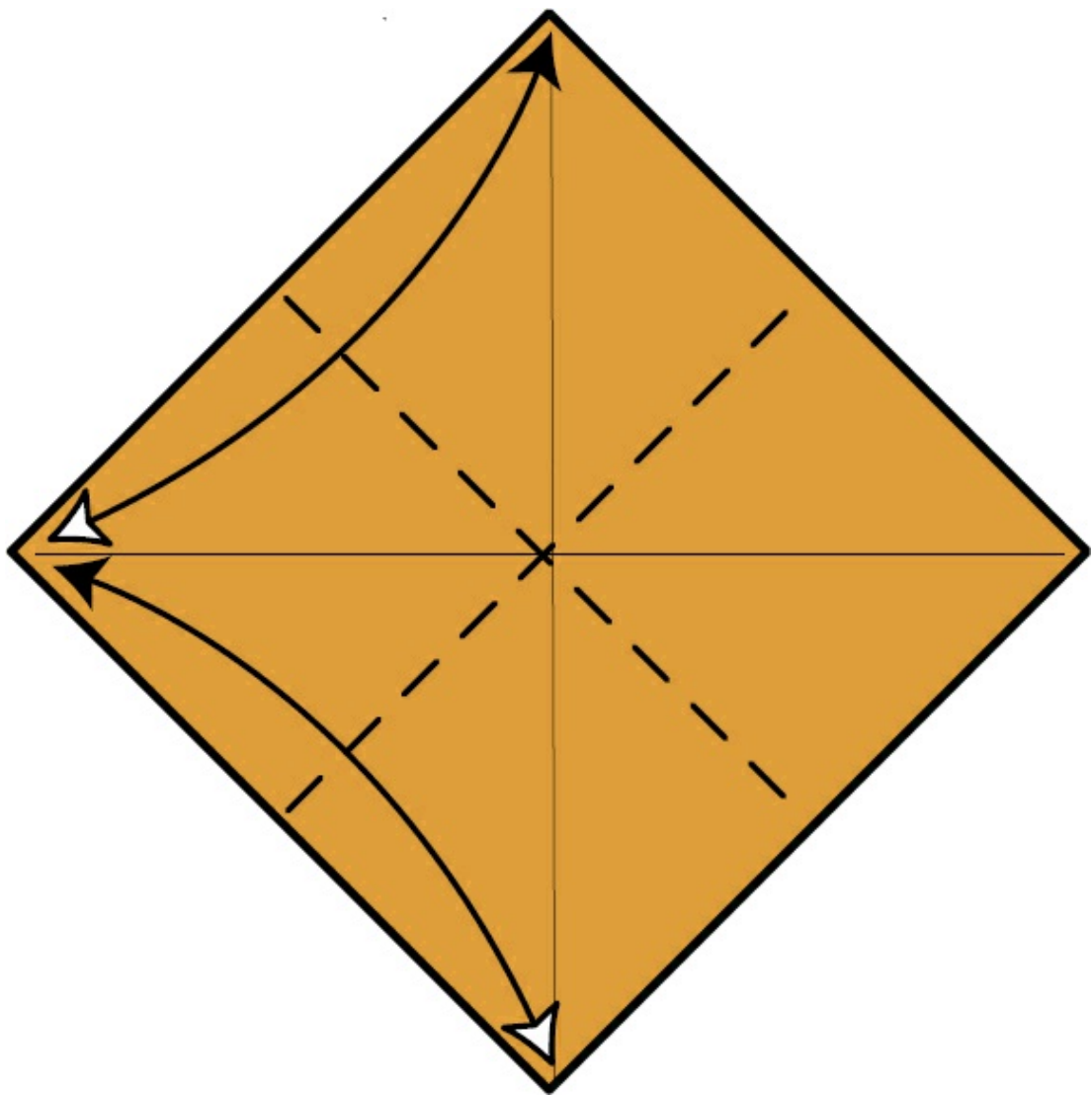
Dog



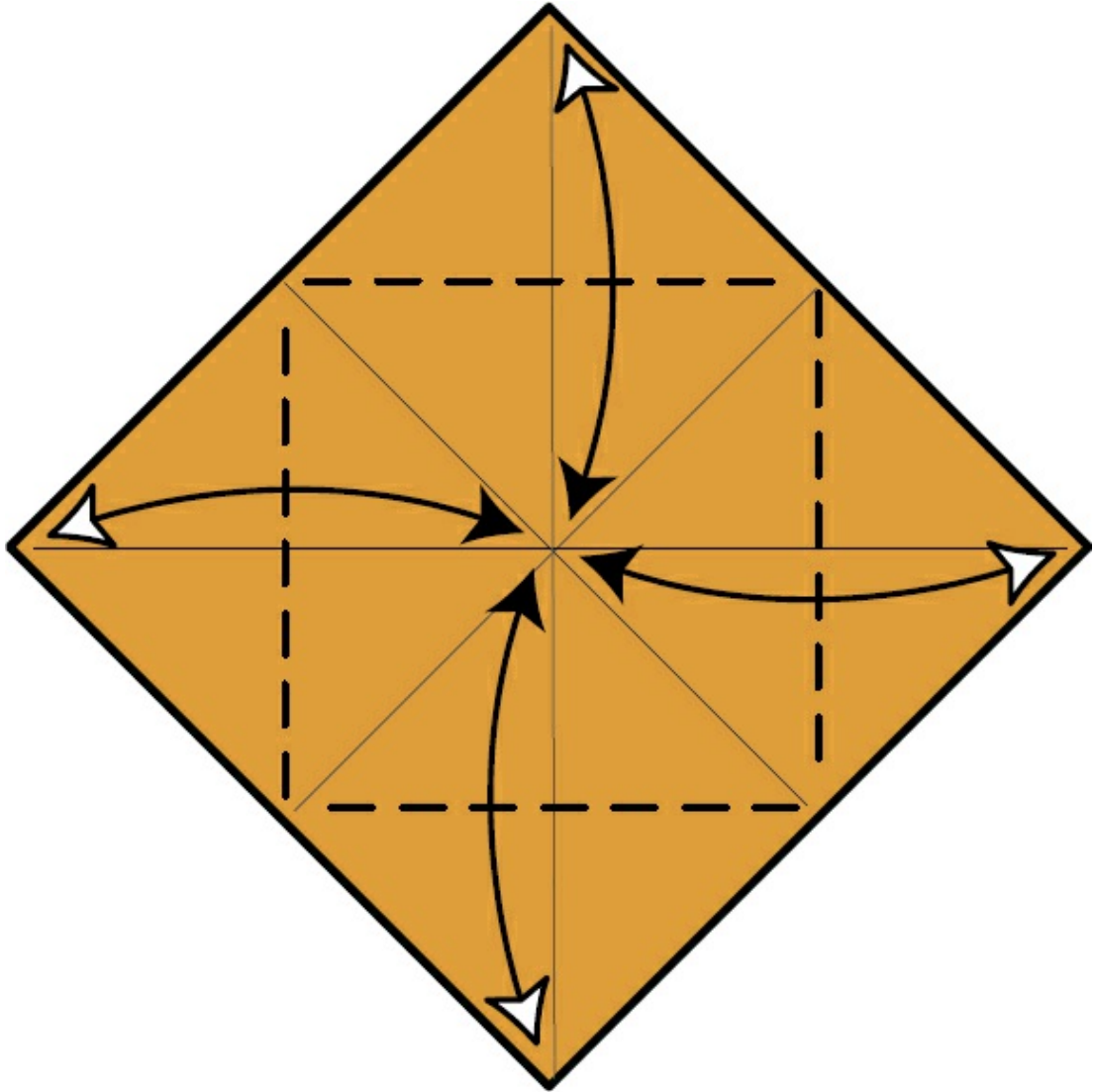
You can use almost any square of paper to fold this cute little dog. Pay attention to the folding sequence, it's a little more challenging.



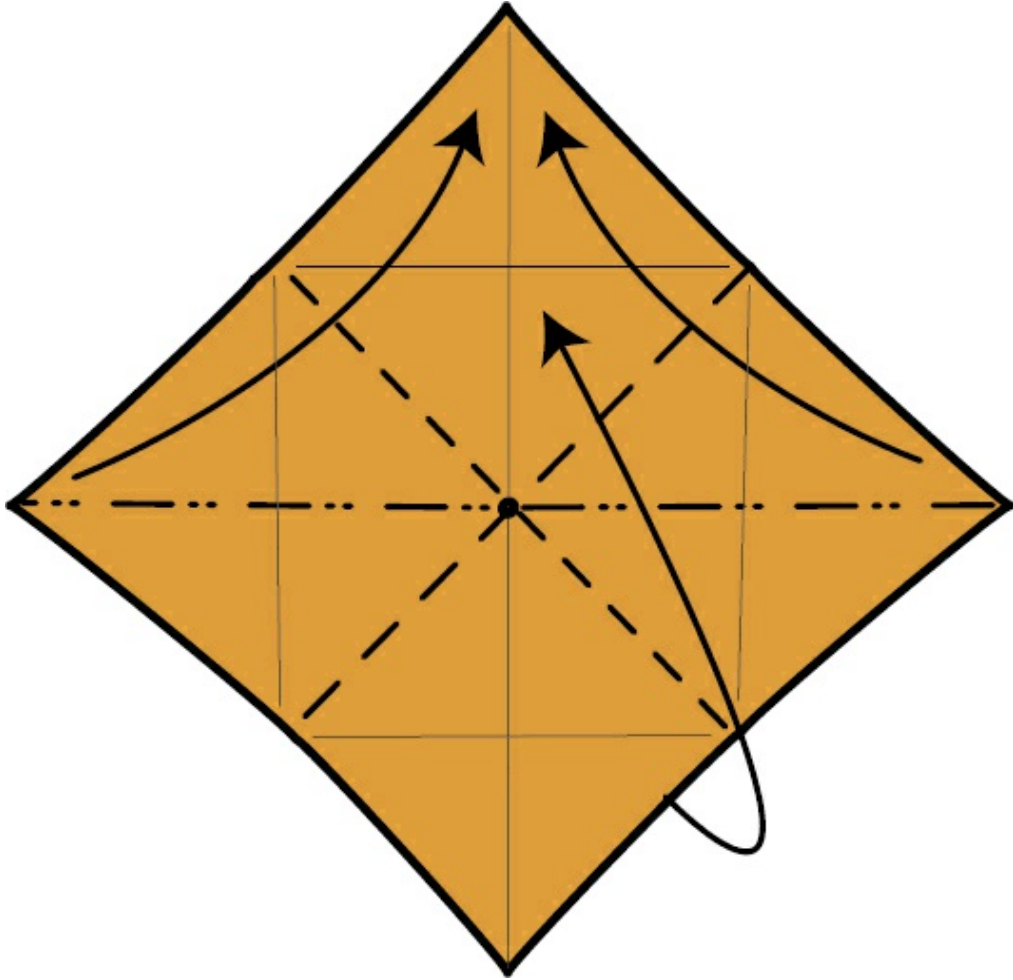
- 1 Fold in half from corner to corner, crease and unfold, in both directions. Turn the paper over.



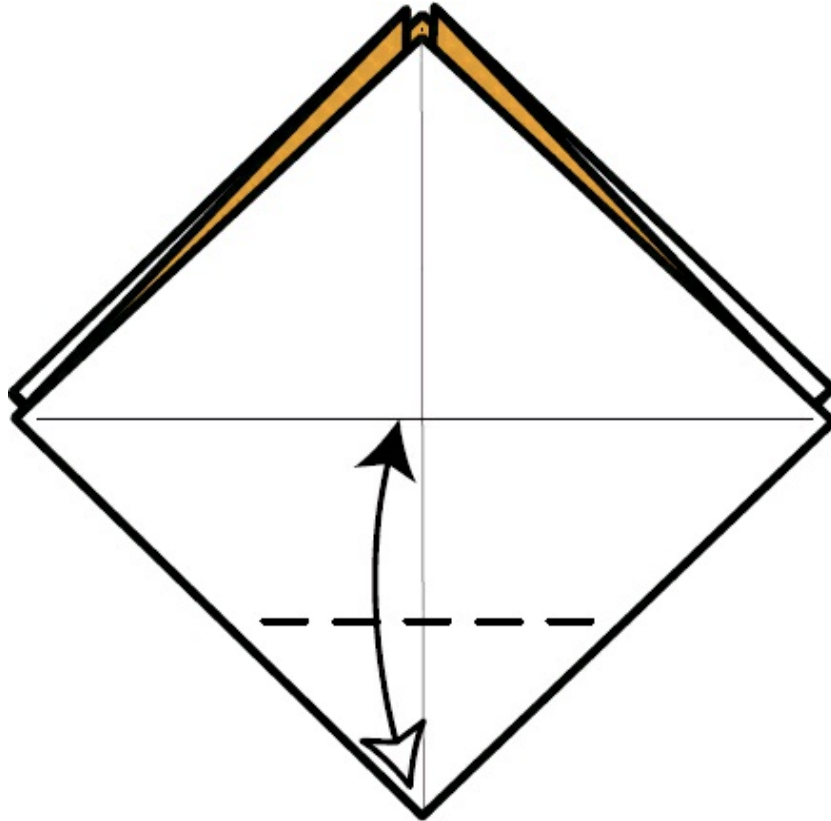
2 Fold in half from side to side, crease and unfold, in both directions.



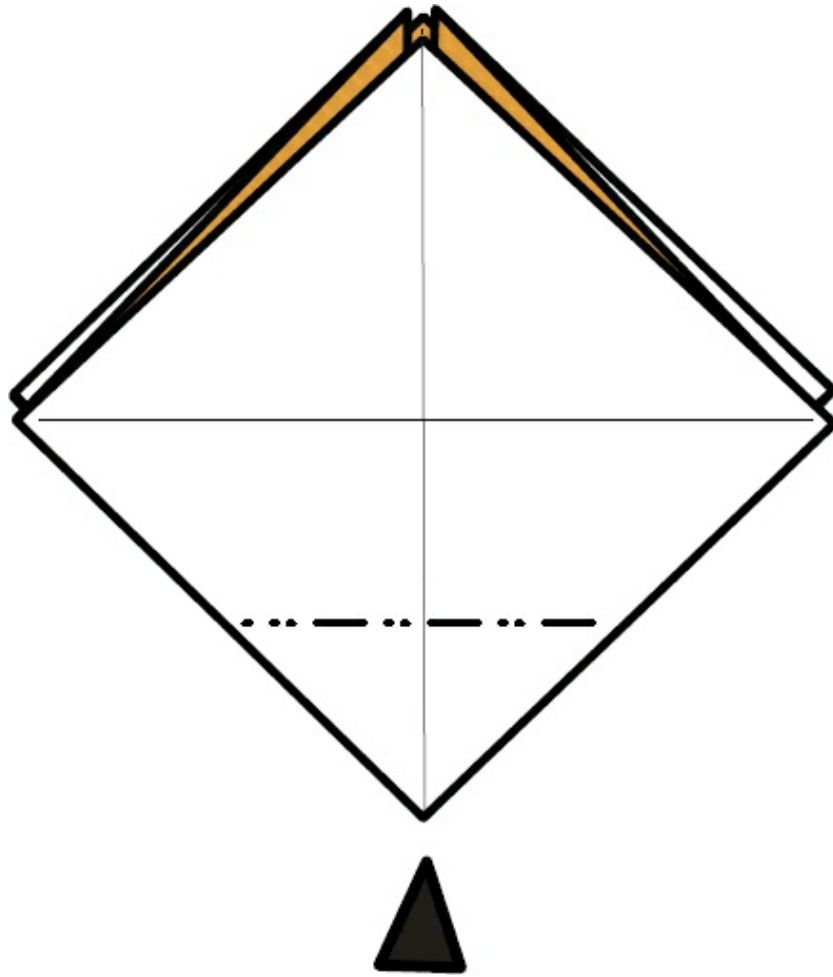
3 Fold each corner to the center, crease and unfold.



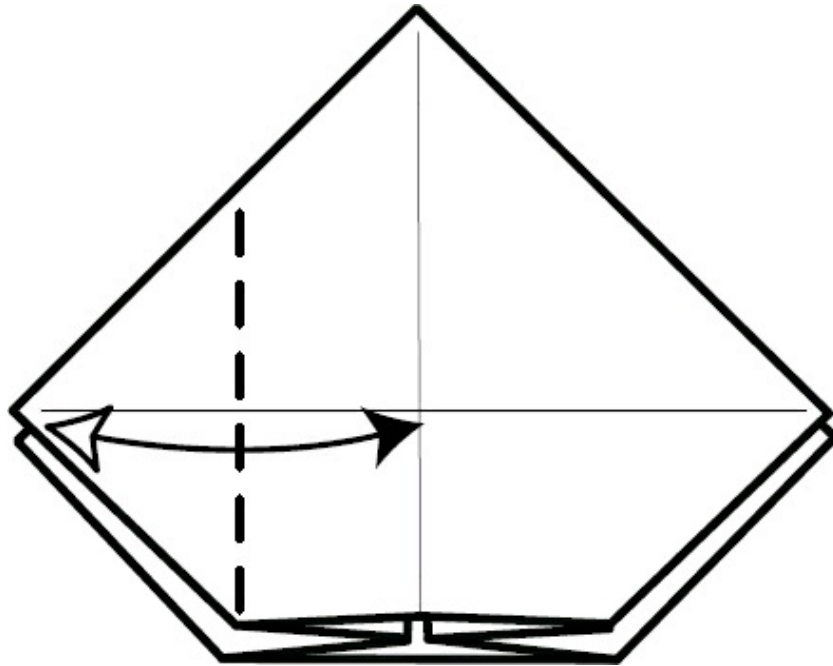
4 Collapse the paper upwards using these creases.



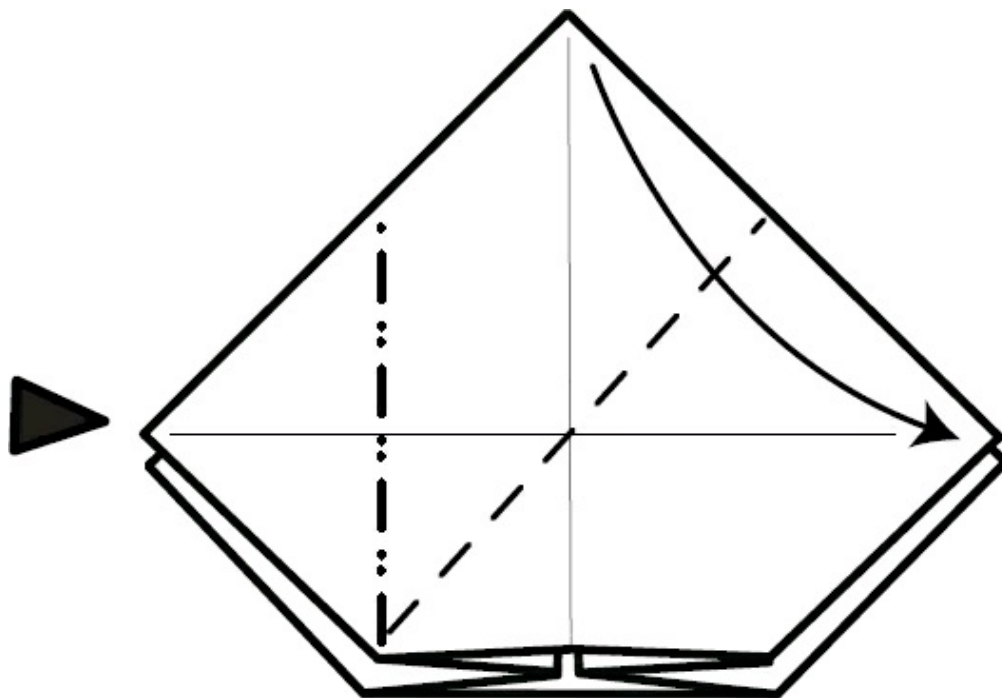
5 Fold the lower corner to the center, crease and unfold.



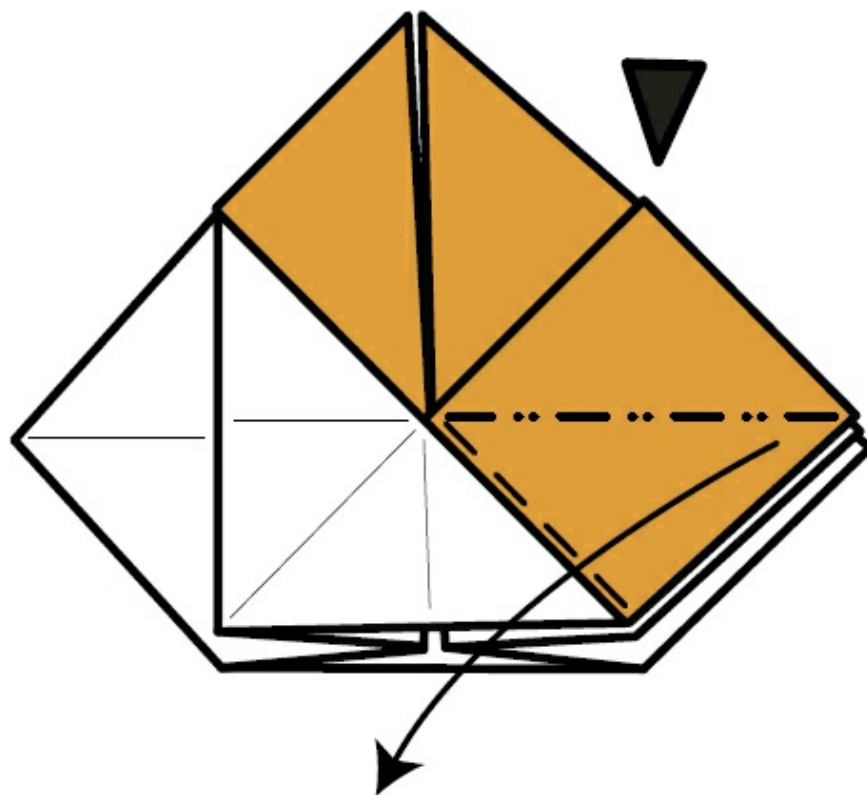
6 Sink the corner inside.



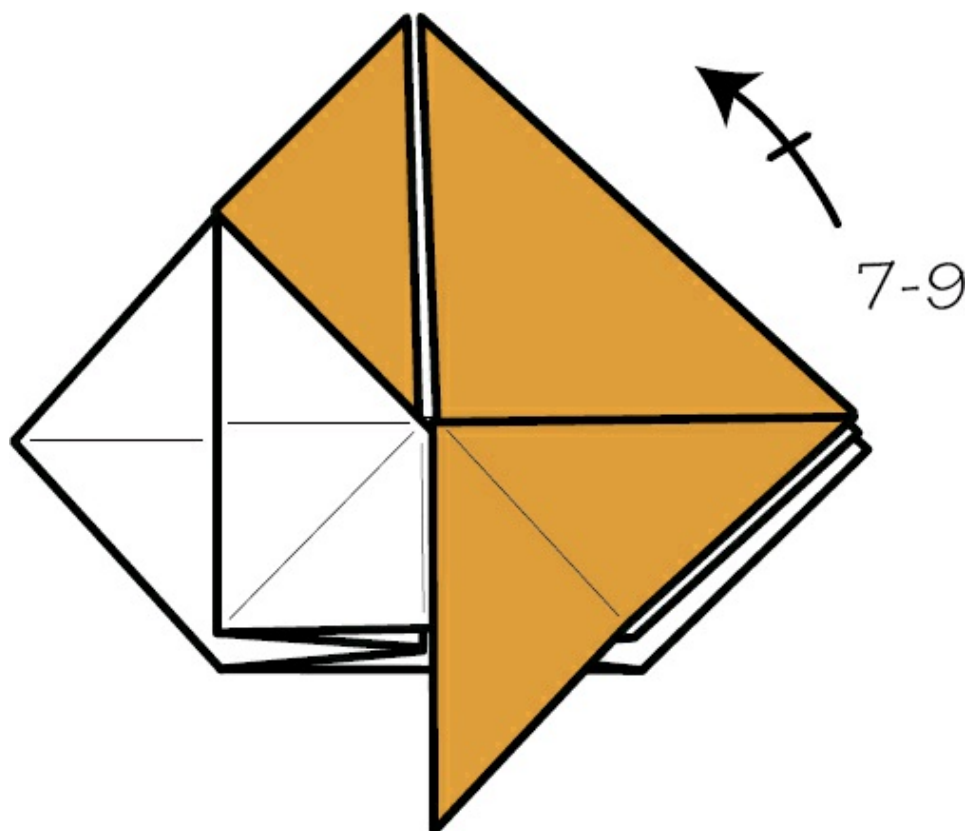
7 Fold the upper corner on the left to the center, crease and unfold.



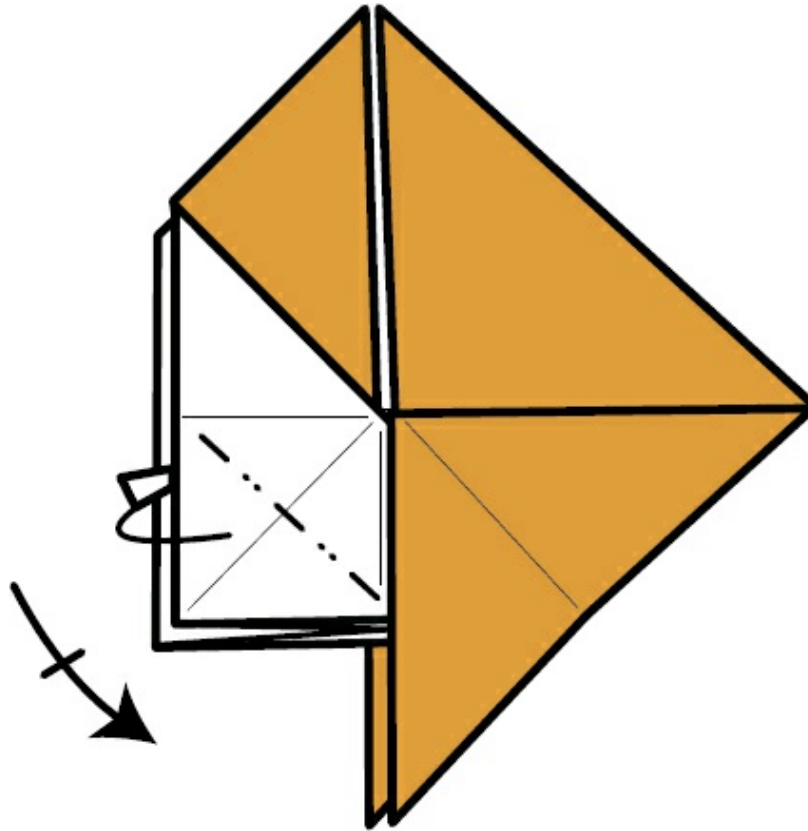
8 Fold the top corner to the right corner, squashing the left corner into a triangle.



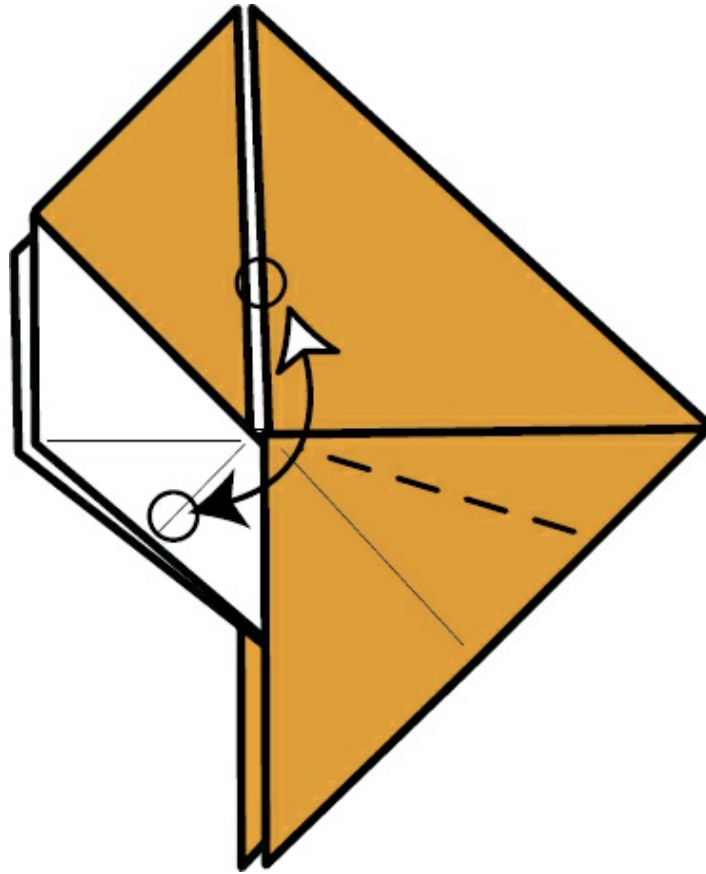
9 Squash down the colored corner as well.



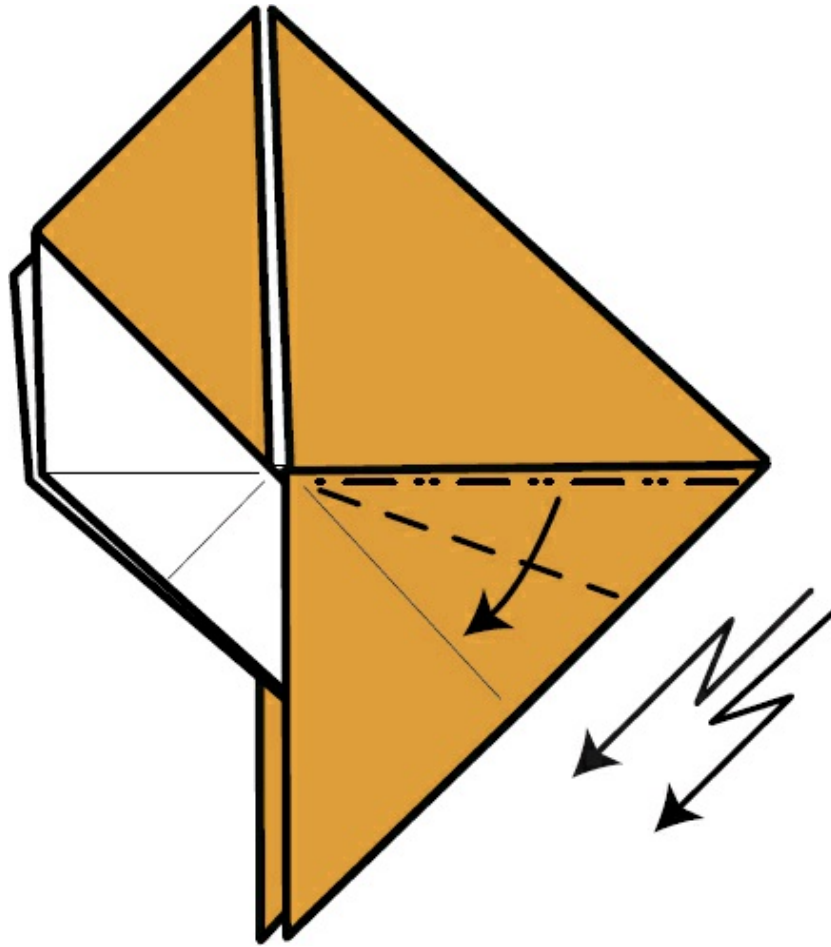
10 This is the result. Repeat steps 7-9 on the other side.



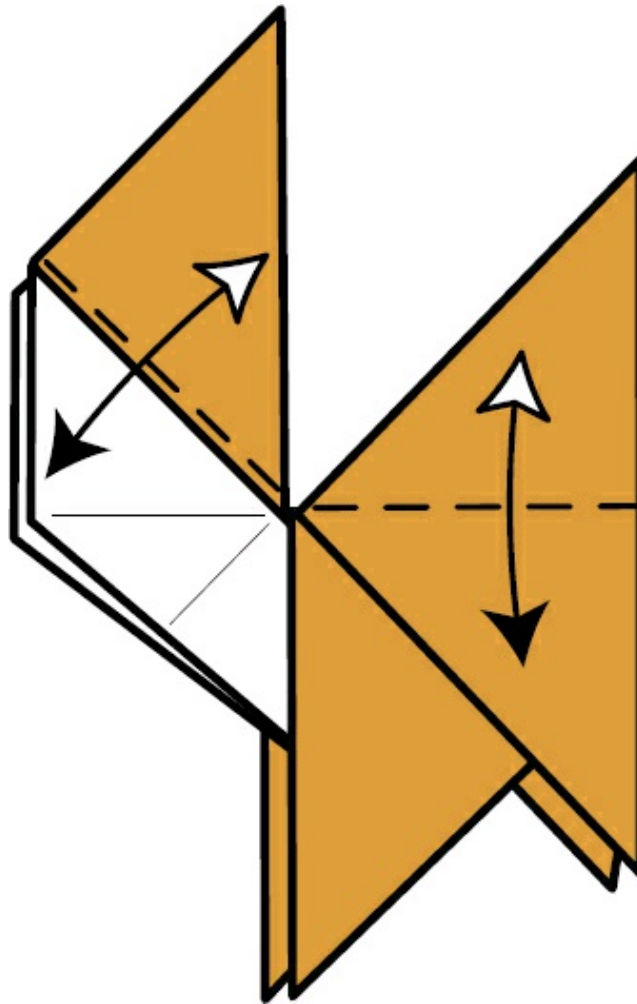
11 Fold a white corner inside, repeat underneath.



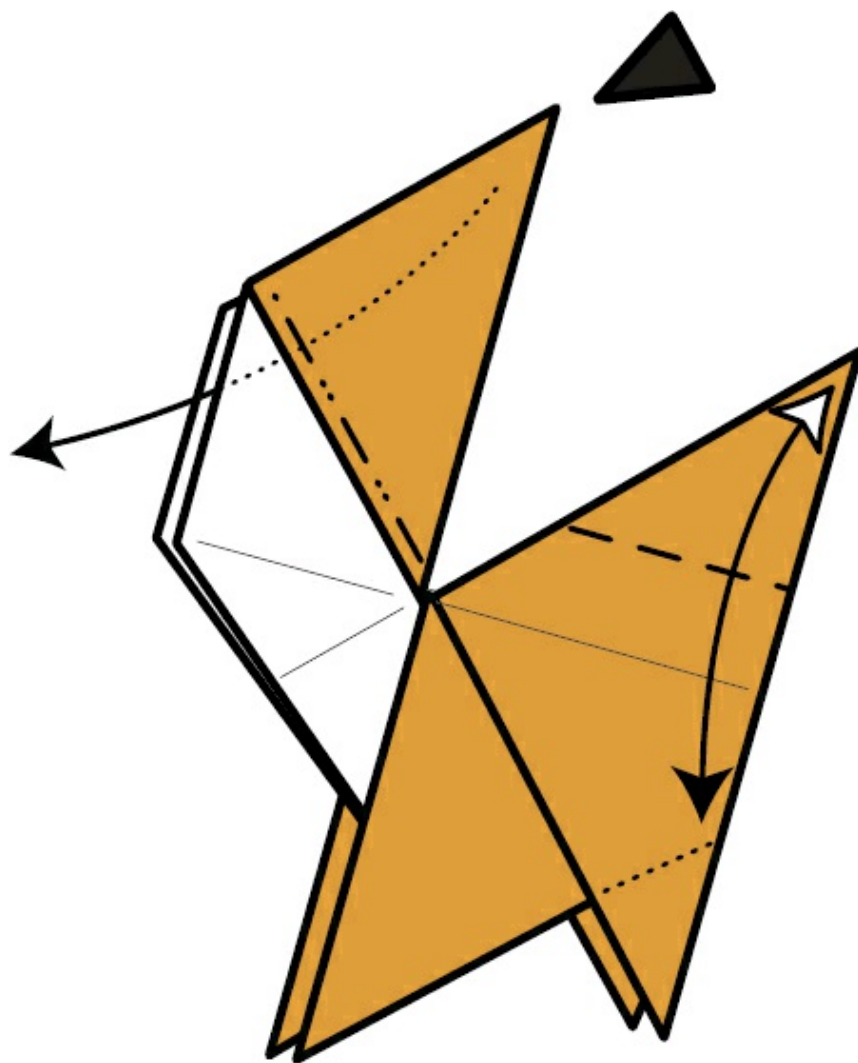
12 Fold so the circled points meet, creasing through all layers, then unfolding.



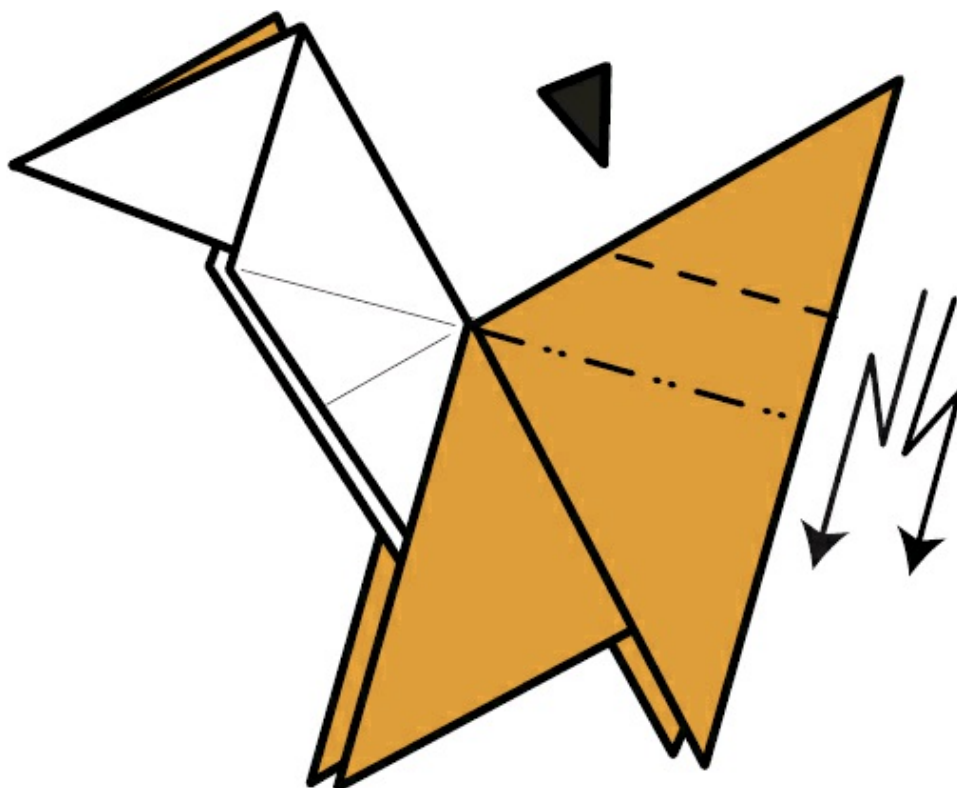
13 Make an outside crimp, repeating these folds on both sides at the same time.



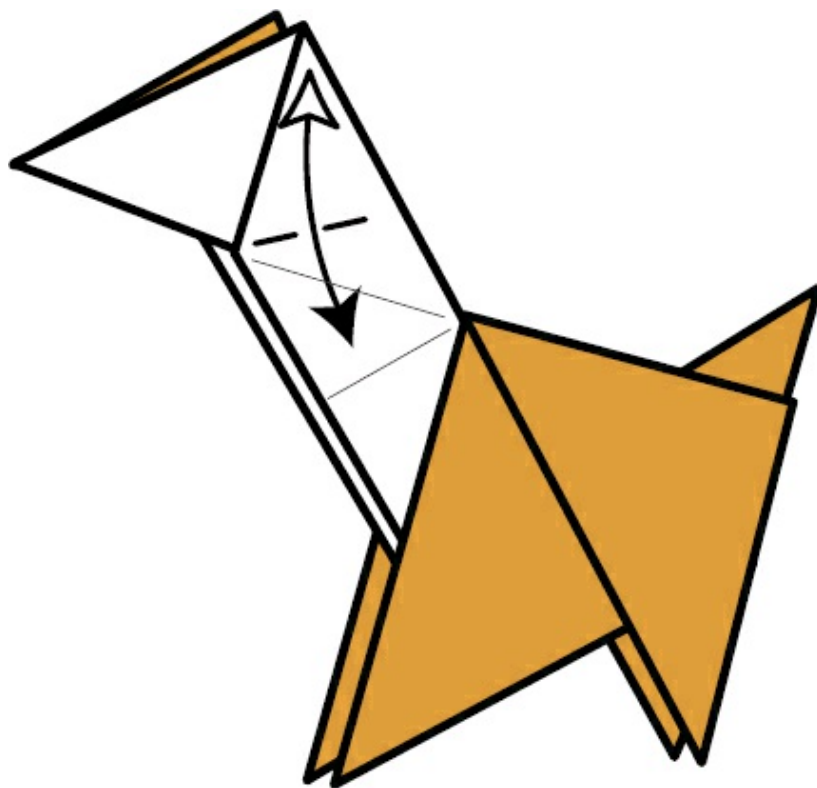
14 Make and unfold two pre-creases.



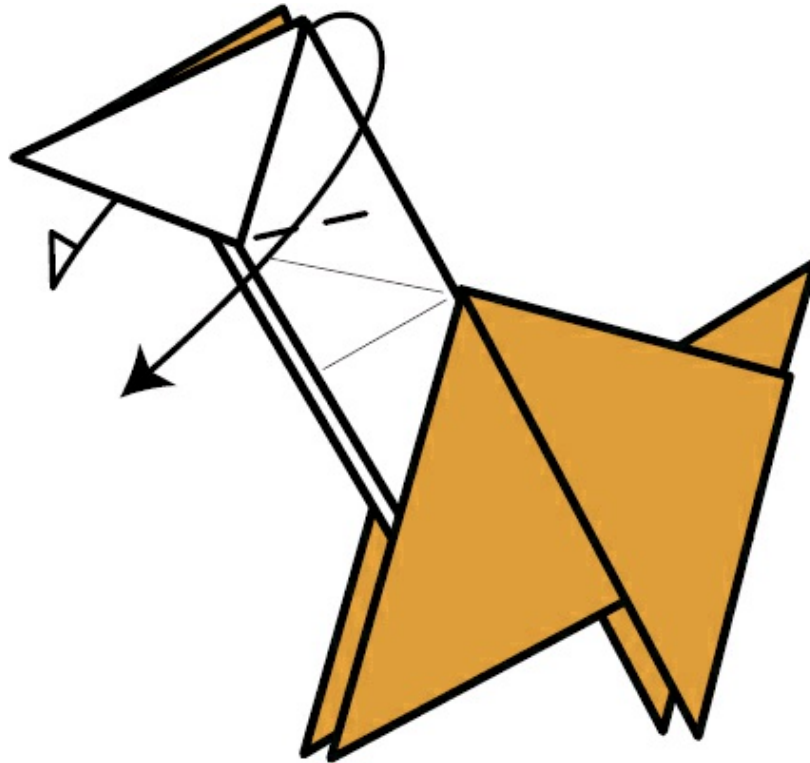
15 Reverse the upper corner inside. Fold the tail to touch the (hidden) edge, then



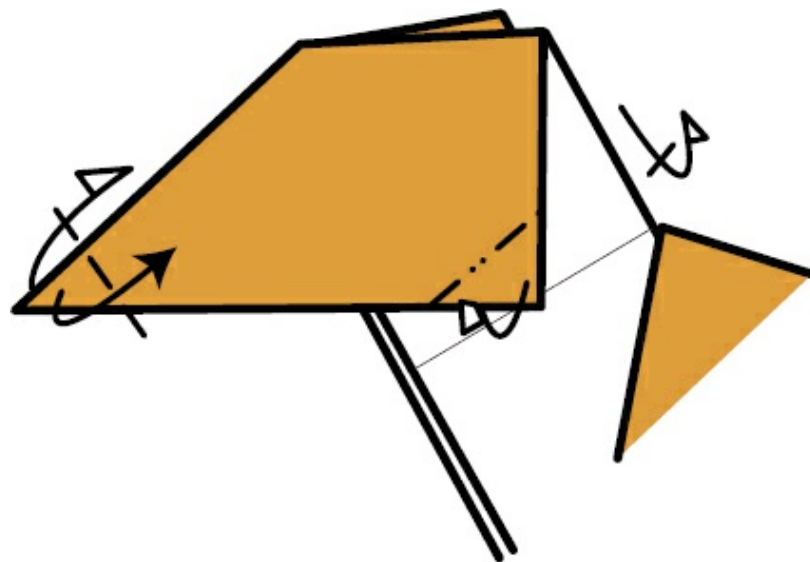
16 Reverse the tail inside, then back out.



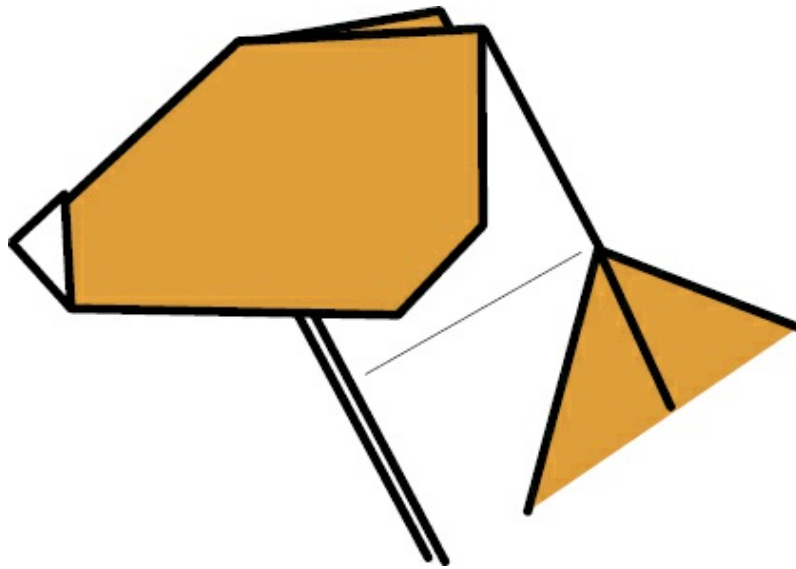
17 Make a pre-crease.



18 Carefully outside reverse the head.



19 Outside reverse the nose, then shape the head on both sides.

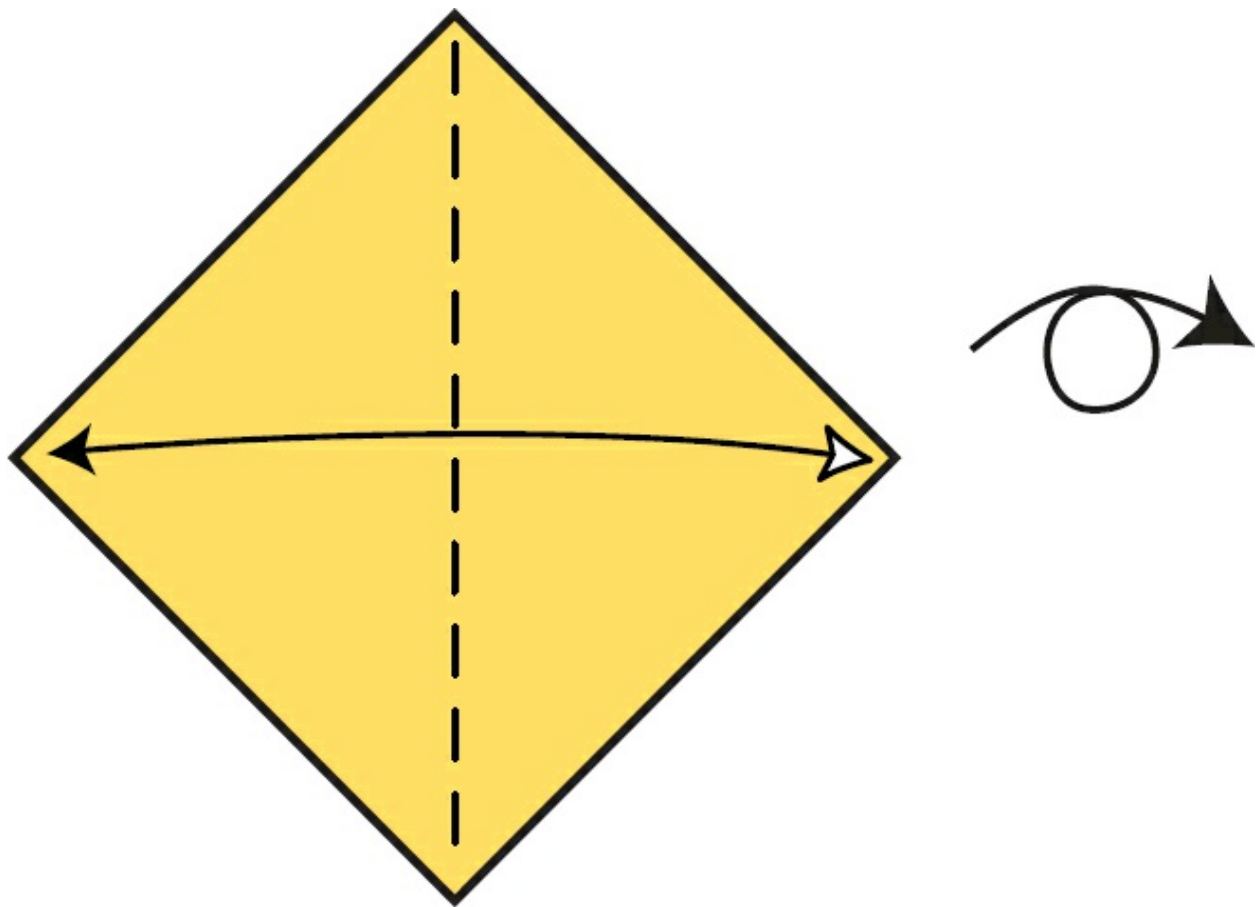


20 The results.

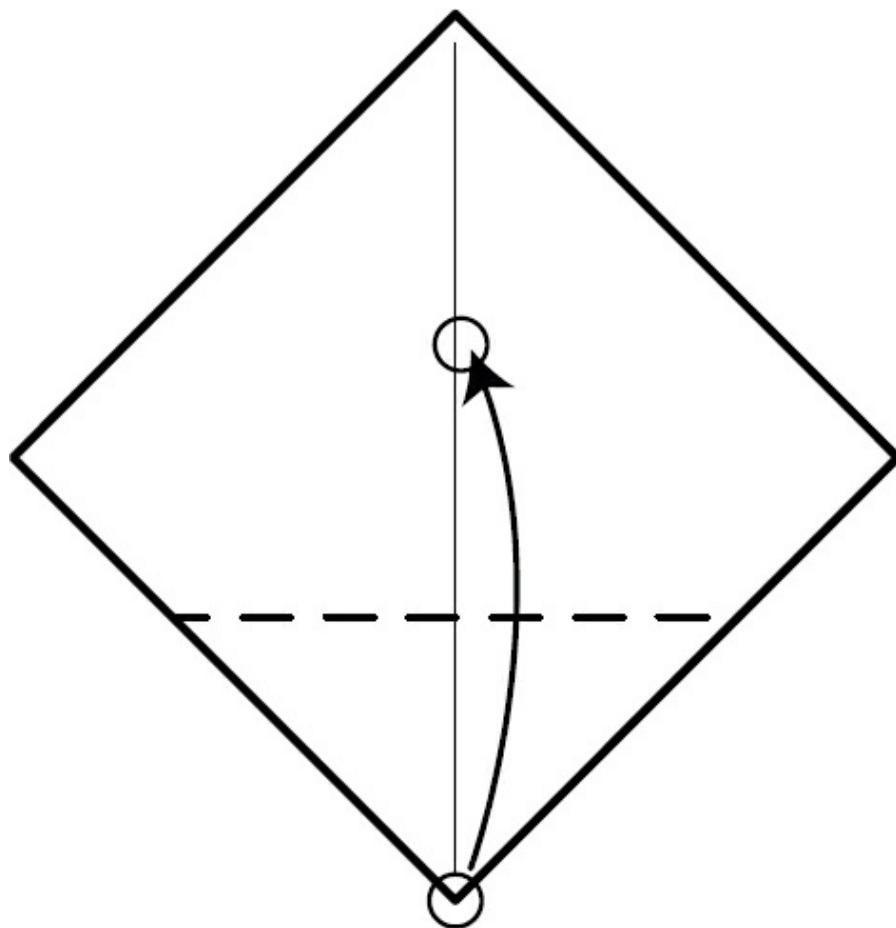
Yacht



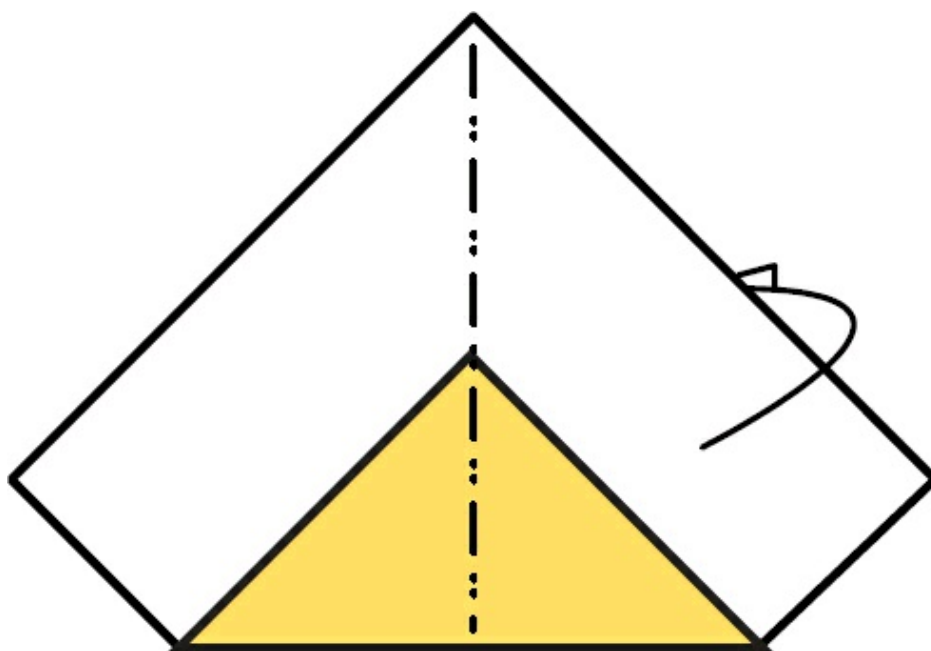
Test your folding skills by making this yacht from brightly-colored tea bag wrappers!



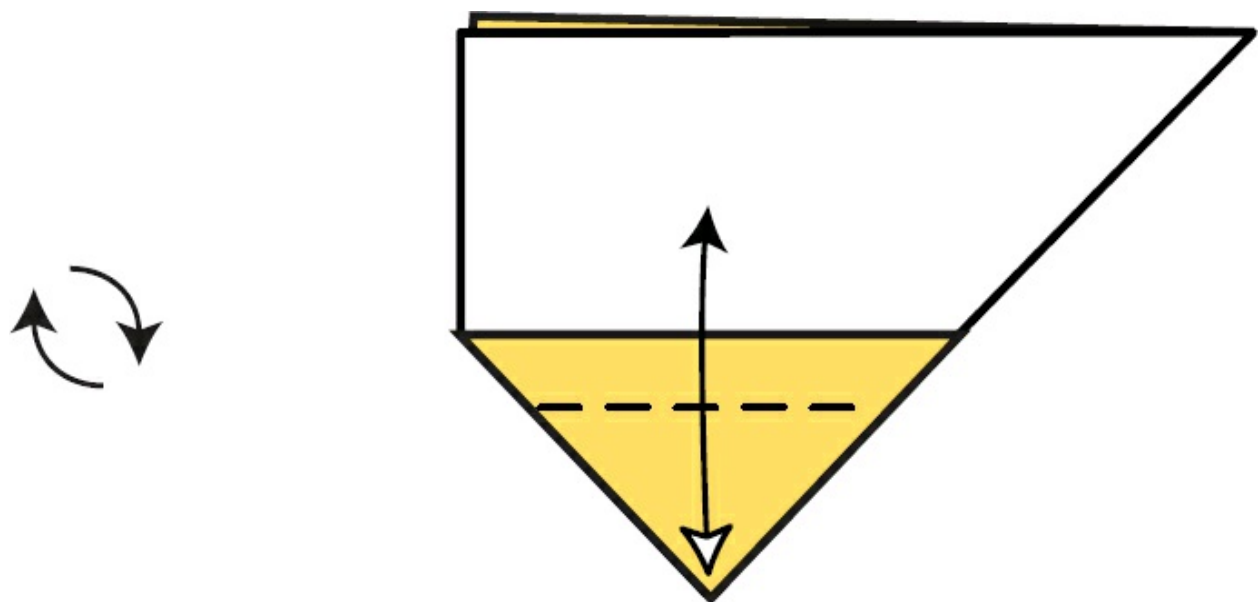
1 Crease in half, then unfold. Turn over.



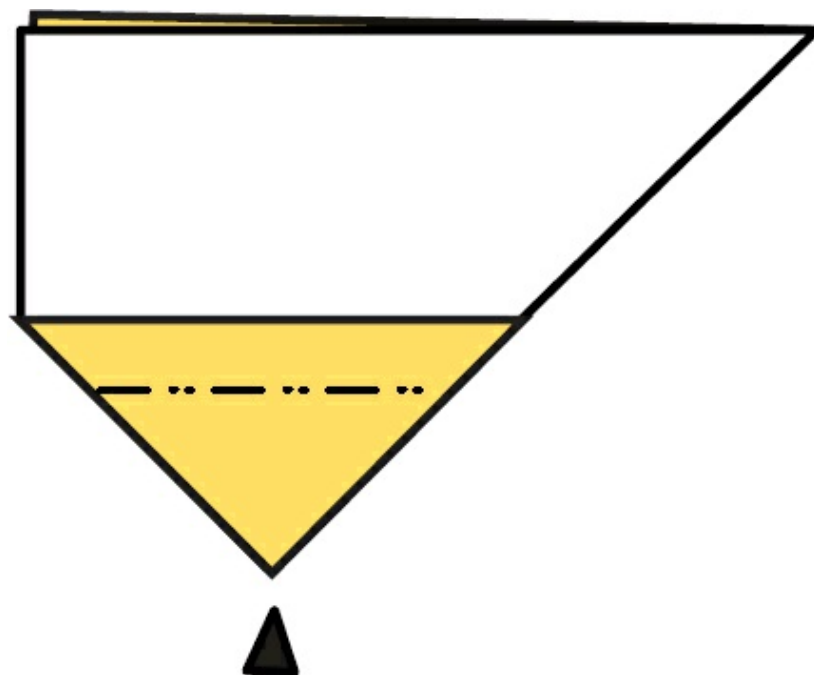
2 Fold the corner to the circled area.



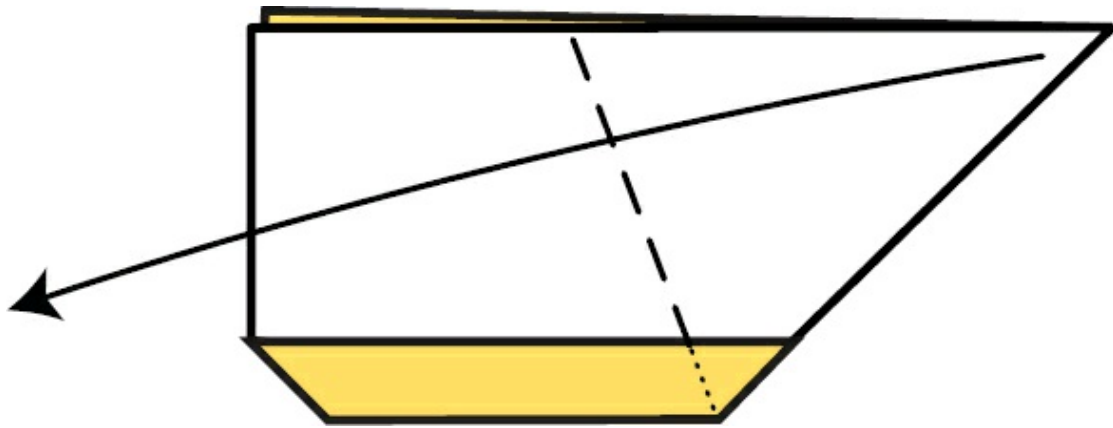
3 Fold the right half behind. Rotate the paper.



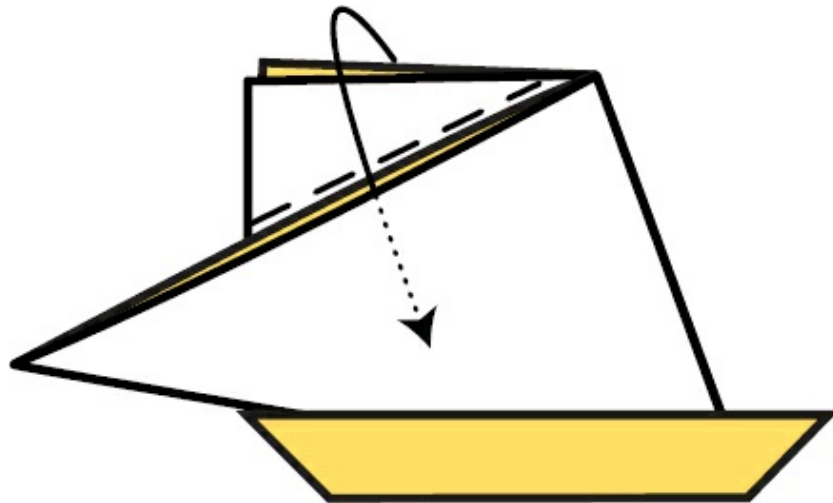
4 Crease firmly and unfold.



5 Reverse the point inside.



6 Fold the corner to the left.

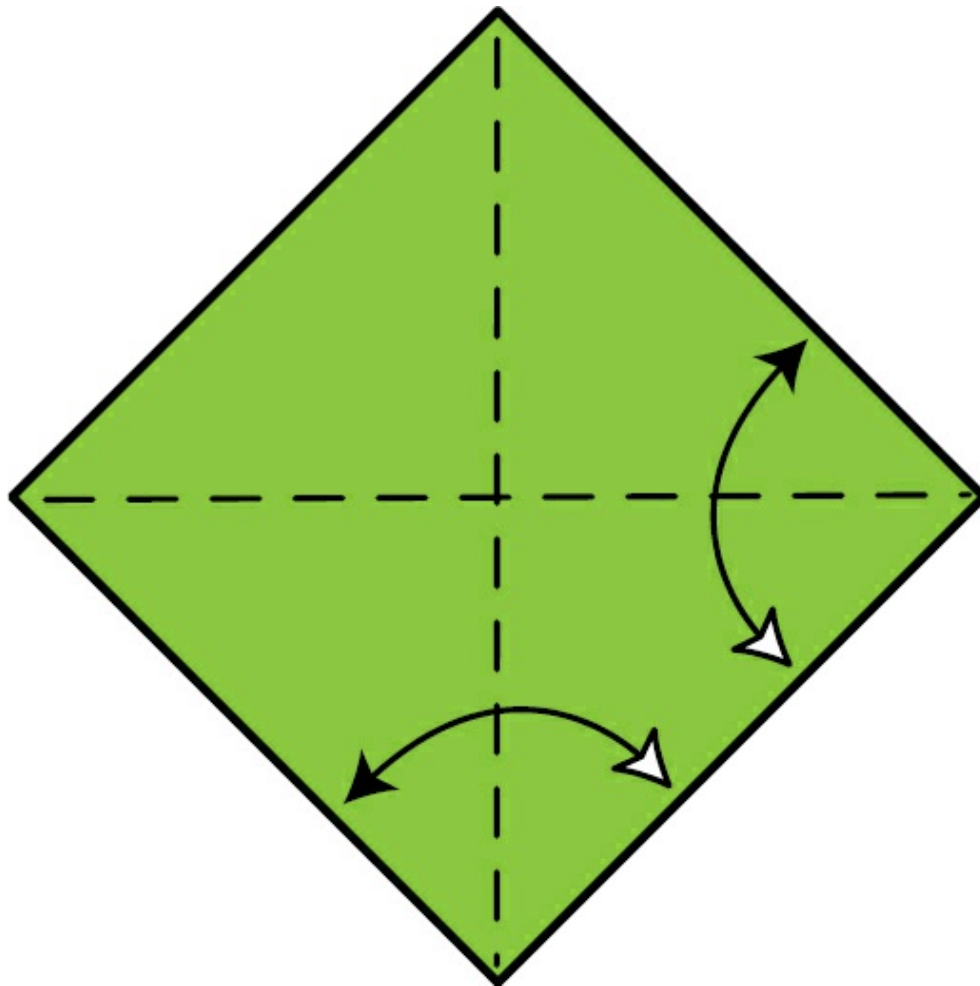


7 Fold the double layer into a pocket.

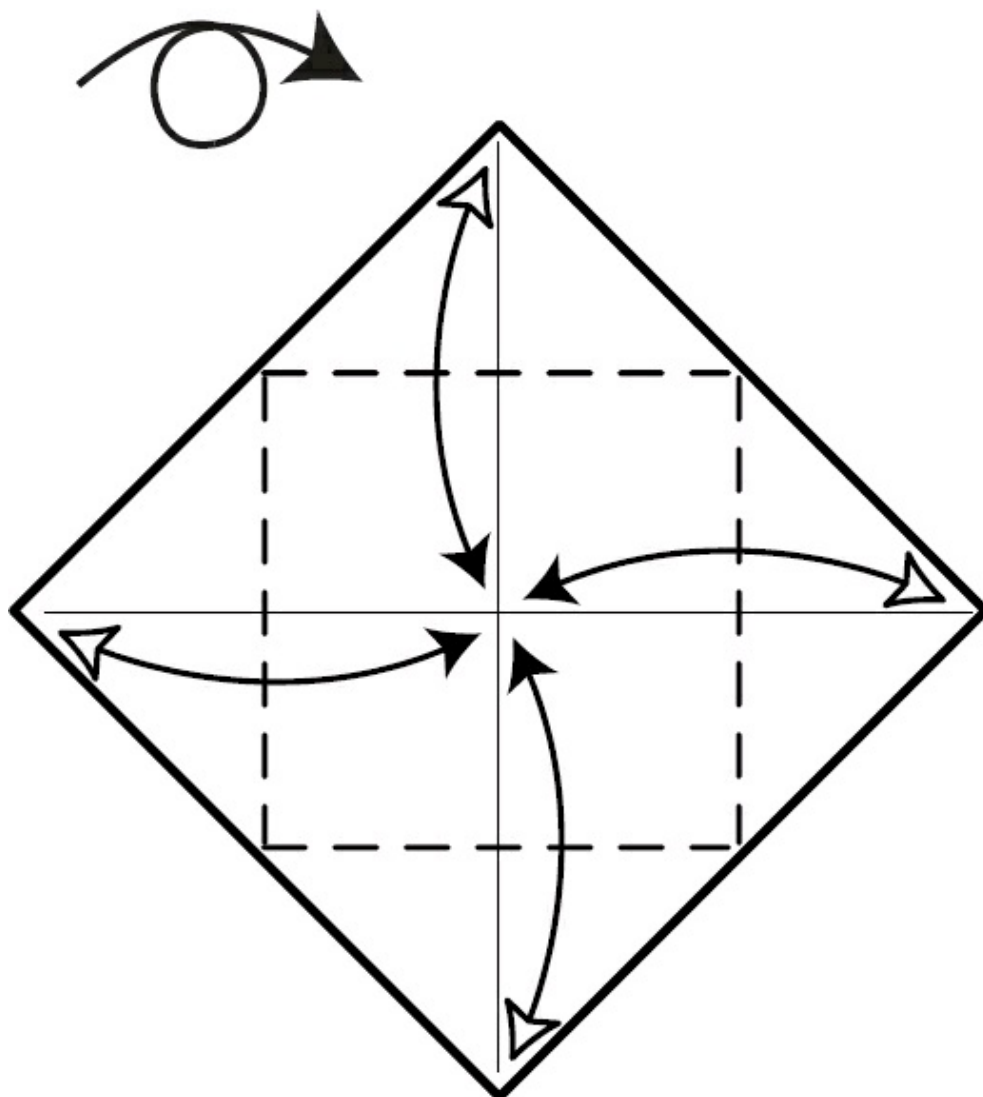
Throne



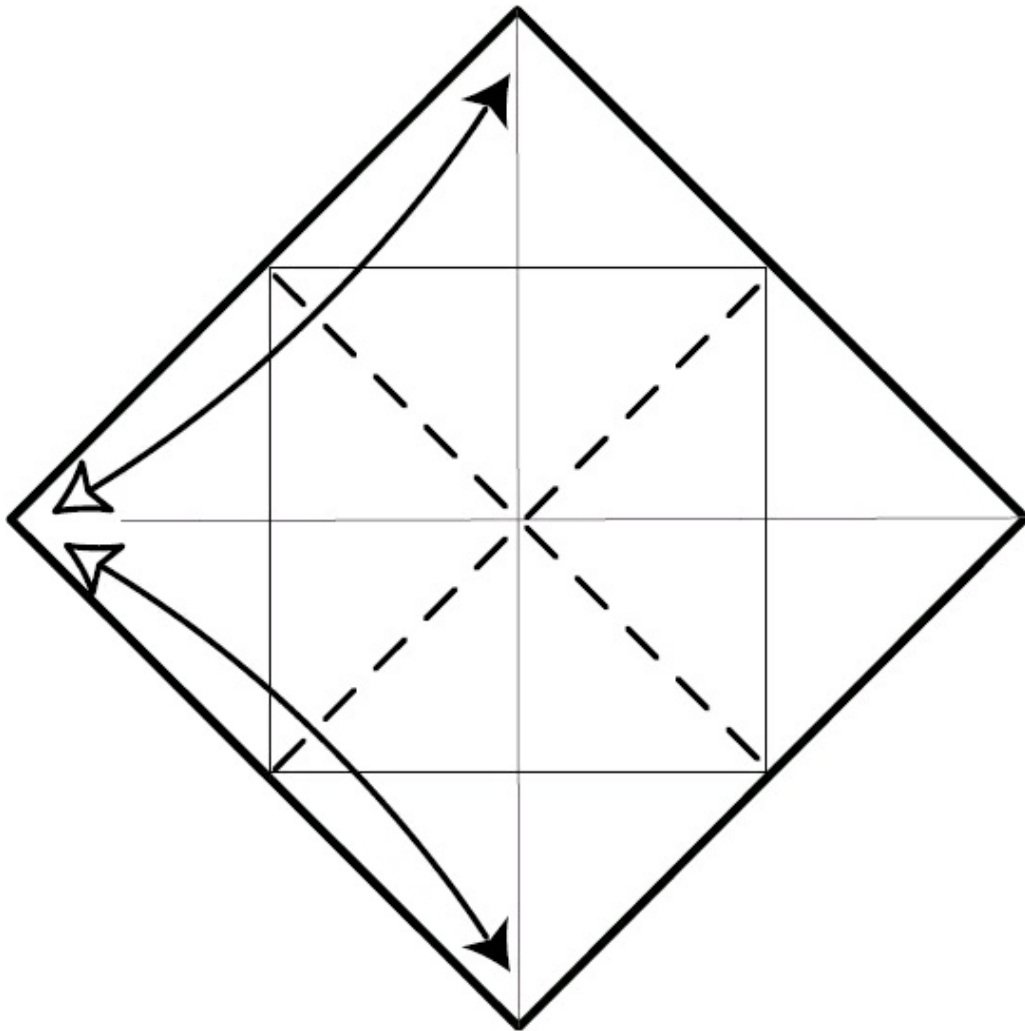
Any brightly colored paper can be used for this design, perhaps a flyer or leaflet.



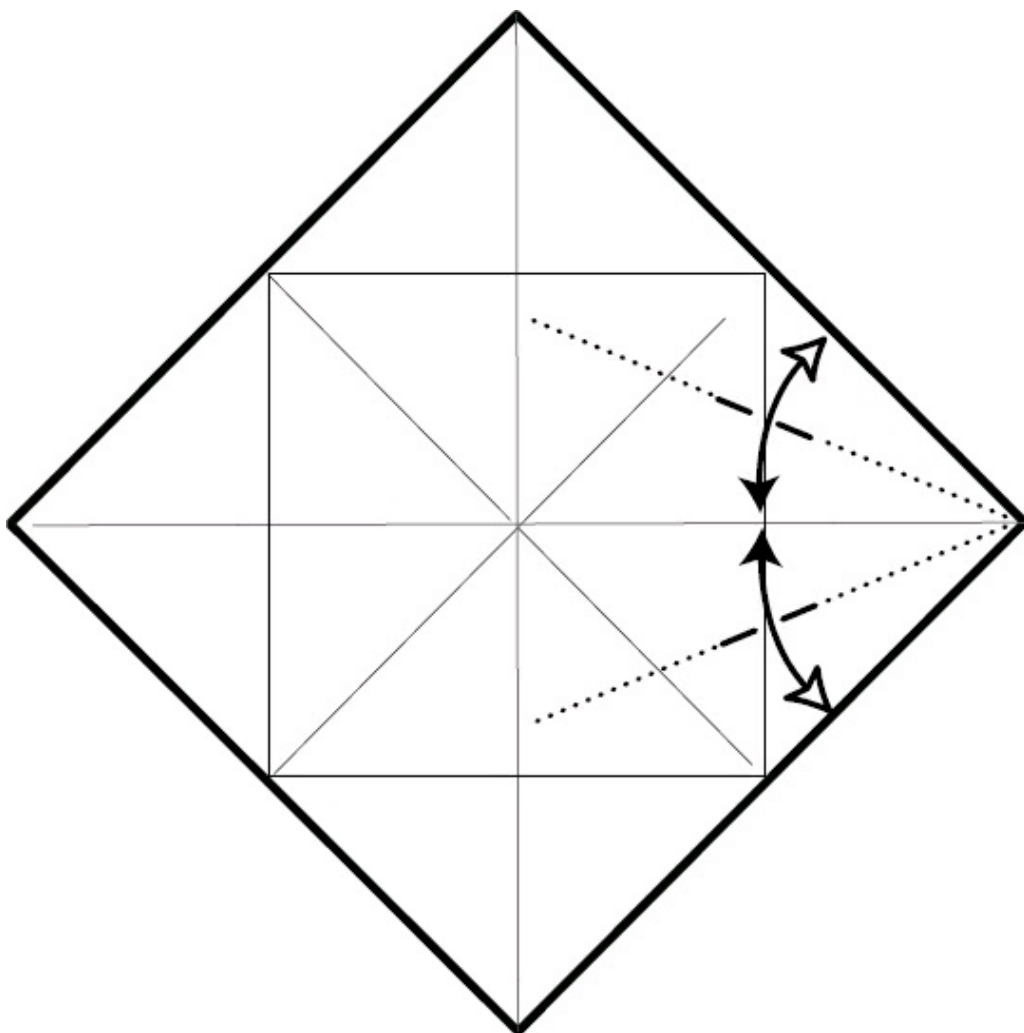
- 1 Fold in half from corner to corner, crease and unfold, in both directions. Turn the paper over.



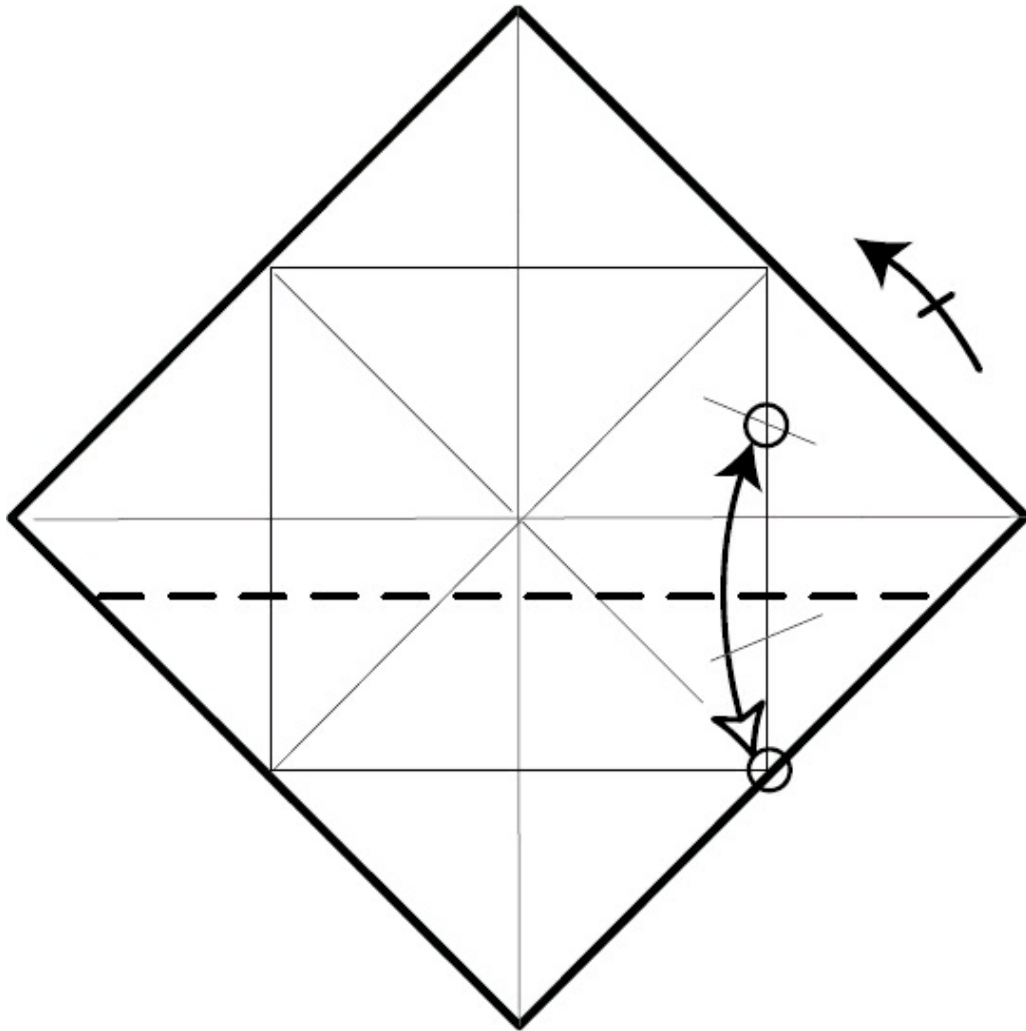
2 Fold each corner to the center, crease and unfold.



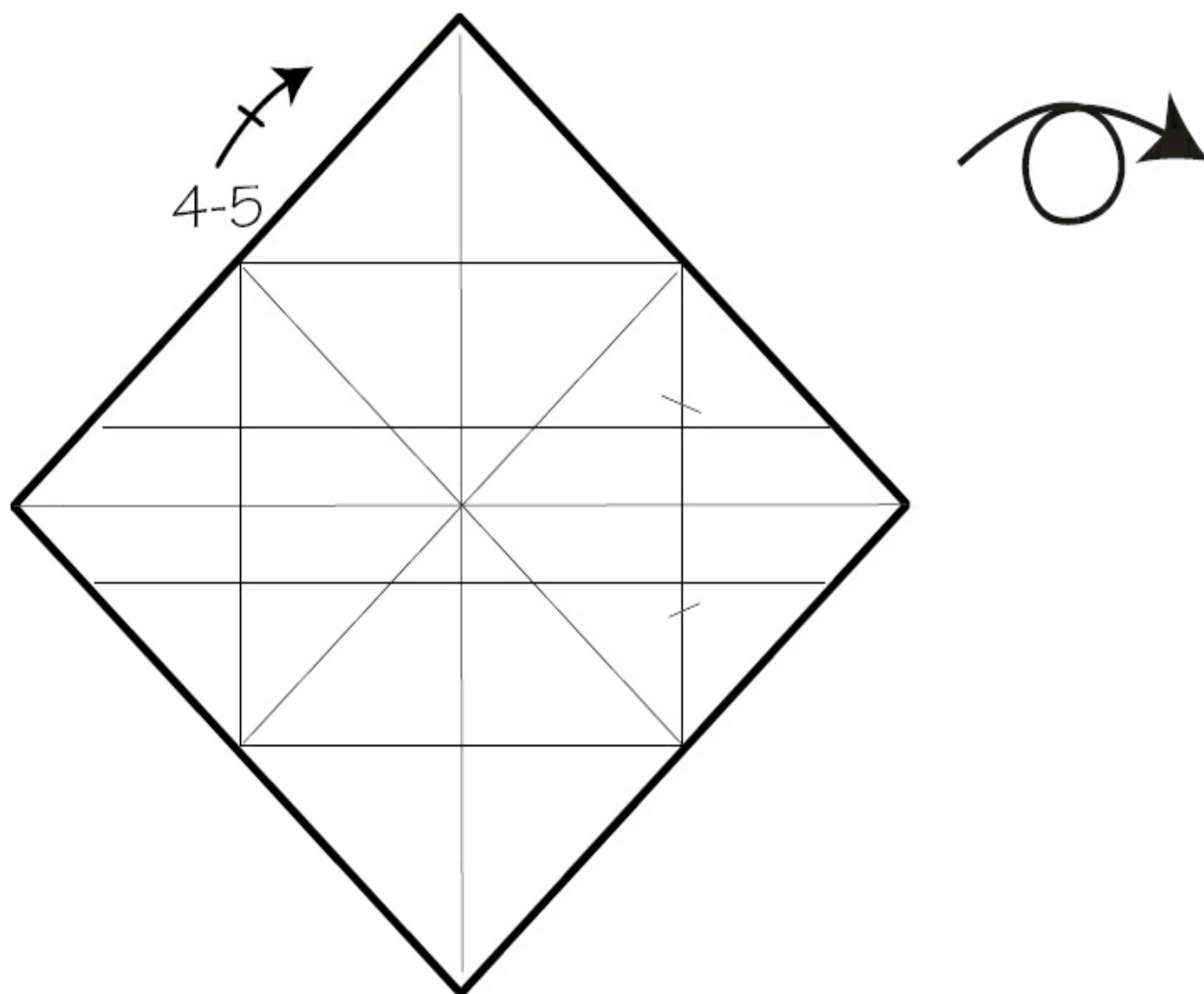
3 Fold in half from side to side, crease and unfold, in both directions.



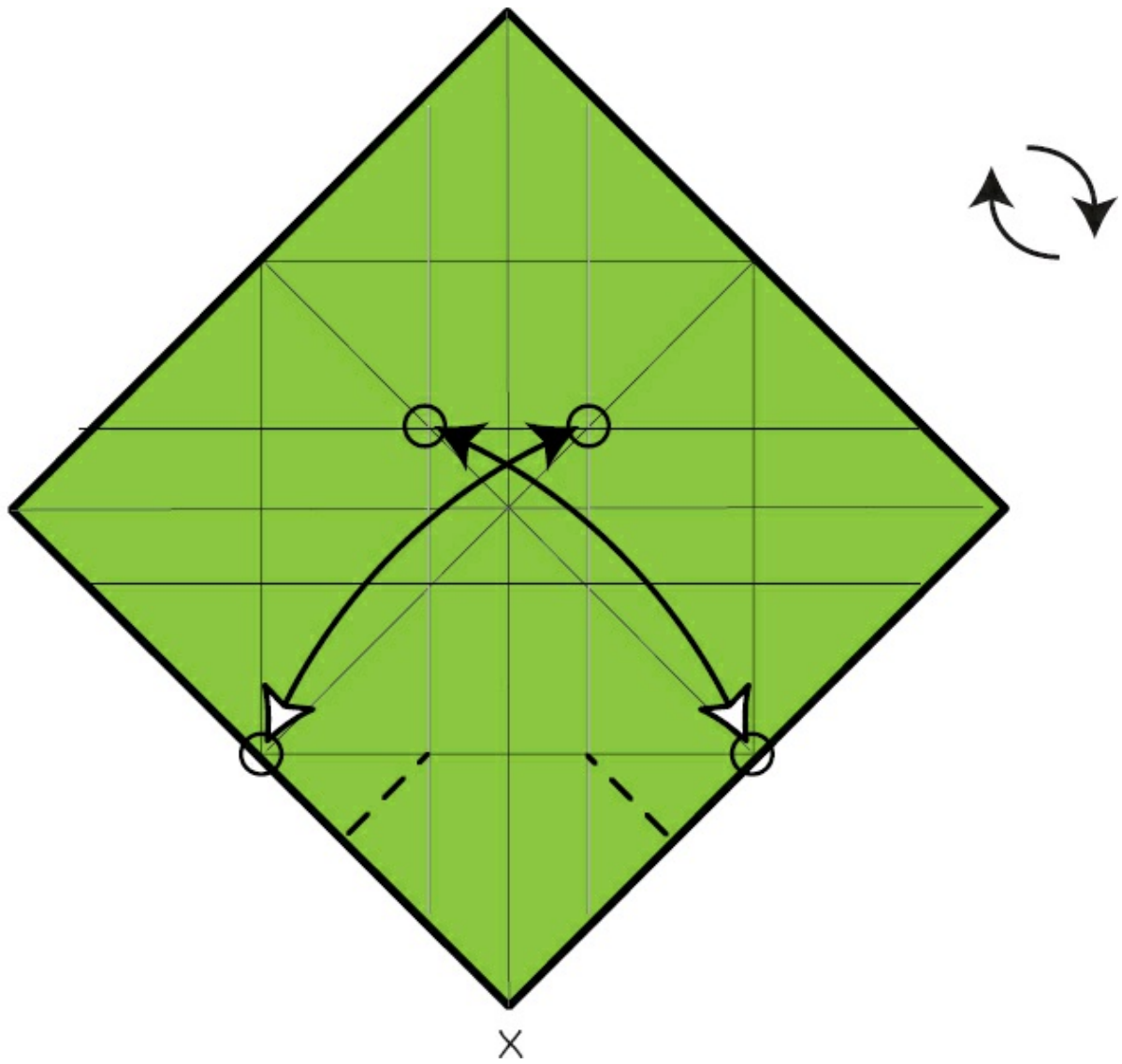
- 4 Fold the edges on the right to the horizontal diagonal. Then unfold, making small pinch-marks where shown.



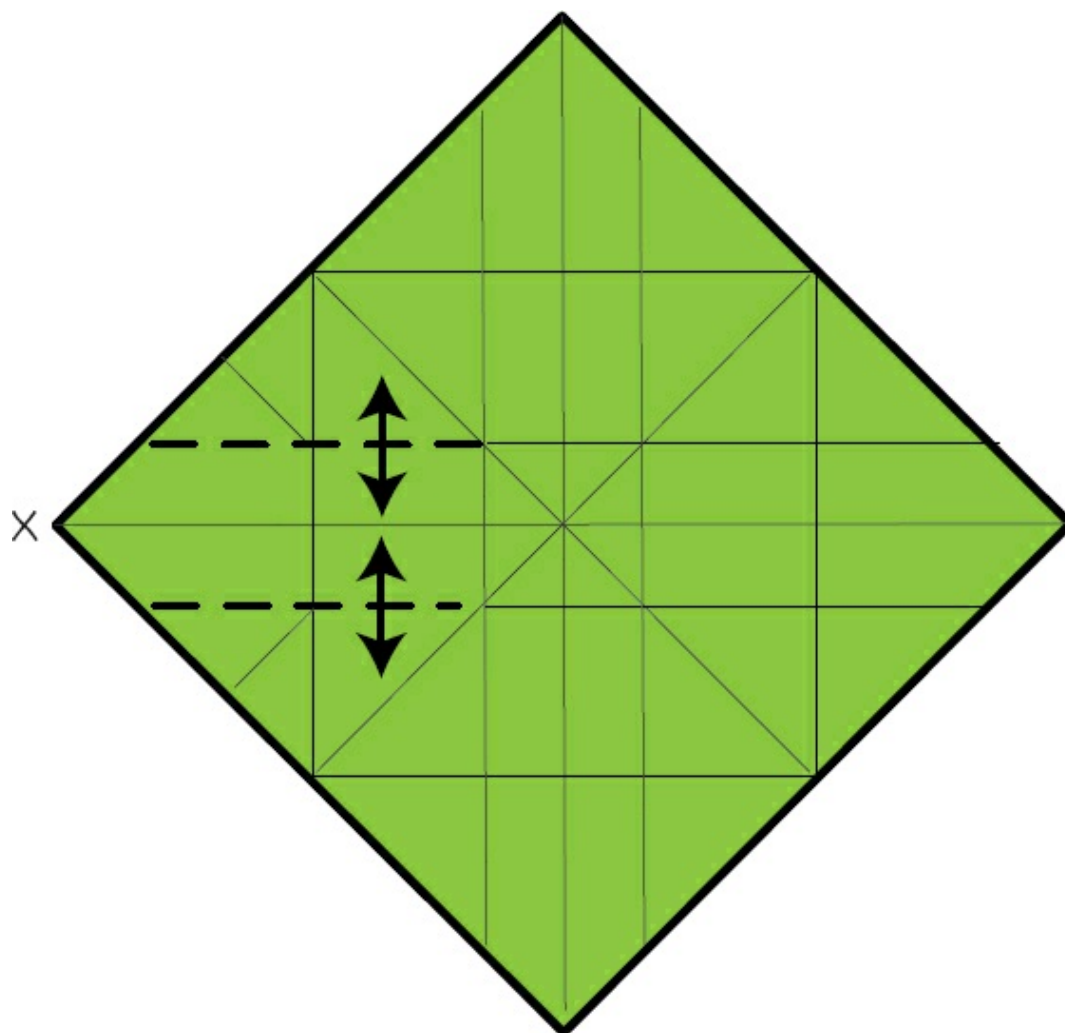
5 Fold the circled points to meet, crease and unfold. Repeat on the upper half.



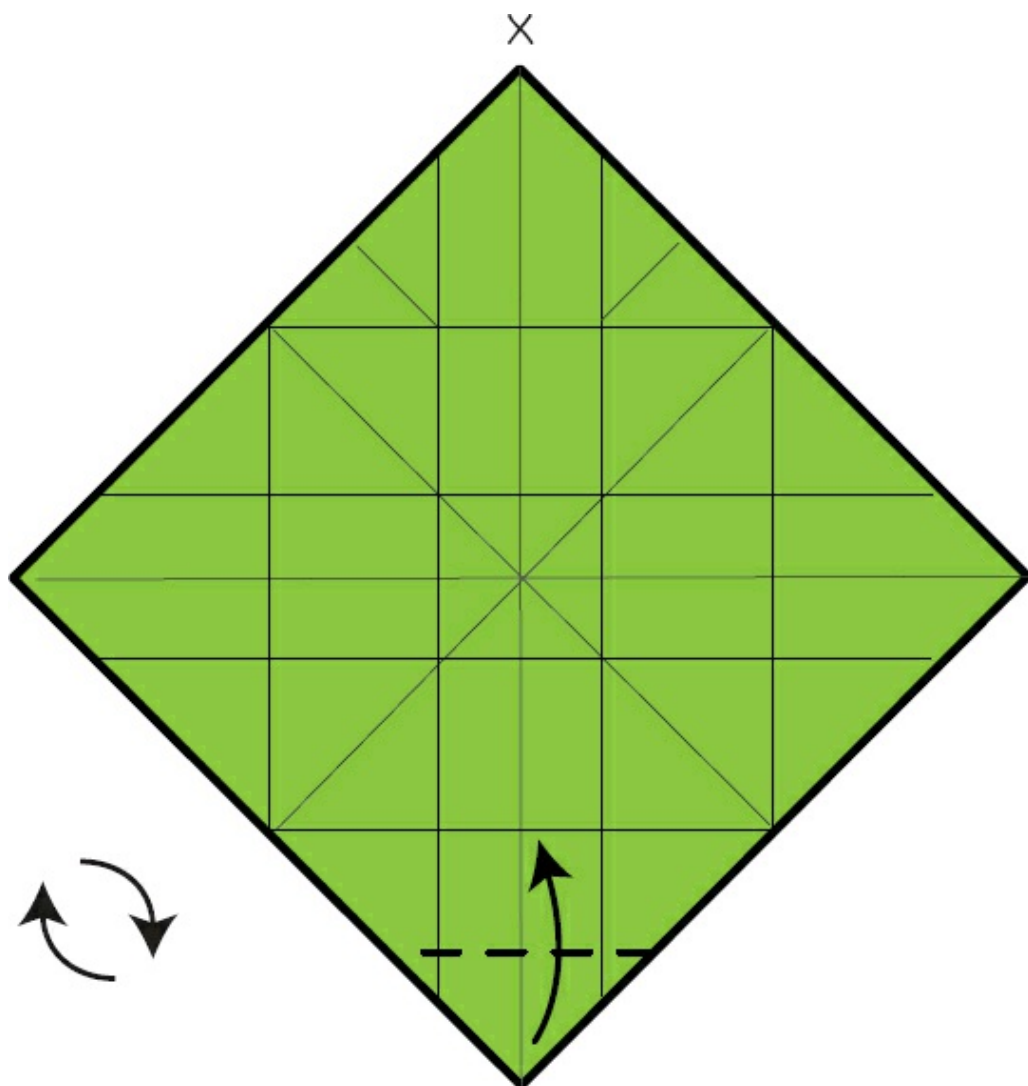
6 Repeat steps 4-5 on the other axis. Turn the paper over.



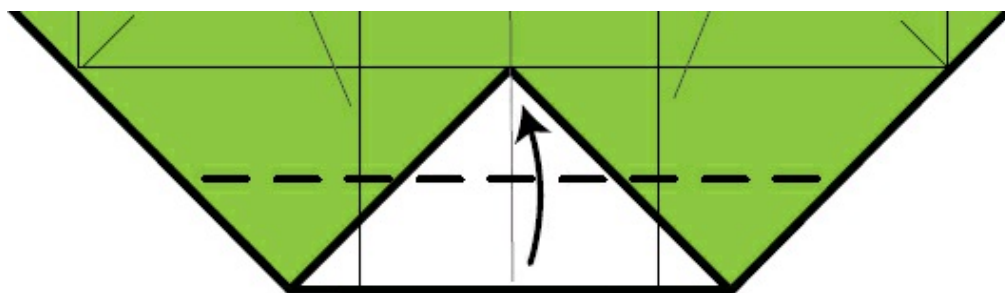
- 7 Fold so the circled points meet, crease where shown, then unfold. Rotate the paper (note corner X).



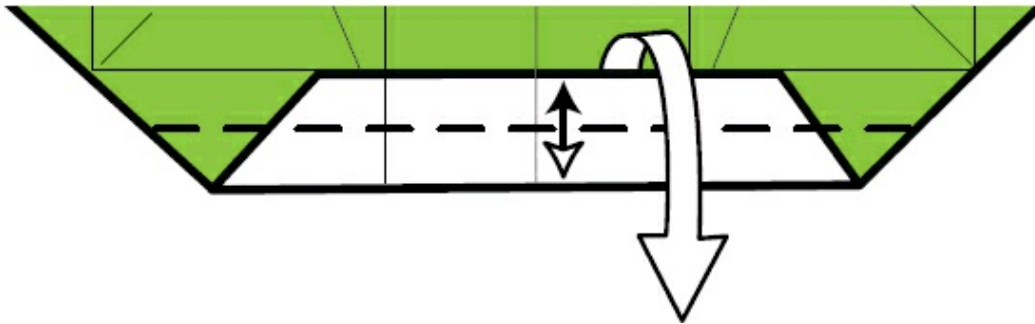
8 Refold the creases to make them valleys. Rotate the paper (note corner X).



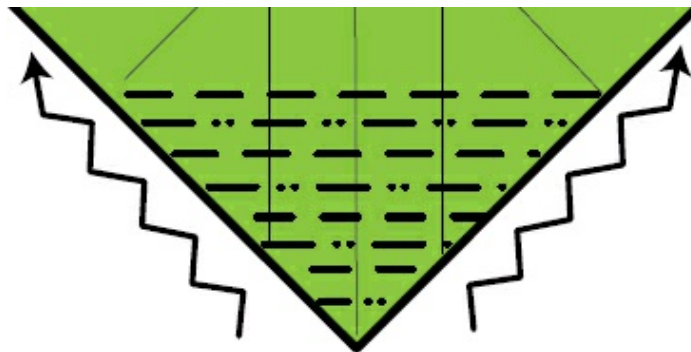
9 Fold the lower corner upwards. Next view is enlarged.



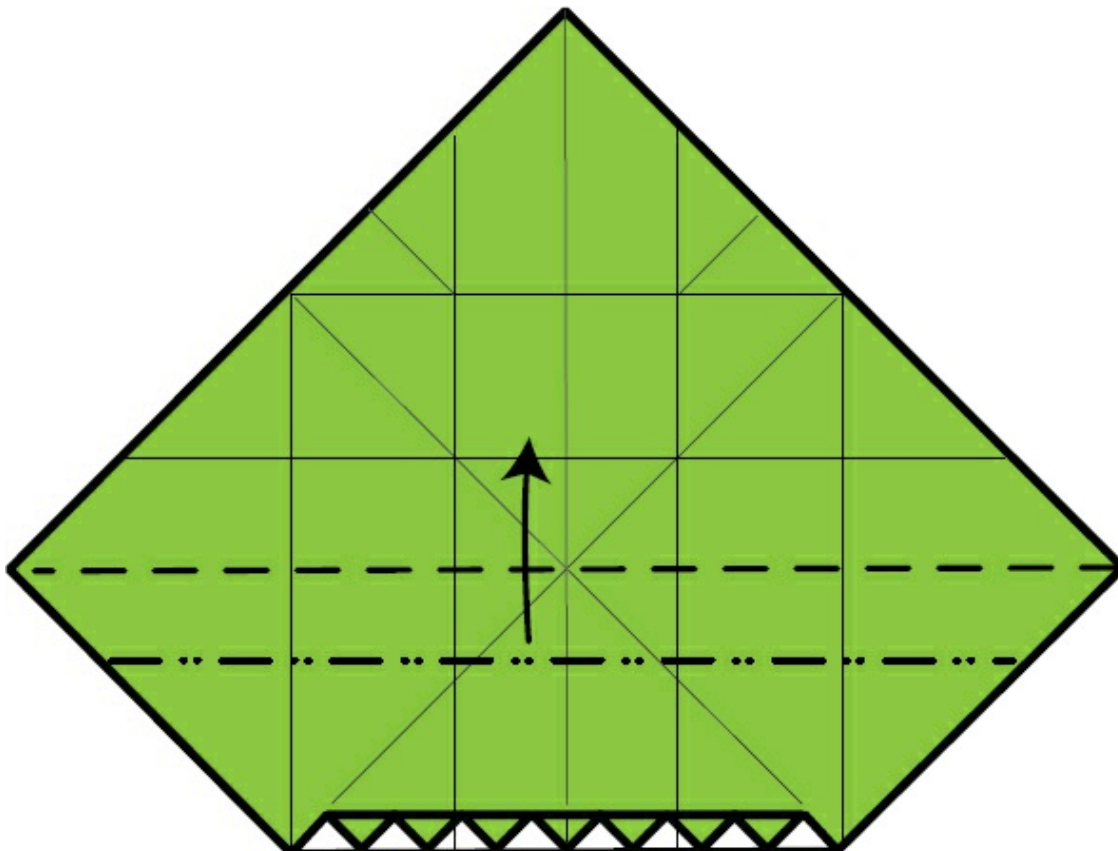
10 Fold the white triangle in half upwards.



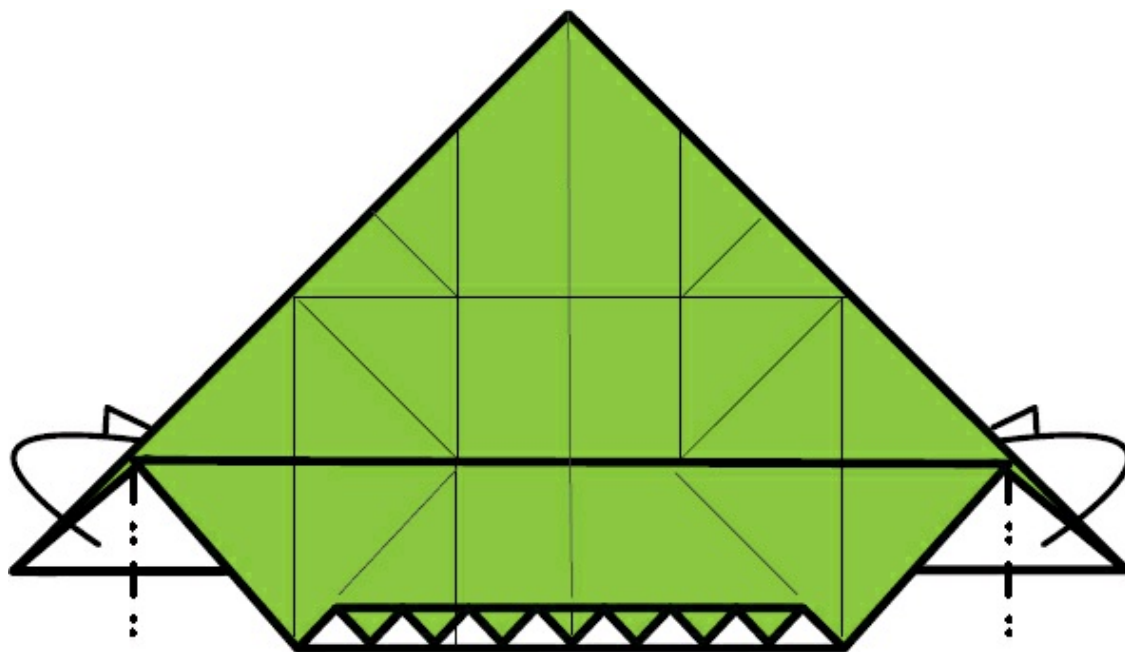
11 Fold the white section in half, then fully unfold the lower corner.



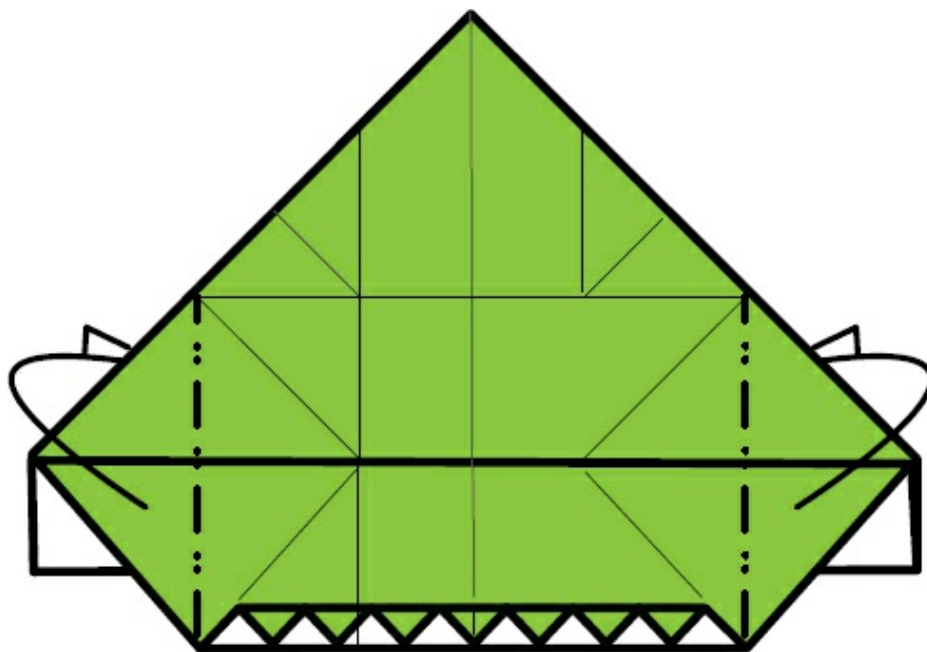
12 Pleat the lower corner upwards, changing existing creases as required.



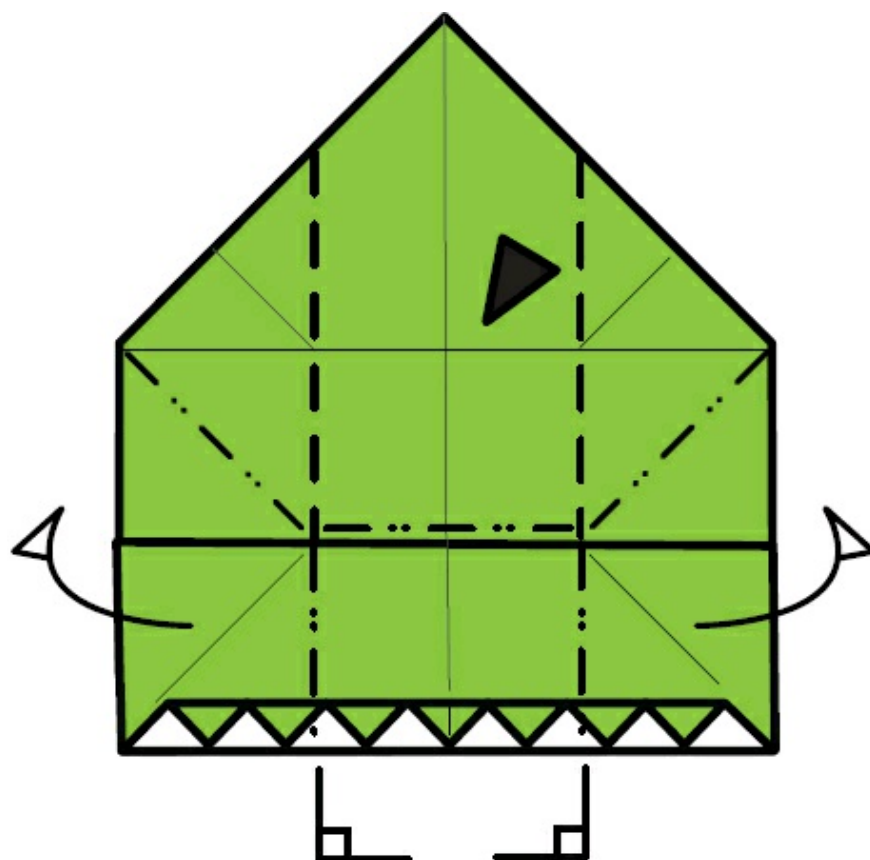
13 Pleat upwards on existing creases.



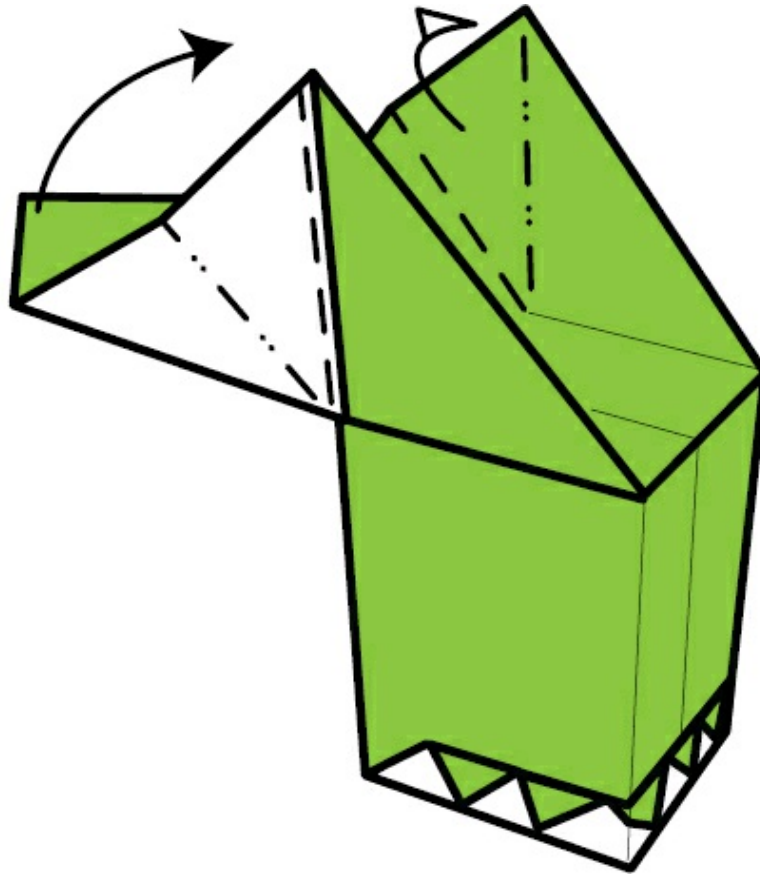
14 Fold the white corners behind.



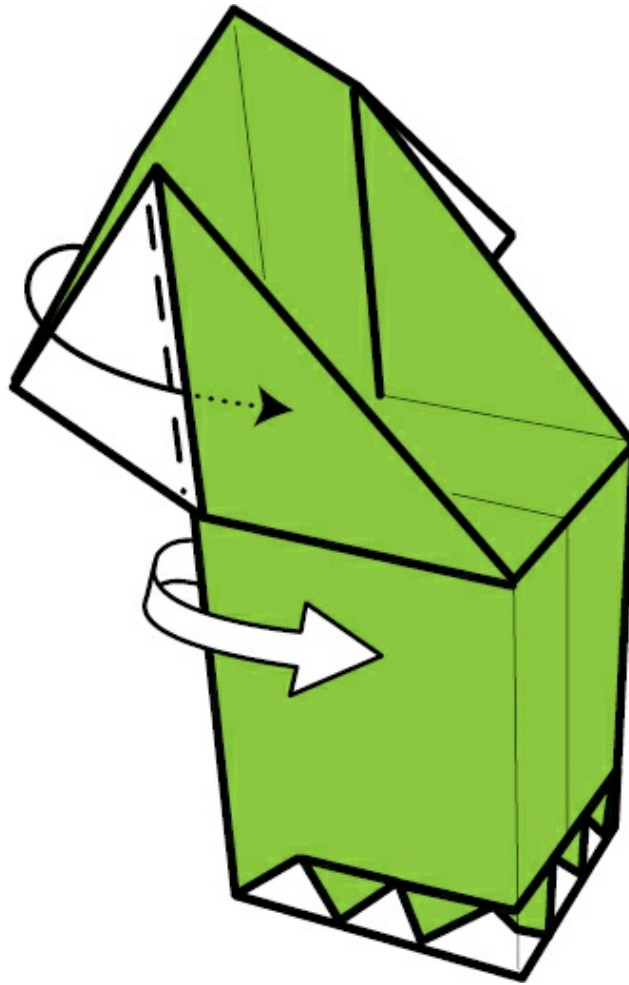
15 Fold the outer flaps behind.



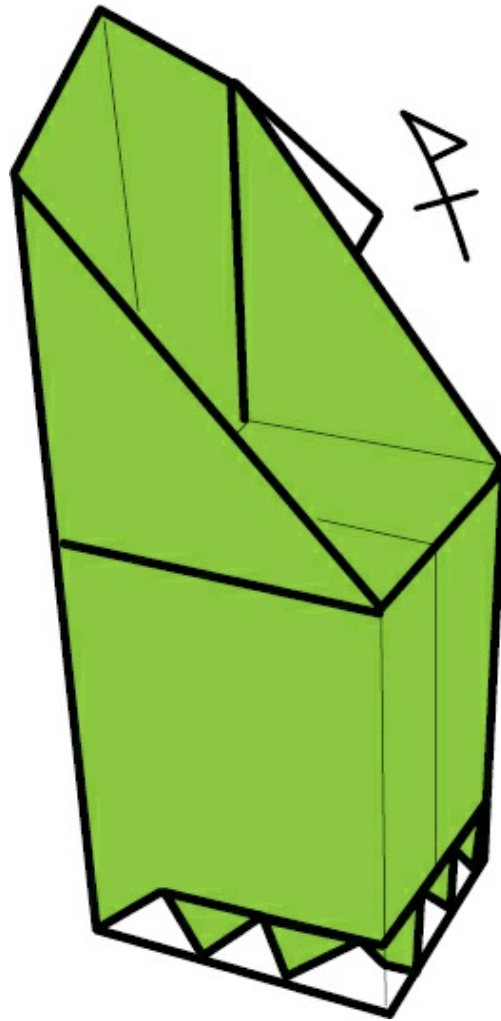
16 Form the paper into 3D using these creases.



17 Lift a flap up using these creases.



18 Fold the white flap forwards, tucking it behind a layer.

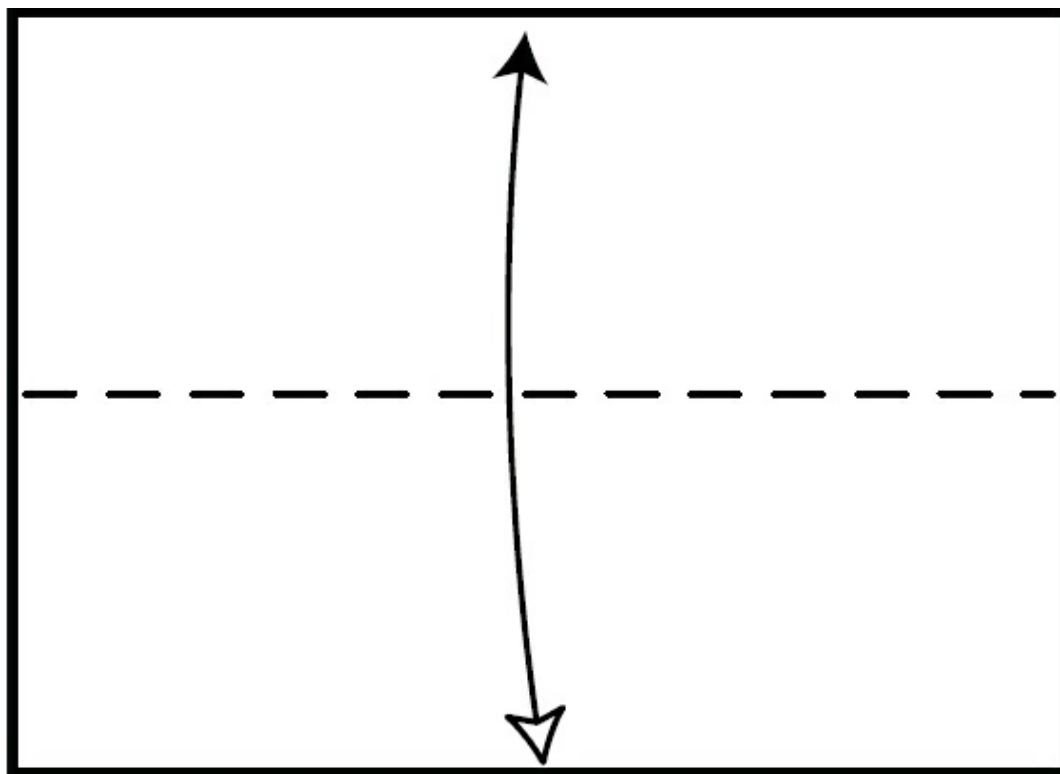


19 Repeat with the matching flap.

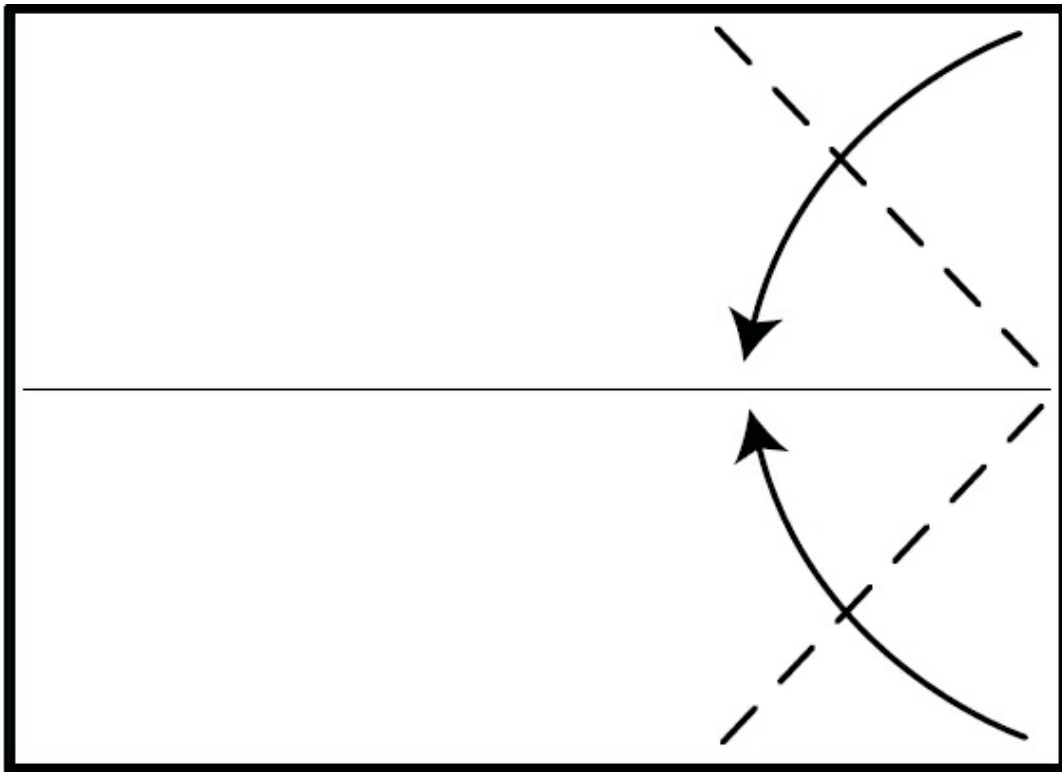
Wizard



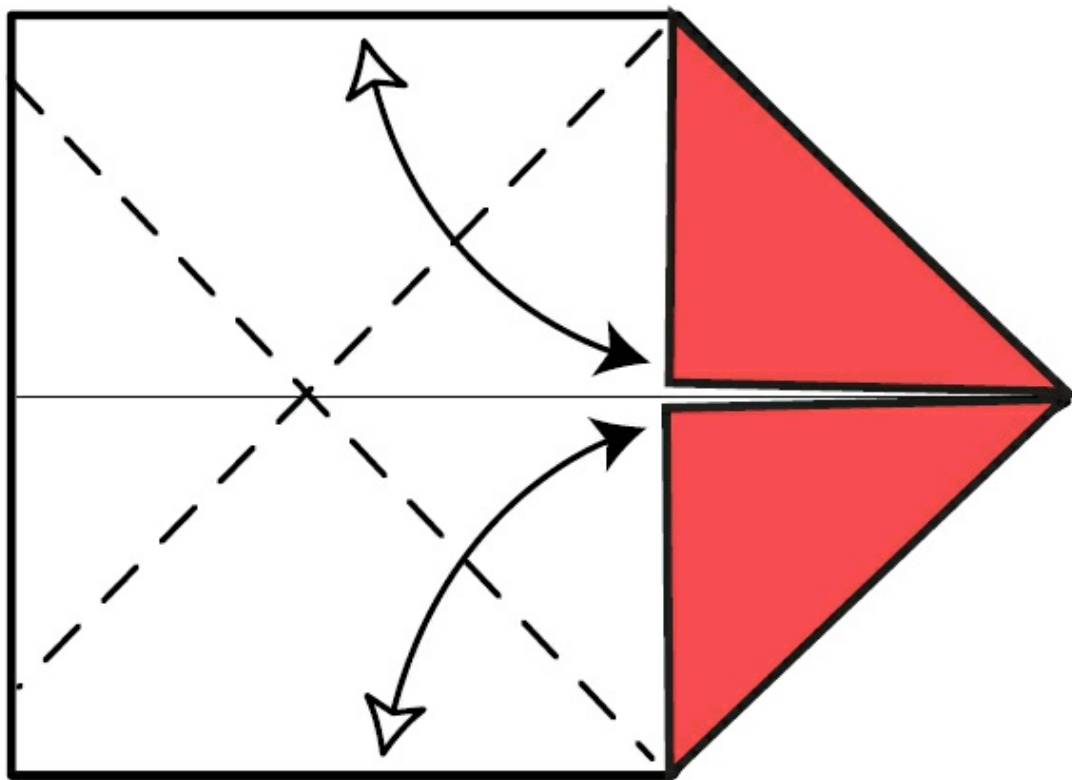
This can be made from a variety of tickets or other rectangular shapes. Choose a color to suit a wizard!



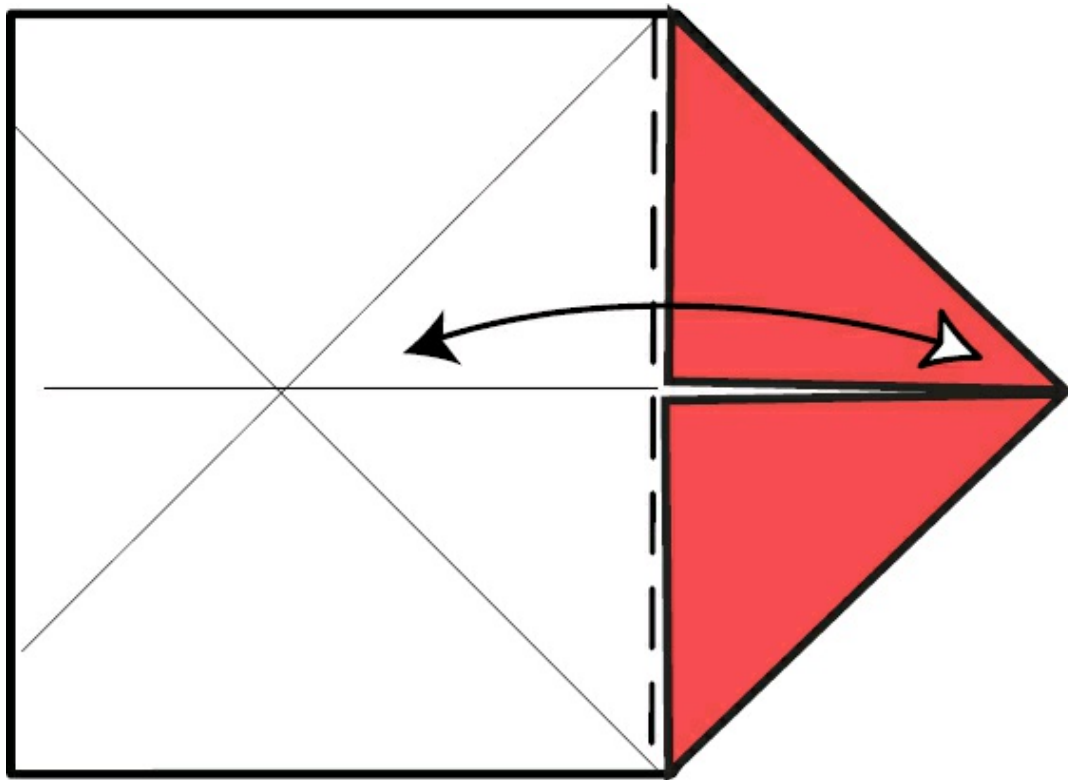
- 1 Fold in half, crease and unfold.



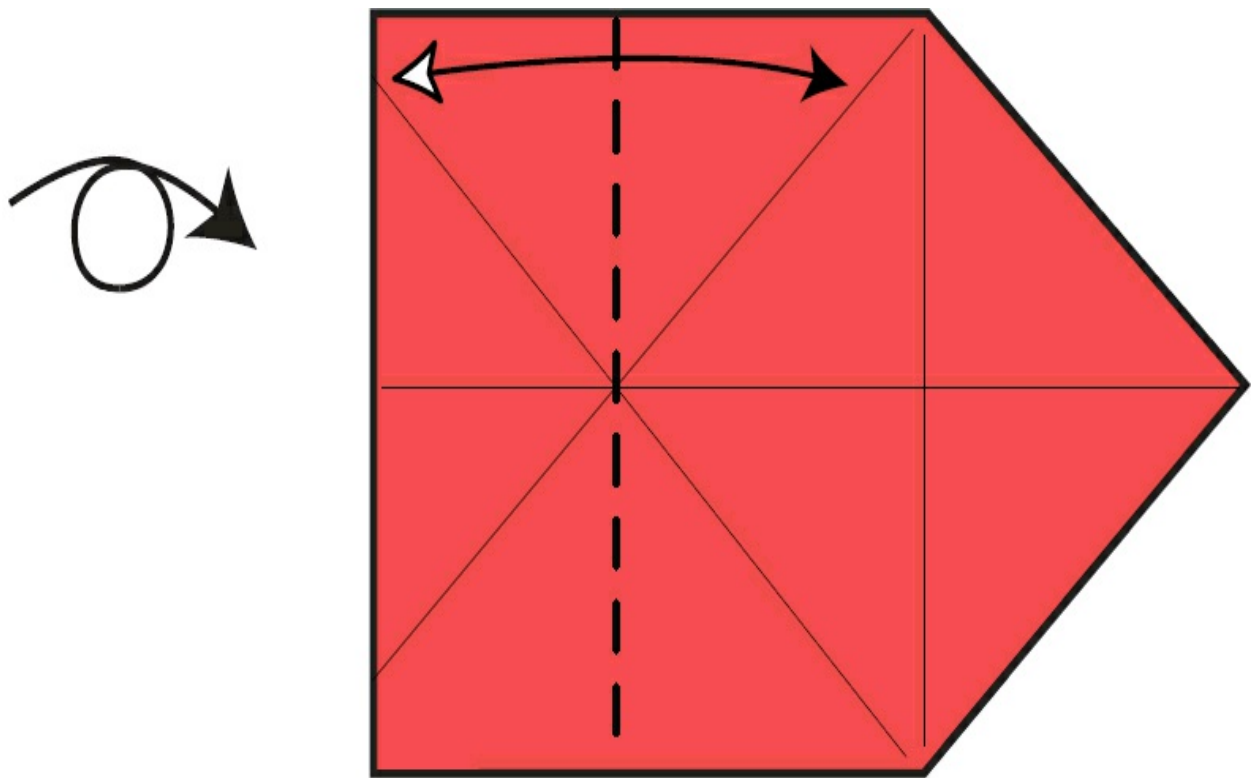
2 Fold each half of the short edge to the vertical crease.



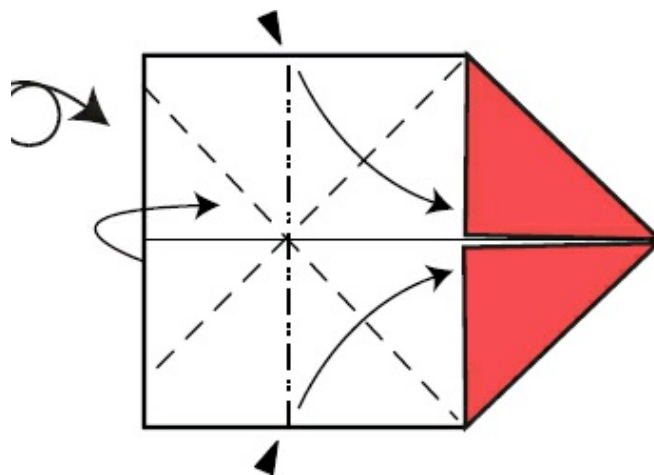
3 Fold upper and lower white edges to the colored edge, crease and unfold.



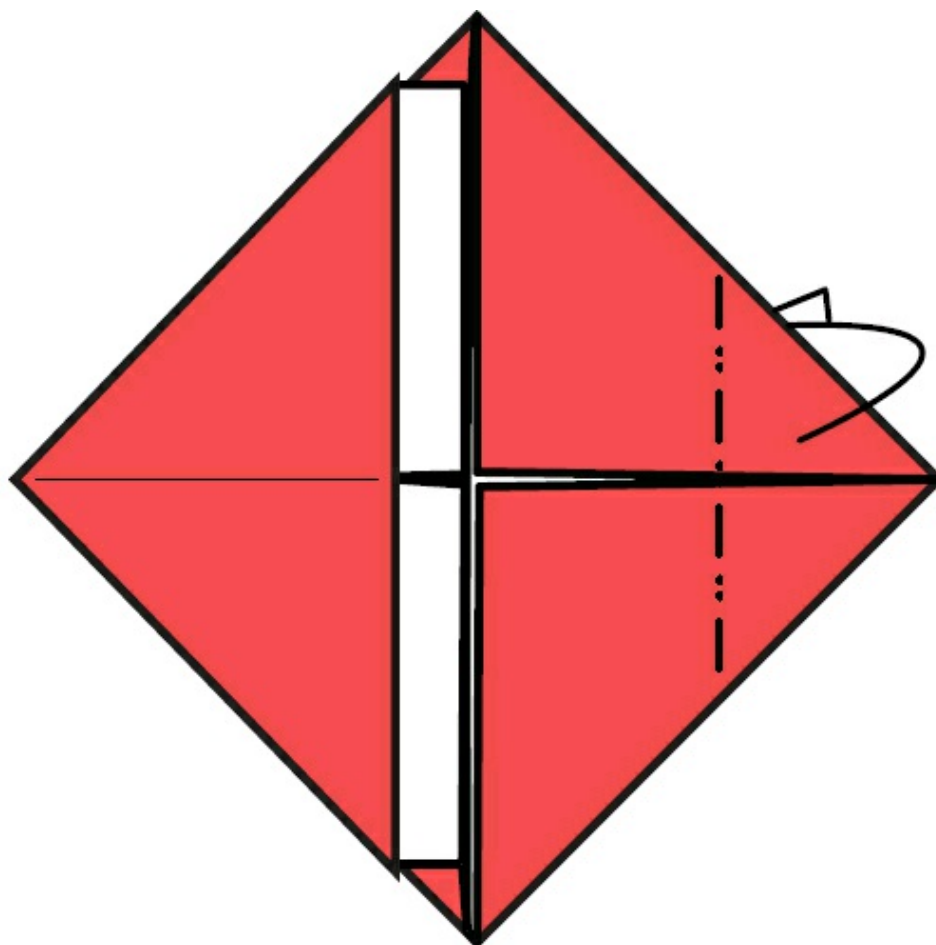
4 Crease and unfold along the colored edge. Turn the paper over.



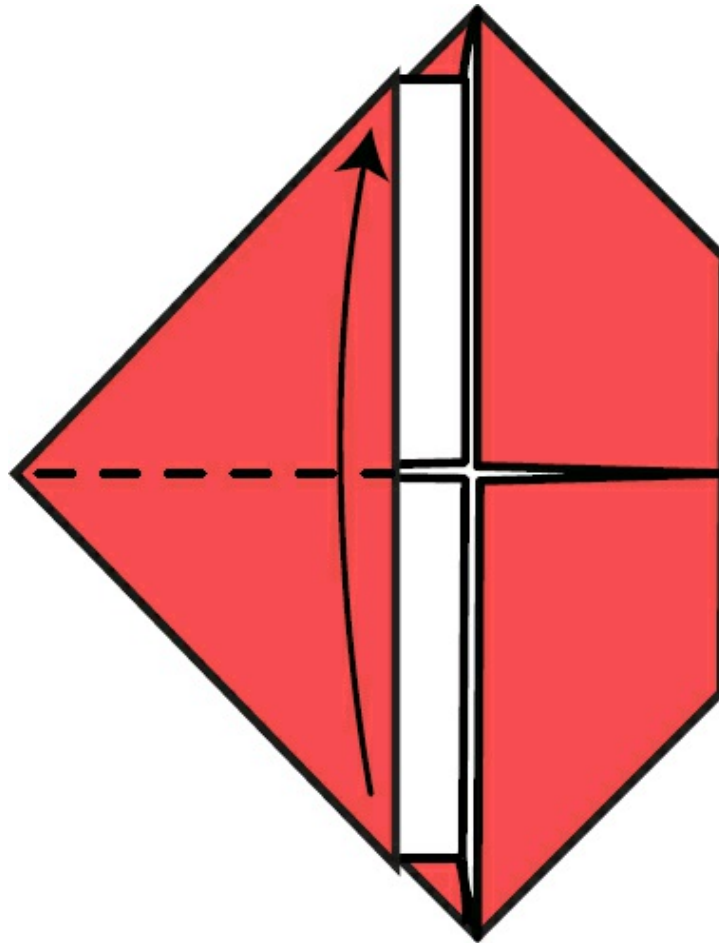
5 Crease through the intersection point, then unfold. Turn over again.



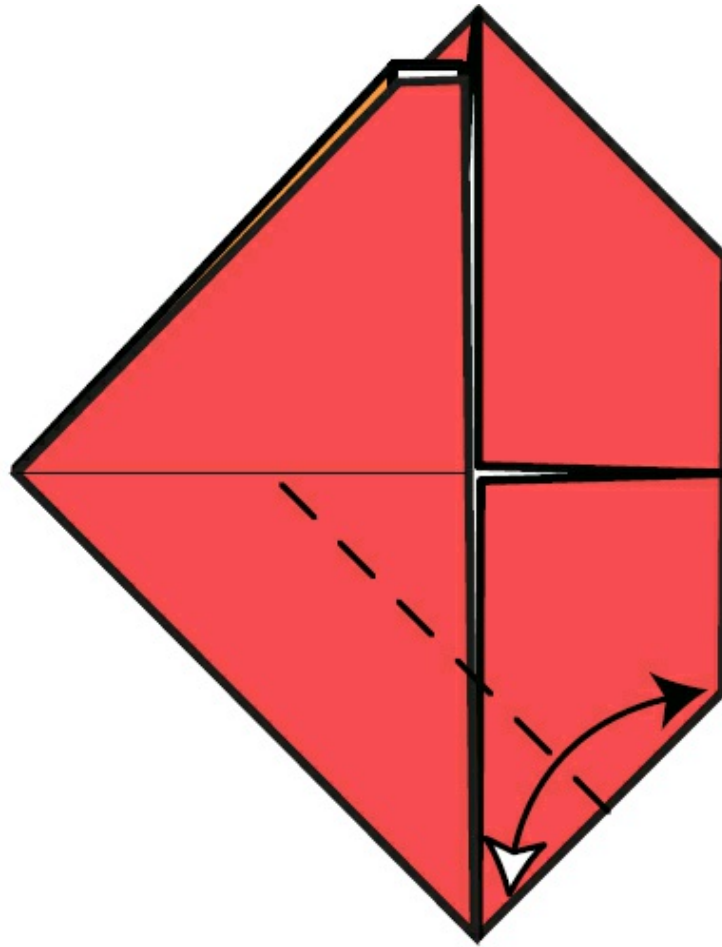
6 Collapse the paper to the right.



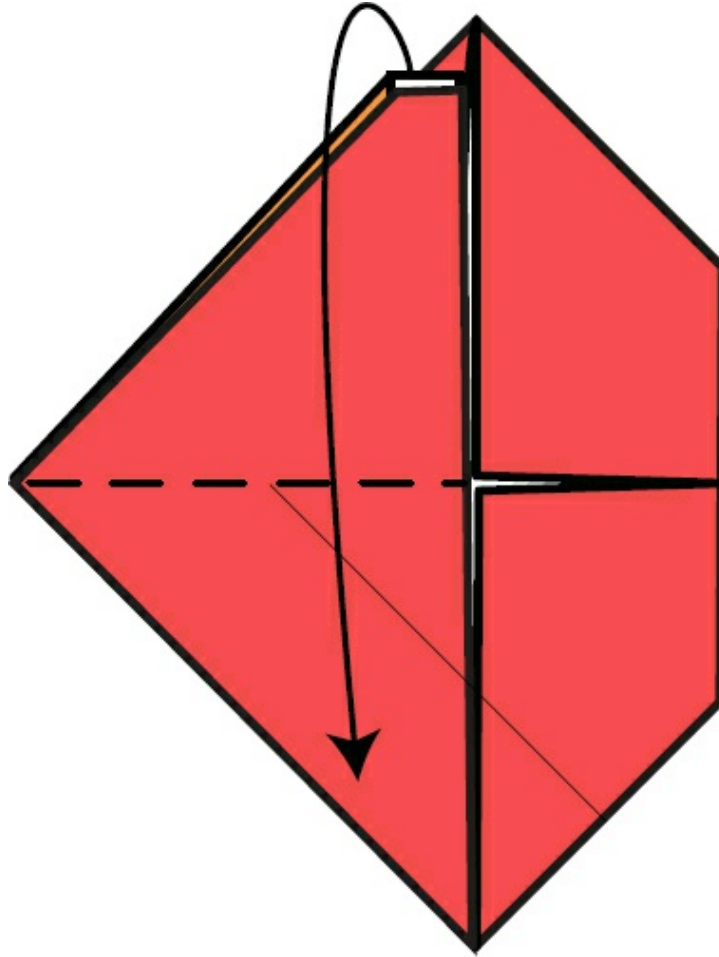
7 Fold the right corner behind to touch the center.



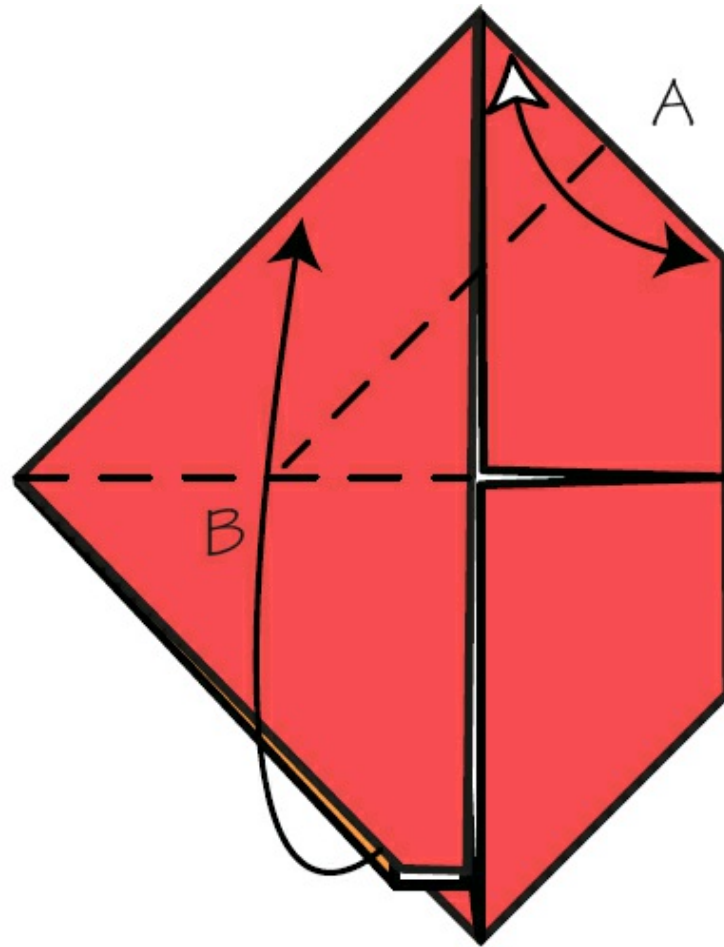
8 Fold a single flap upwards.



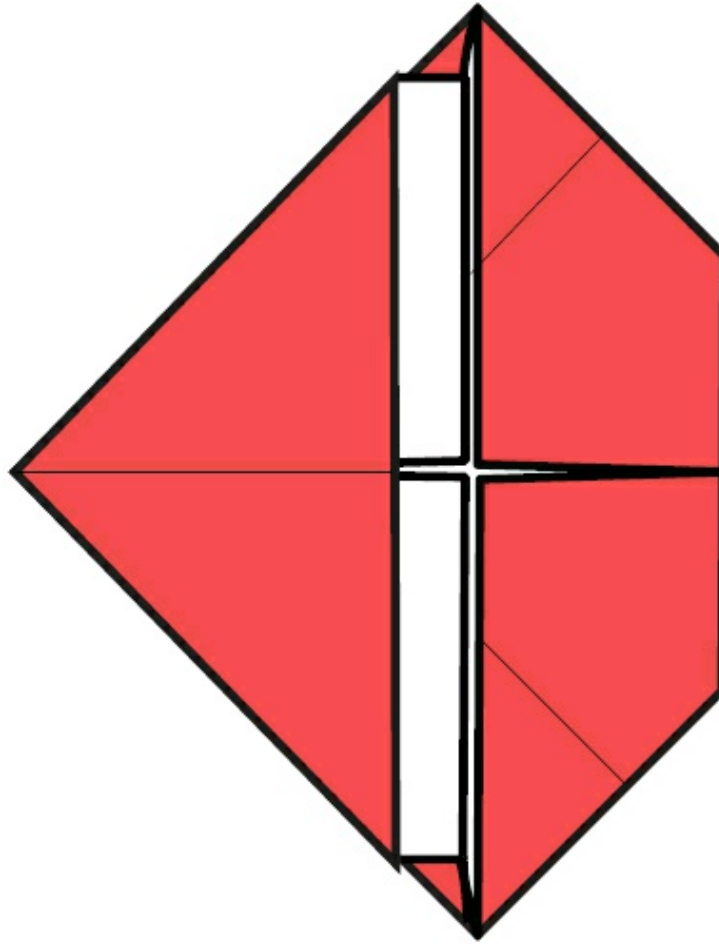
9 Crease where shown through all layers, then unfold.



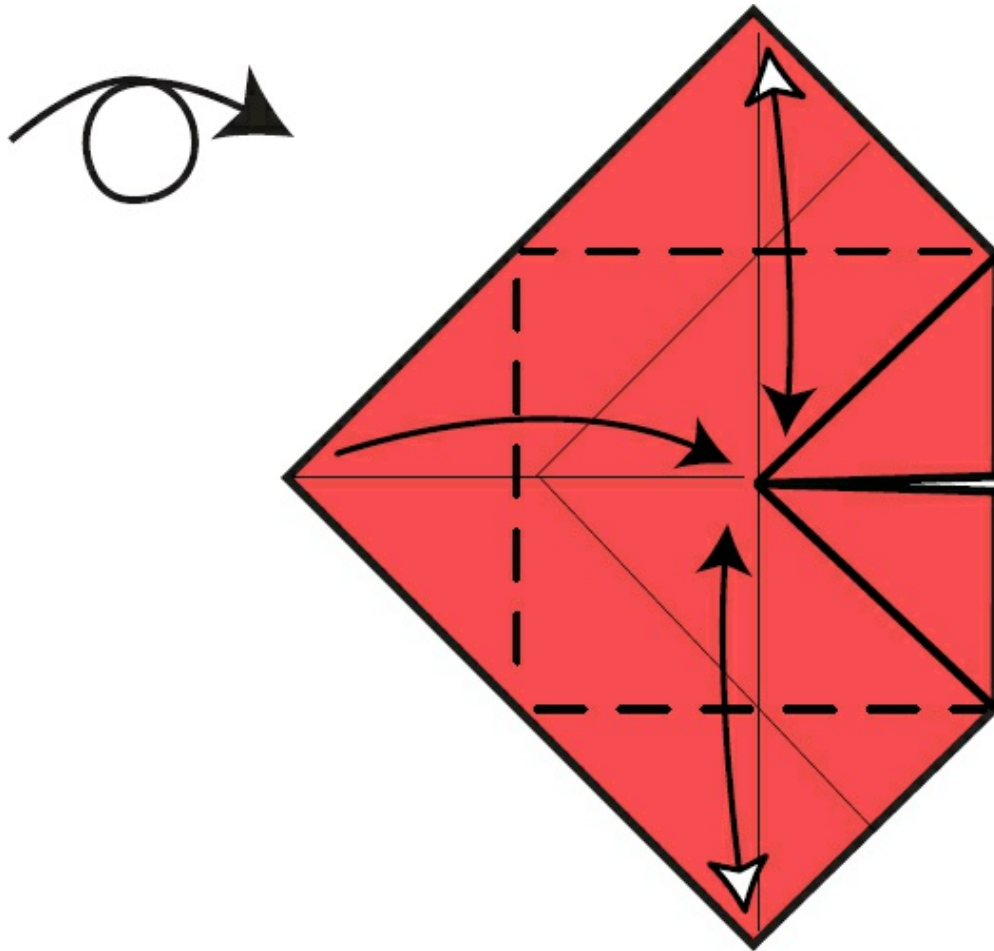
10 Fold two flaps downwards.



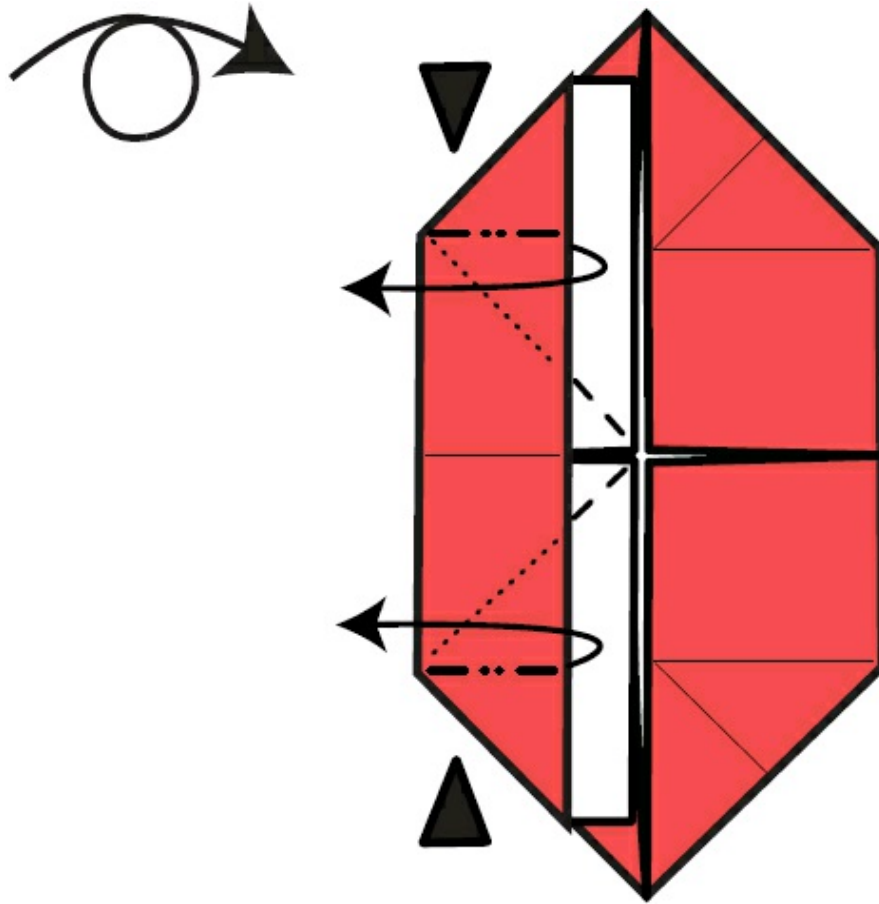
11 A - Repeat step 9 and B - fold a single flap upwards.



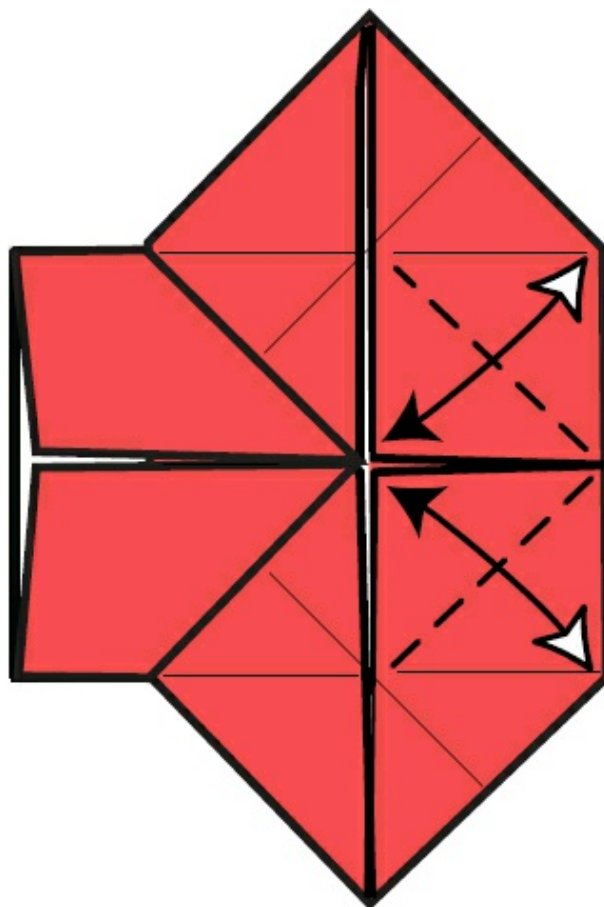
12 This is the result, turn the paper over.



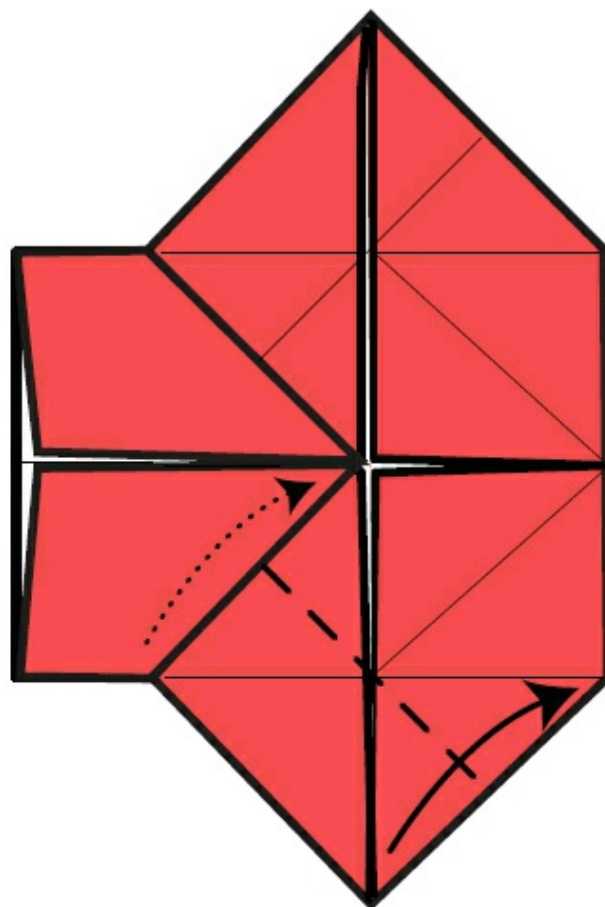
13 Fold corners to the center, unfold two. Turn over.



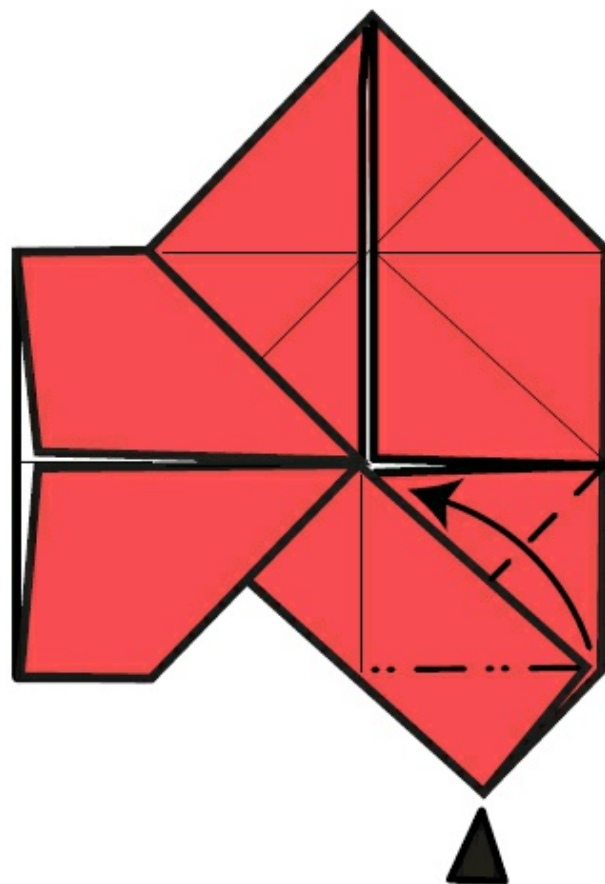
14 Open and flatten two flaps to the left.



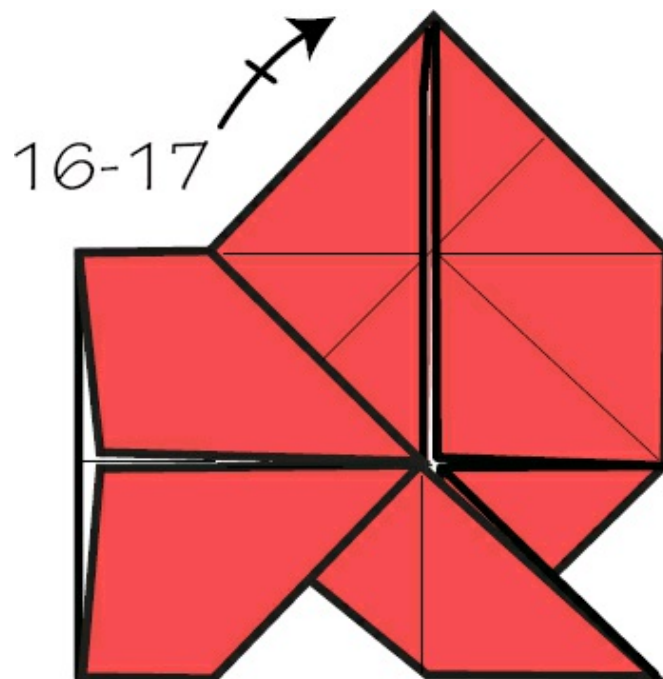
15 Make two pre-creases.



16 Fold a flap over underneath a layer on the left.



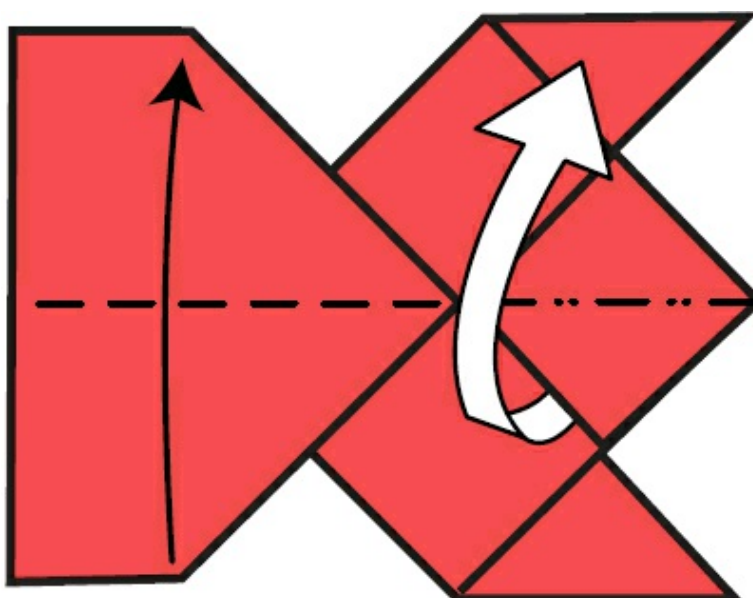
17 Fold a corner inside using two creases.



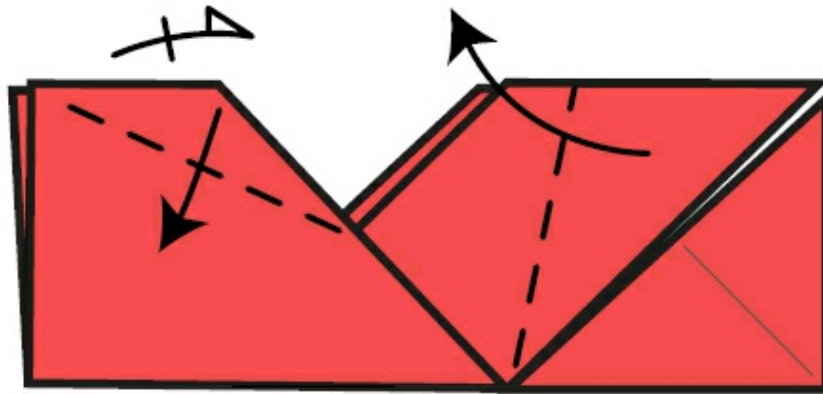
18 Repeat steps 16 and 17 on the upper side.



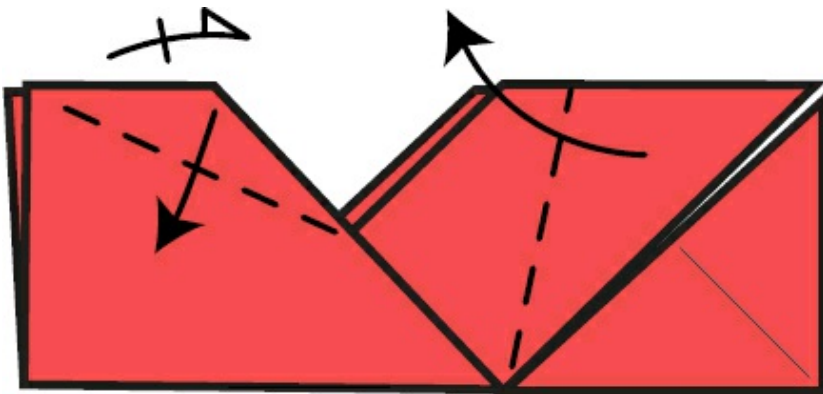
19 The result. Turn the paper over.



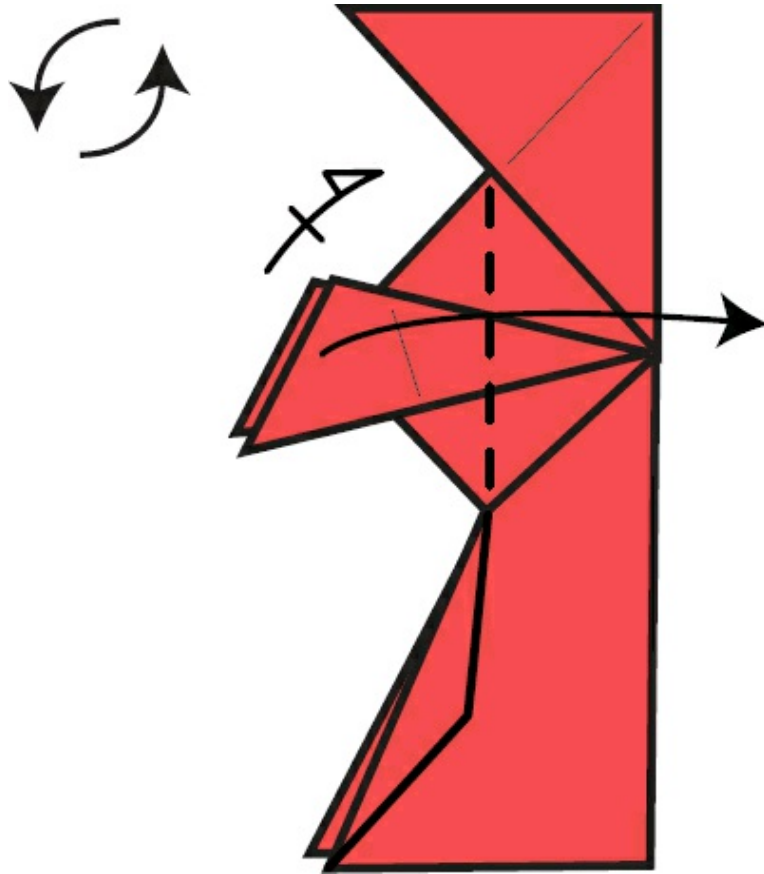
20 Fold in half upwards, opening out a flap on the right.



21 Fold two flaps down.

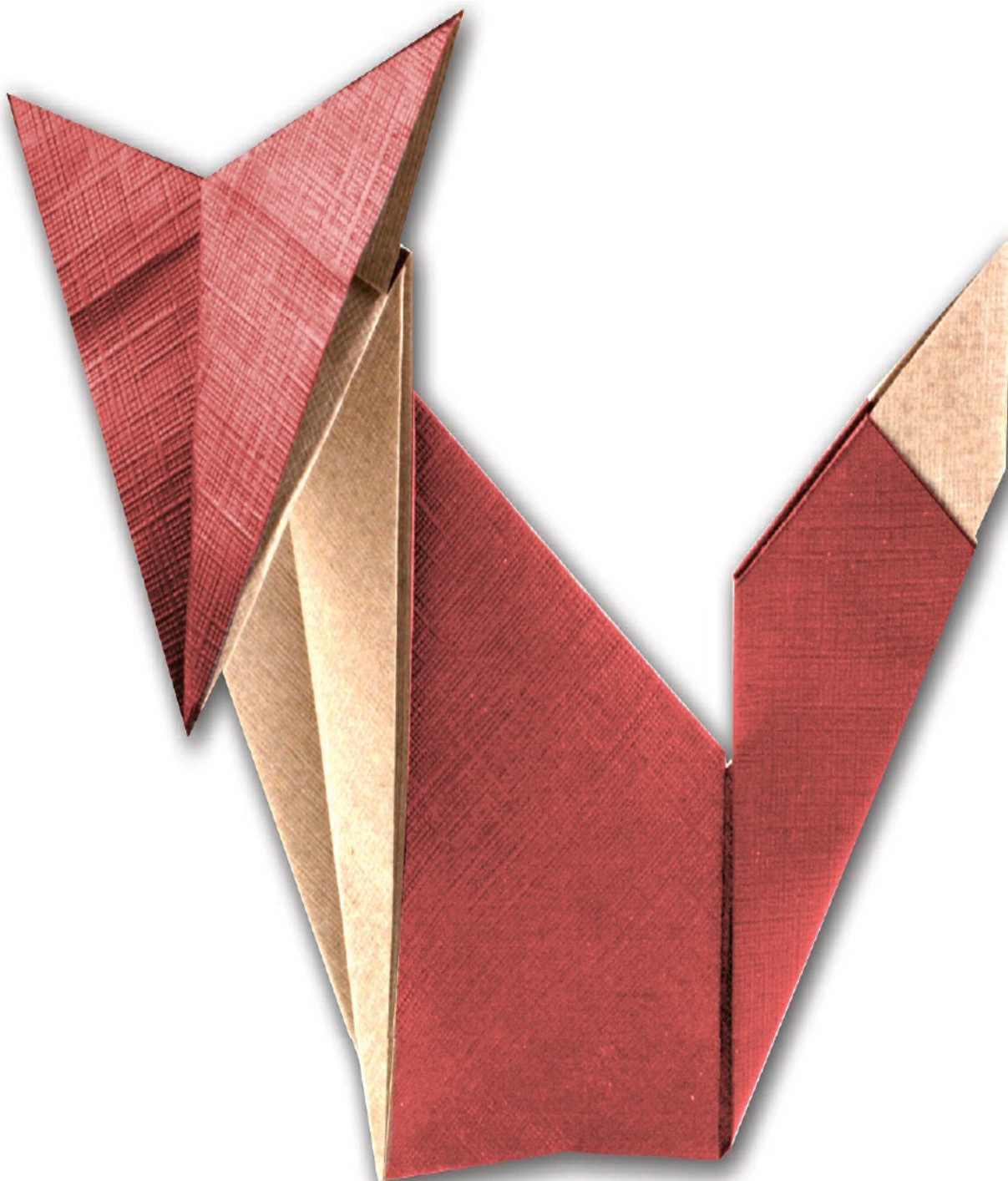


22 Fold two flaps upwards. Rotate the paper.

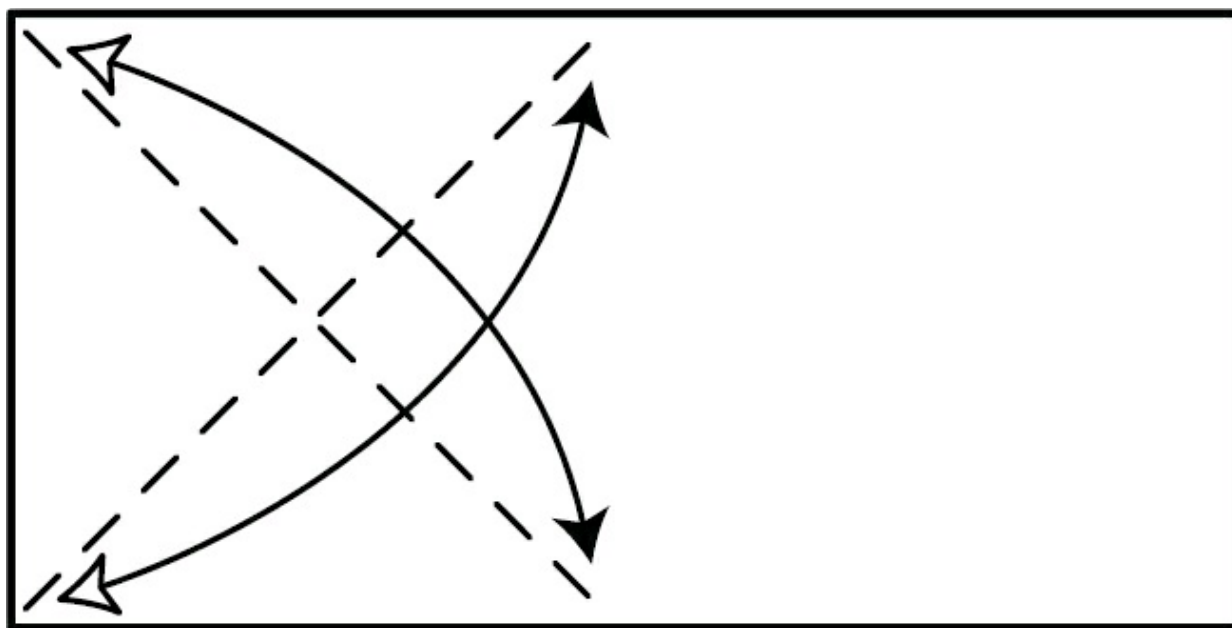


23 Fold two flaps to the right.

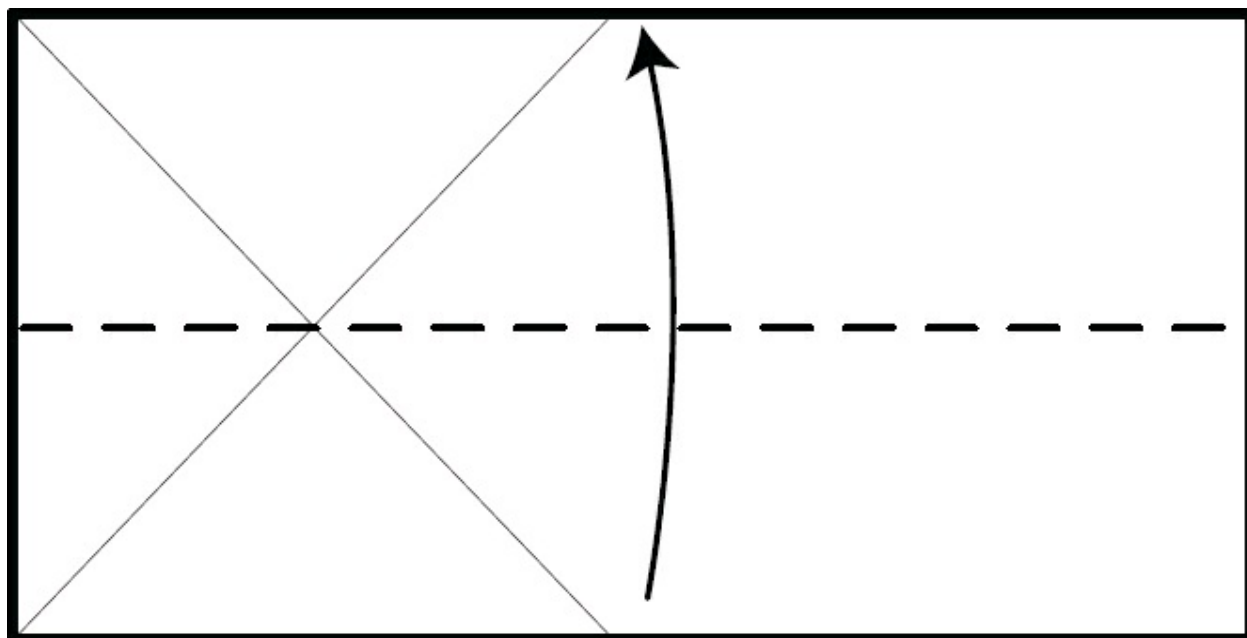
Fox



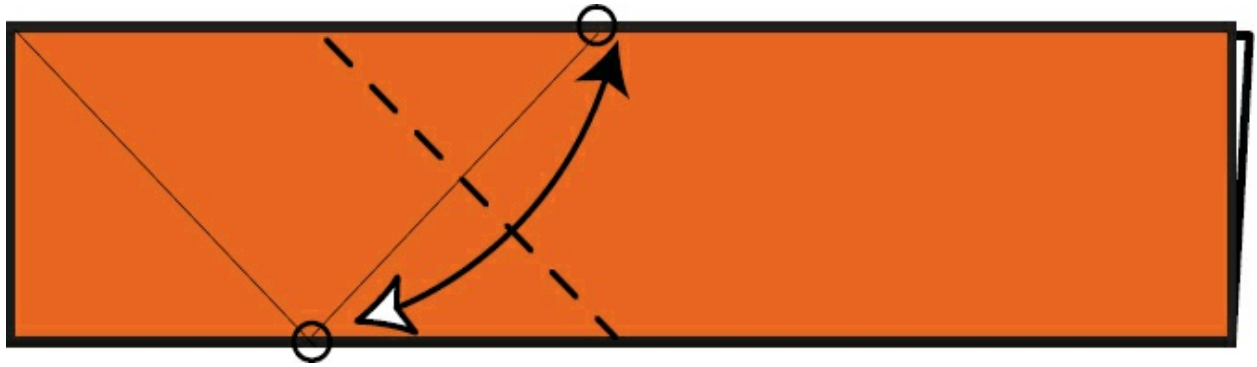
Try to find a nice rich brown or red paper, with some texture, such as the wrapper from inside a decorative box, or even plain brown wrapping paper!



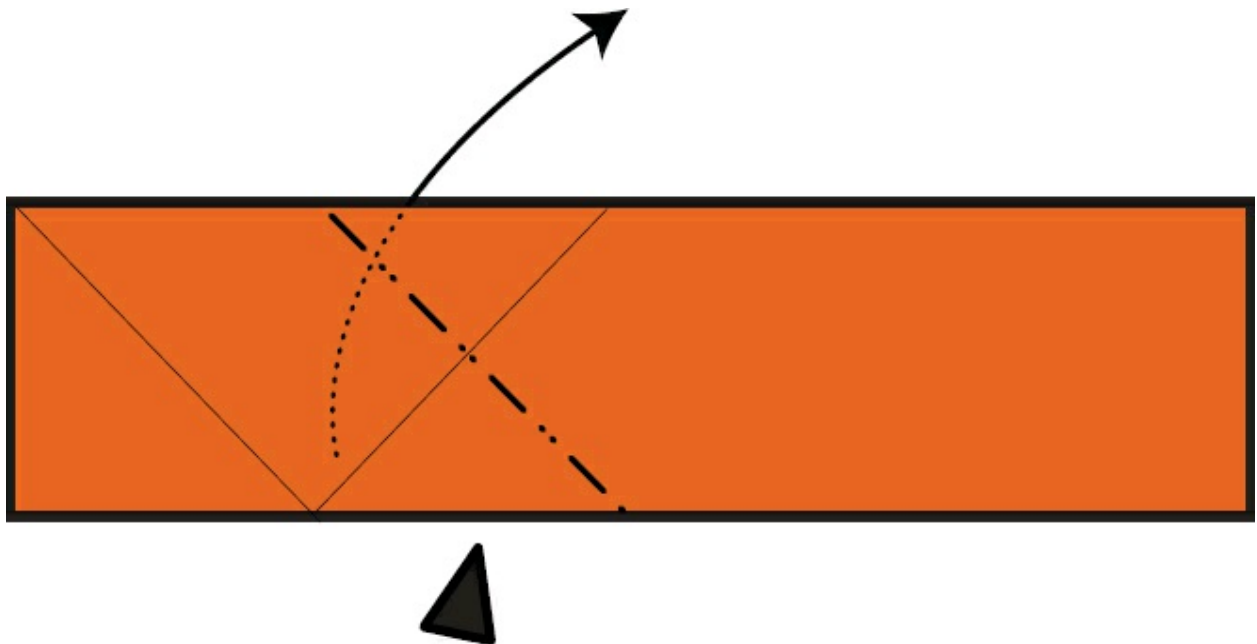
1 Fold the left edge to each long side, creasing and unfolding.



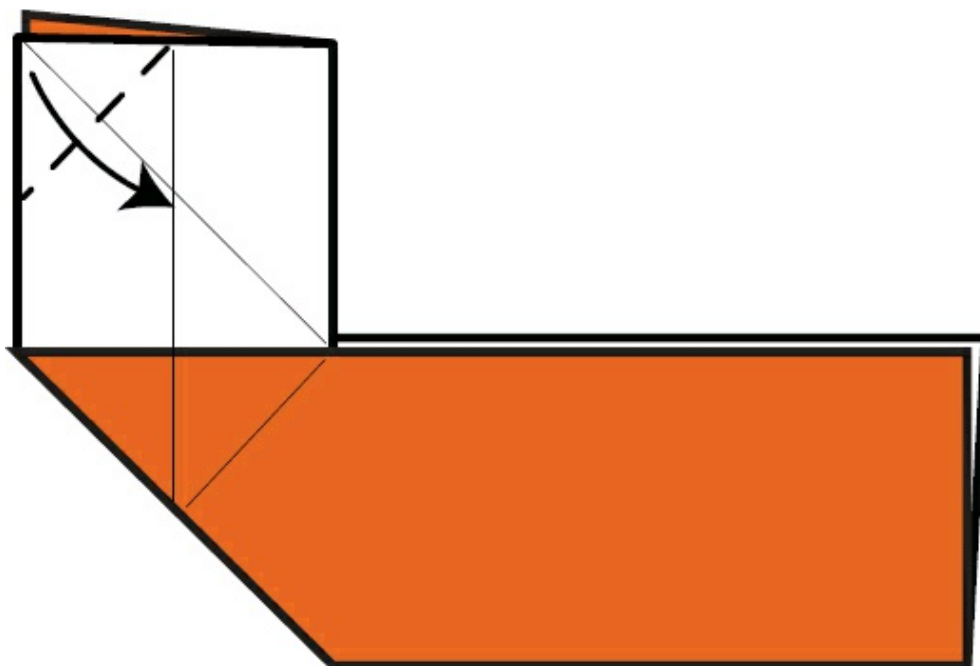
2 Fold in half upwards.



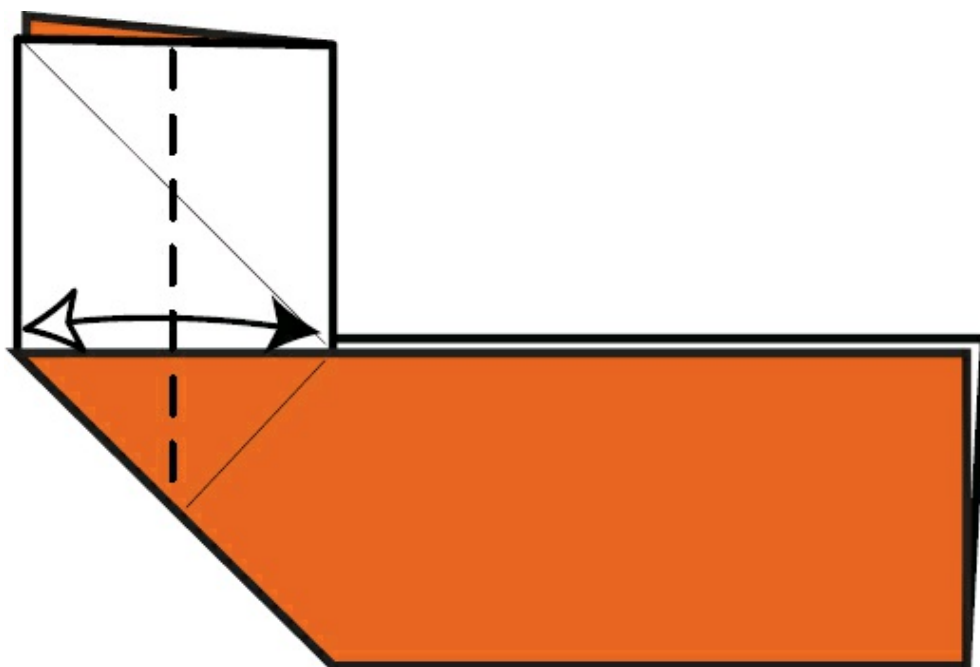
3 Fold the ends of the crease (circled) to meet, crease and unfold.



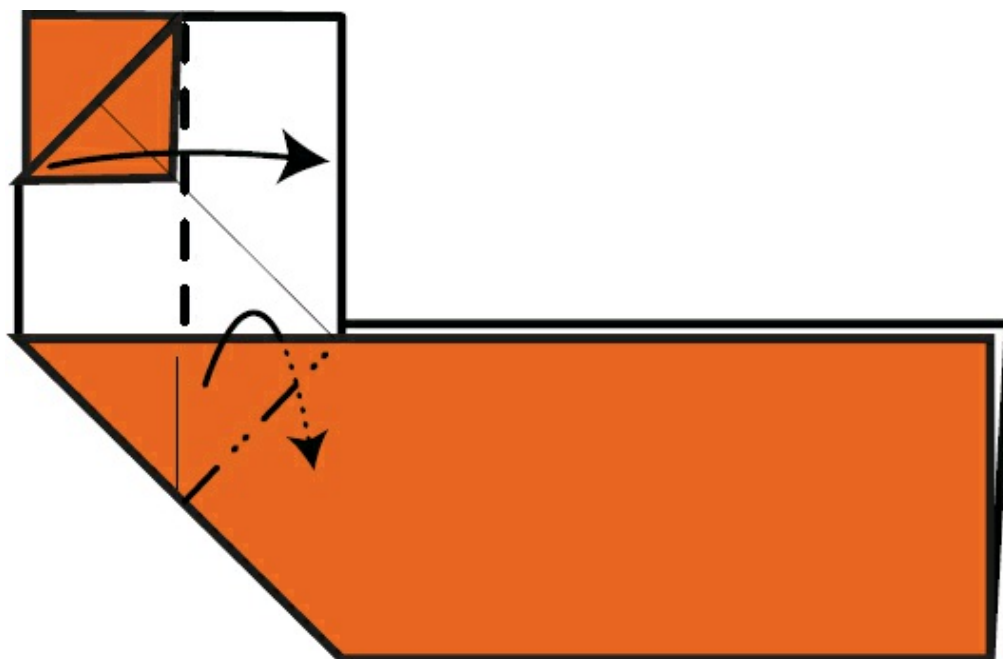
4 Inside reverse the lower section upwards.



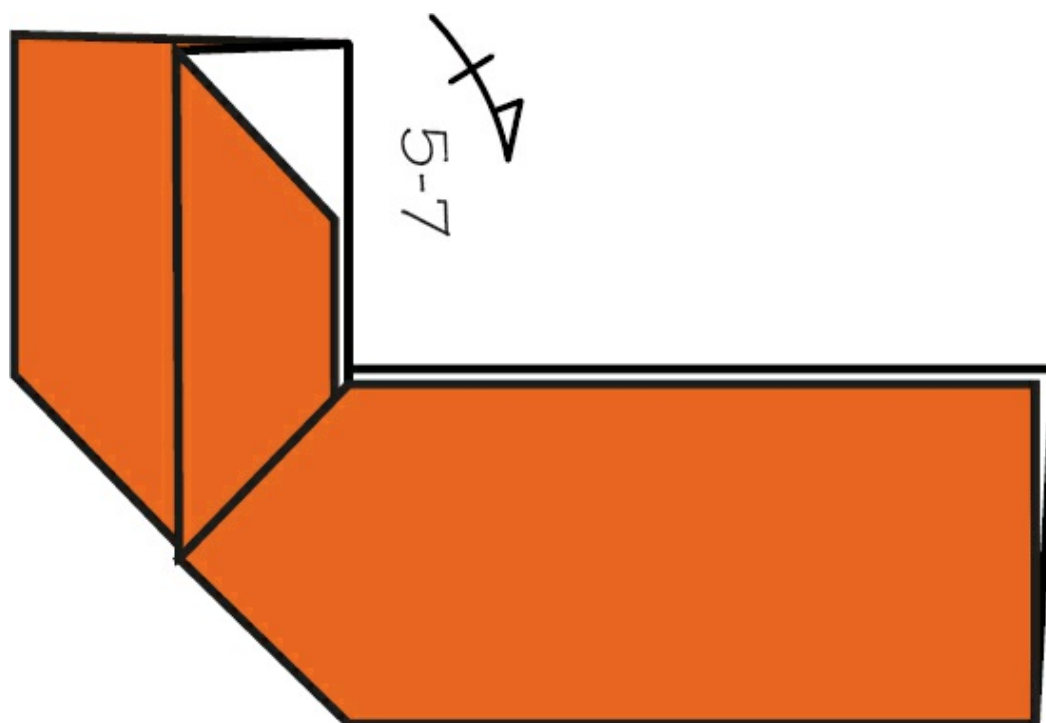
5 Fold the corner to the horizontal crease.



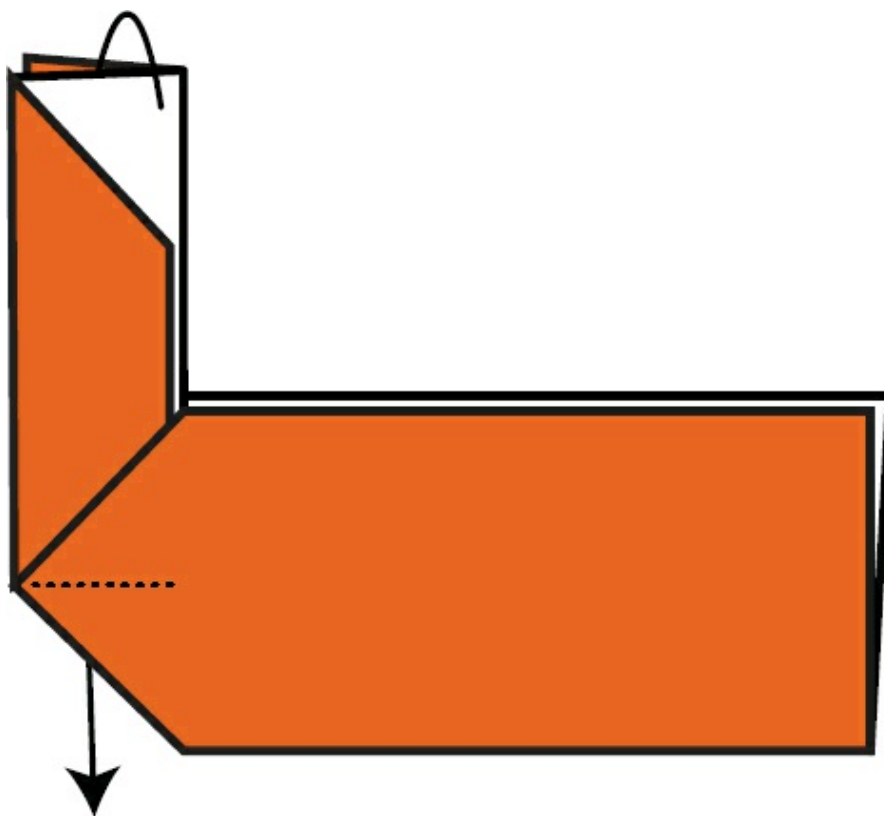
6 Fold the left white edge to the right edge, crease and unfold.



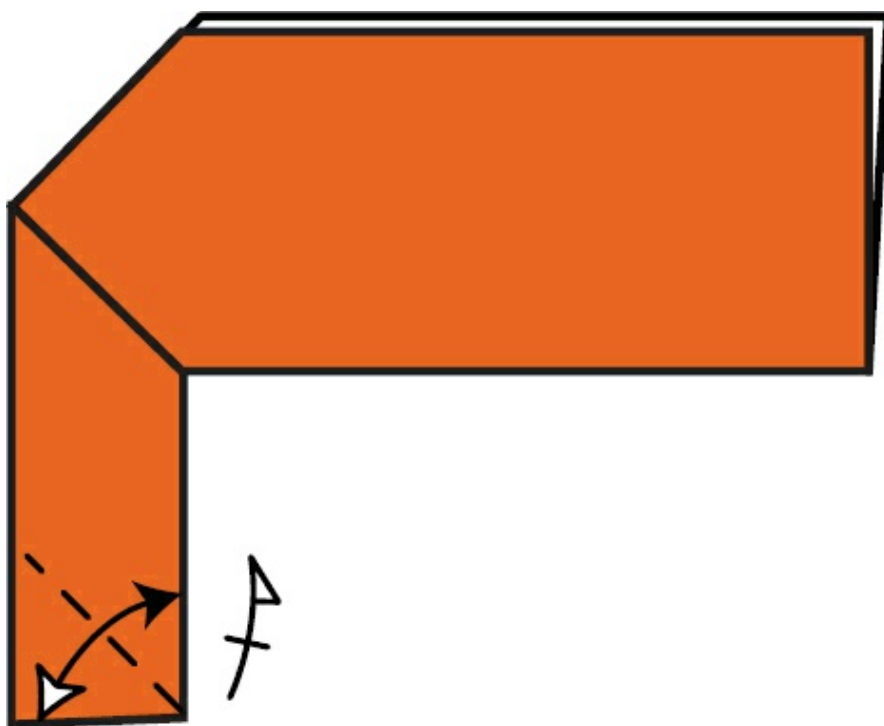
7 Fold the left edge over, tucking paper inside at the bottom.



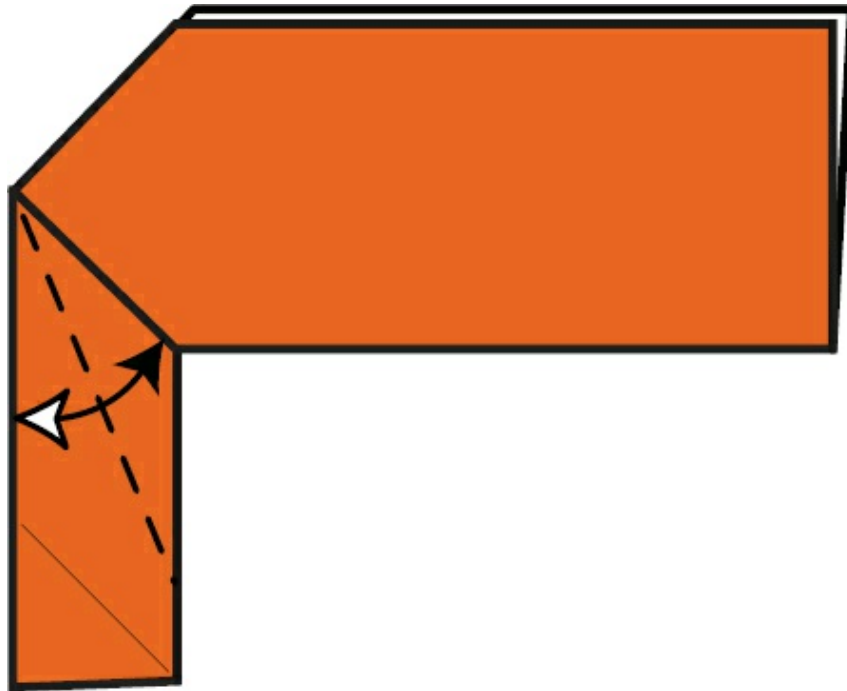
8 Repeat steps 5-7 on the underside.



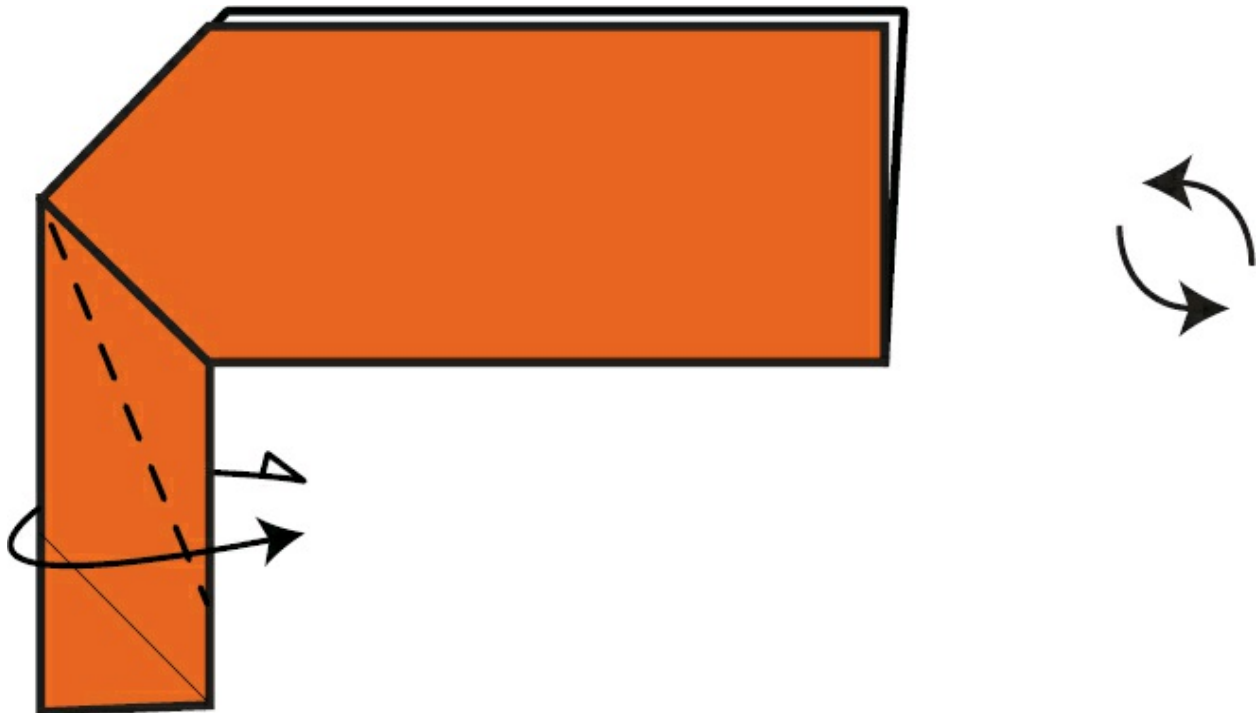
9 Reverse the narrow flap so it points in the other direction.



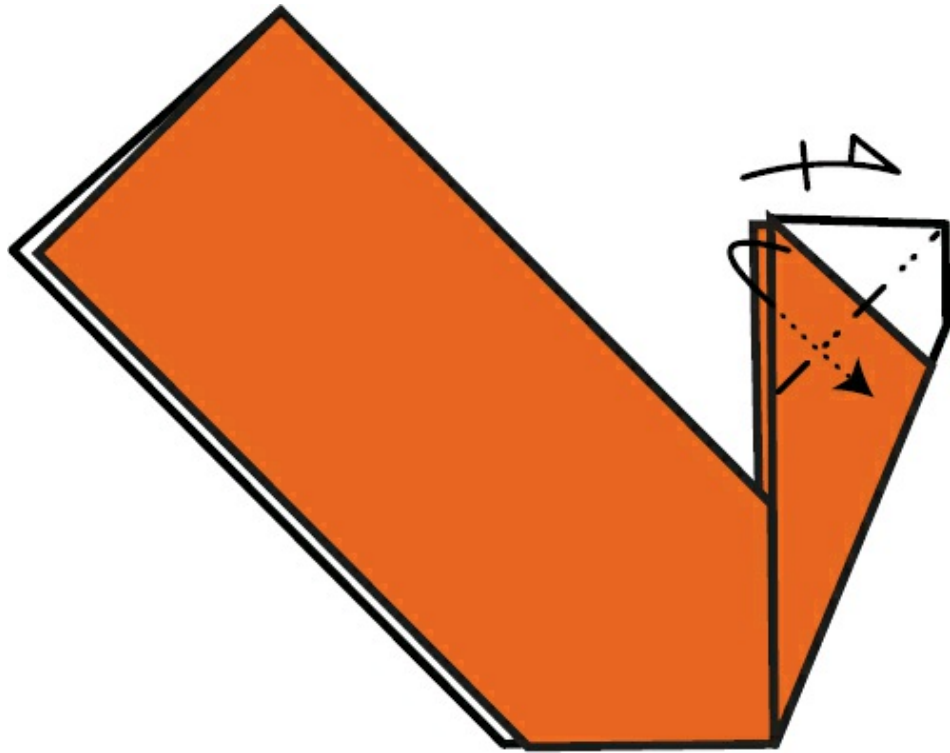
10 Fold the lower corner over, crease and unfold. Repeat underneath.



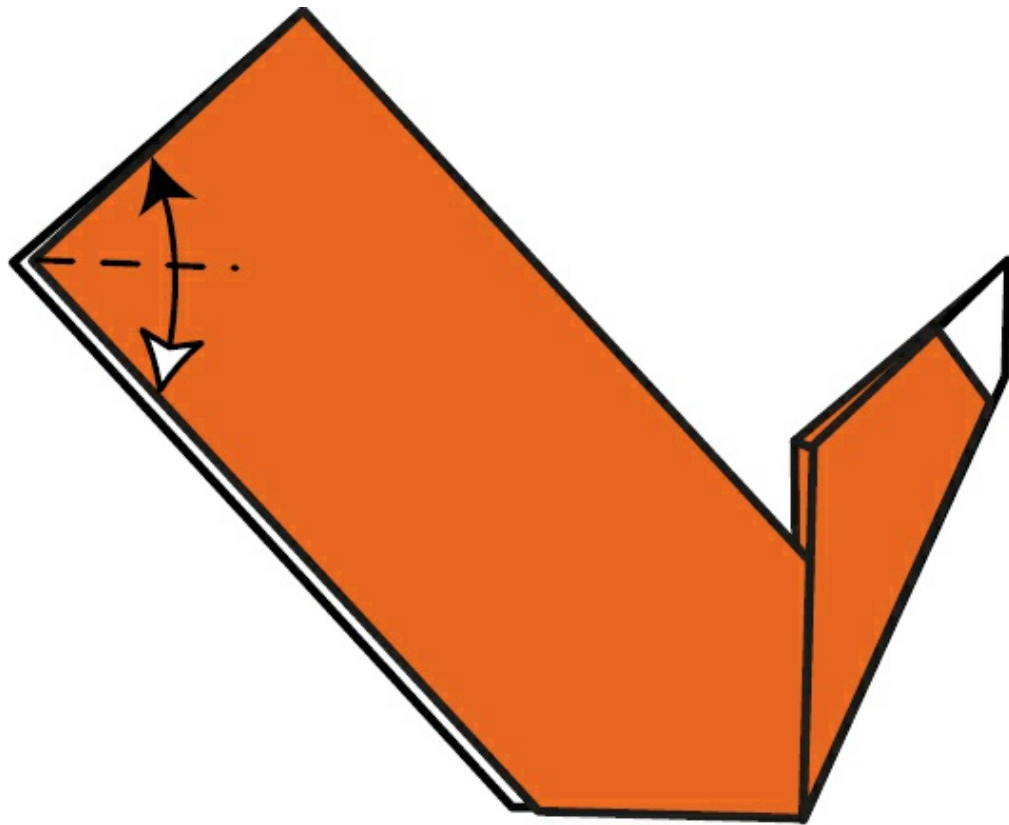
11 Fold the left edge to the folded edge (all layers), crease and unfold.



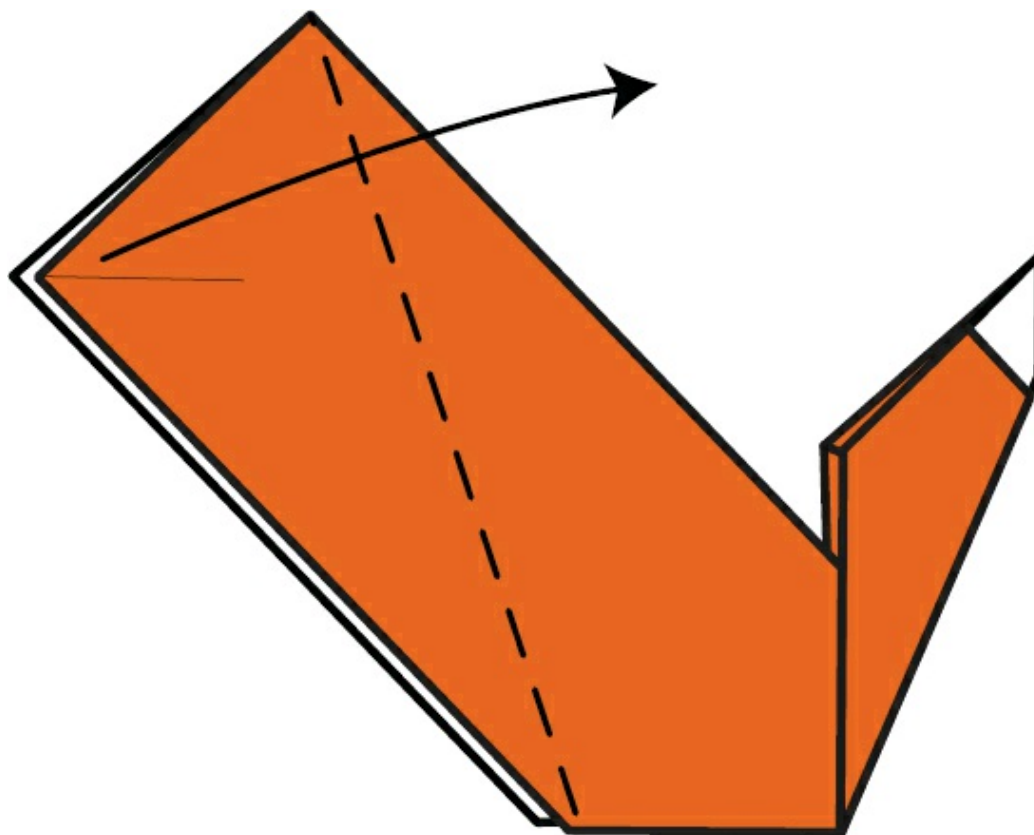
12 Wrap the edges around using an outside reverse fold. Rotate.



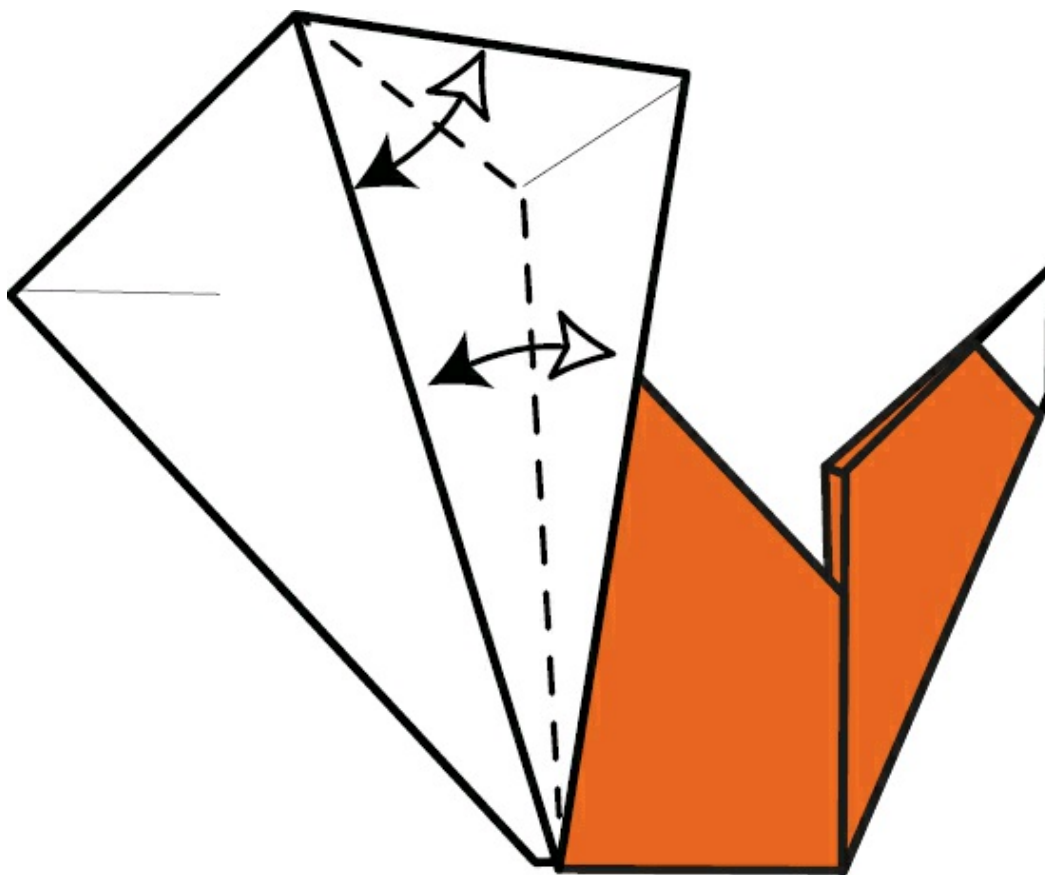
13 Fold the corners inside on existing creases.



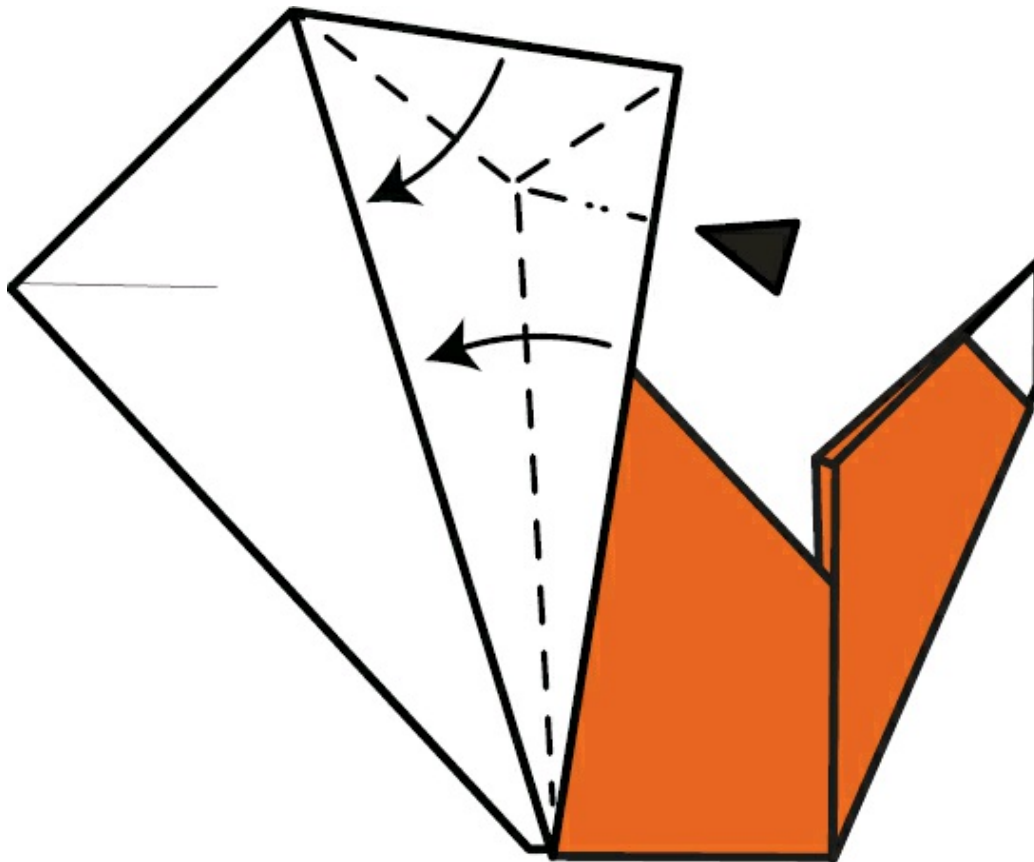
14 Fold edge to edge, creasing where shown (all layers) then unfold.



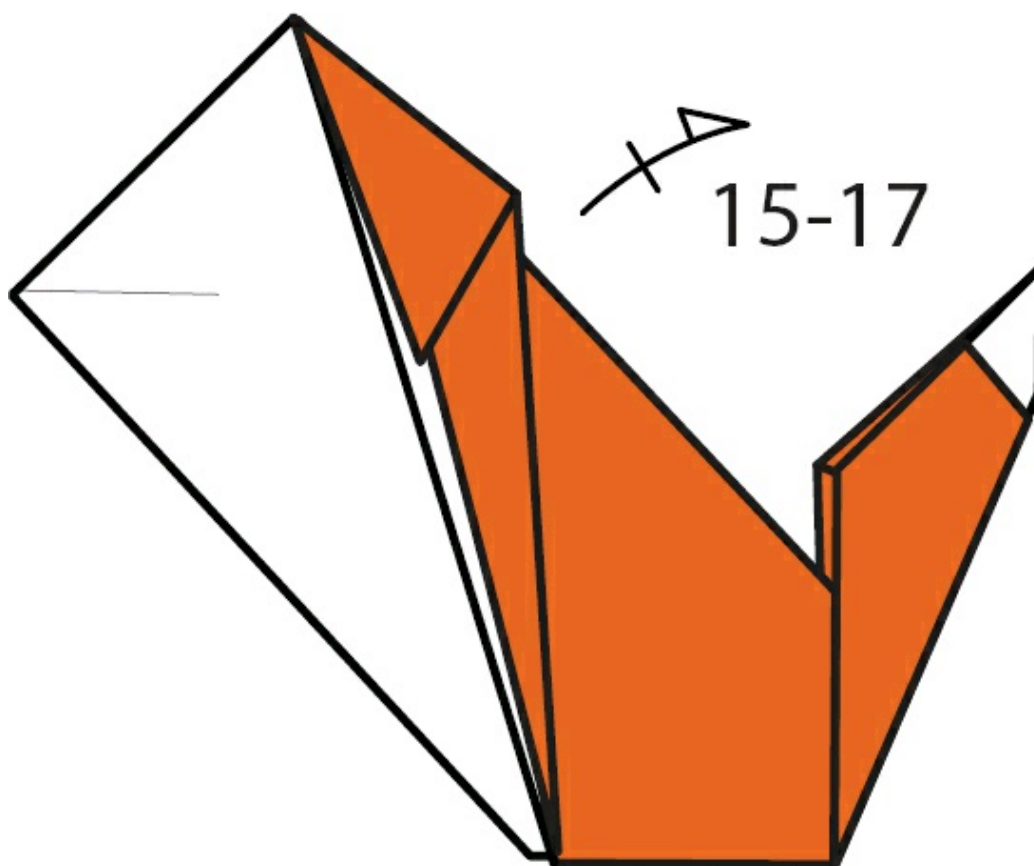
15 Fold a single flap over.



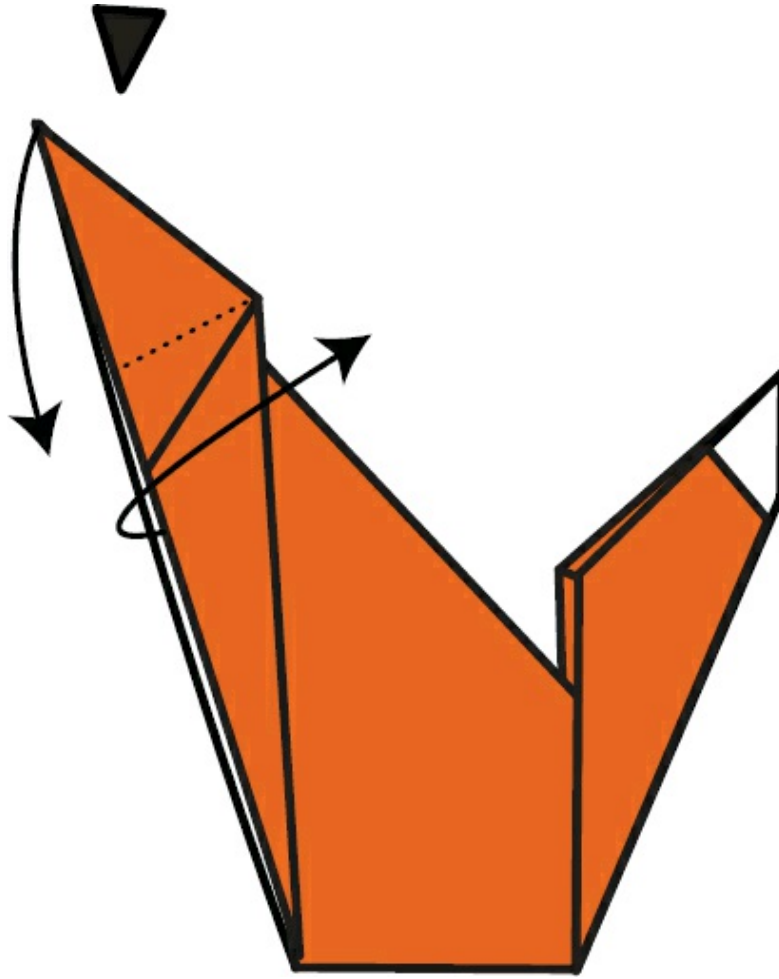
16 Make and unfold two partial creases.



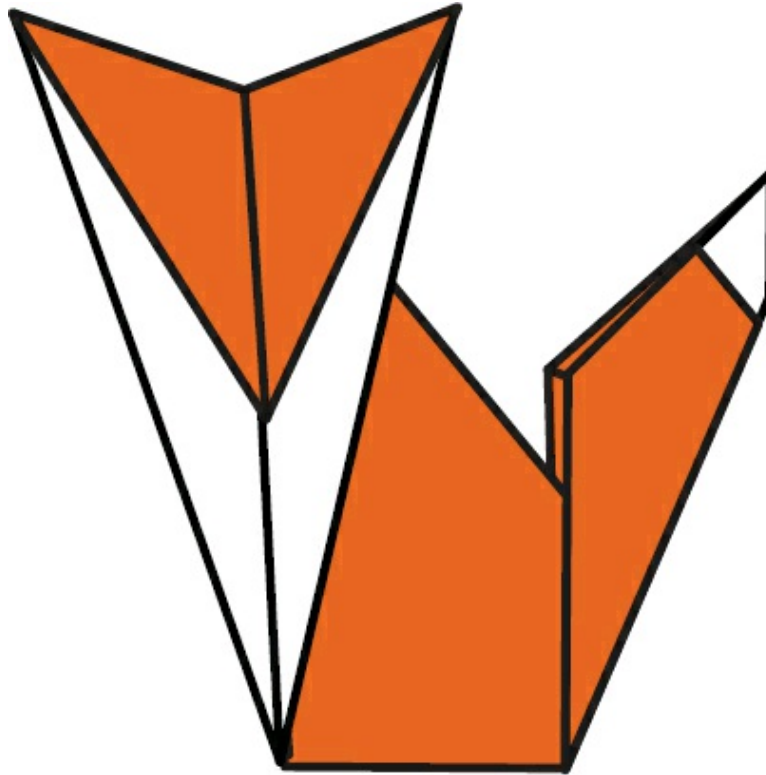
17 Form the creases into a rabbit's ear with the flap downwards.



18 Repeat steps 15-17 on the underside.



19 Open the layers evenly, folding the head down and the ears up!

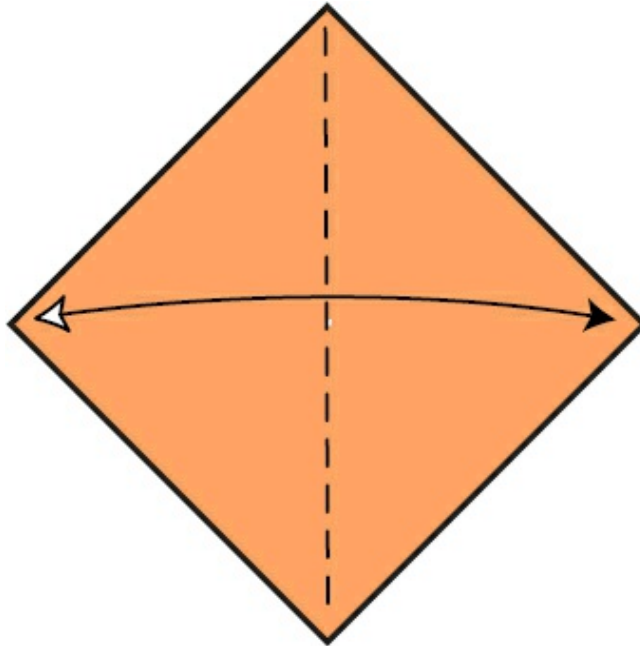


20 The result.

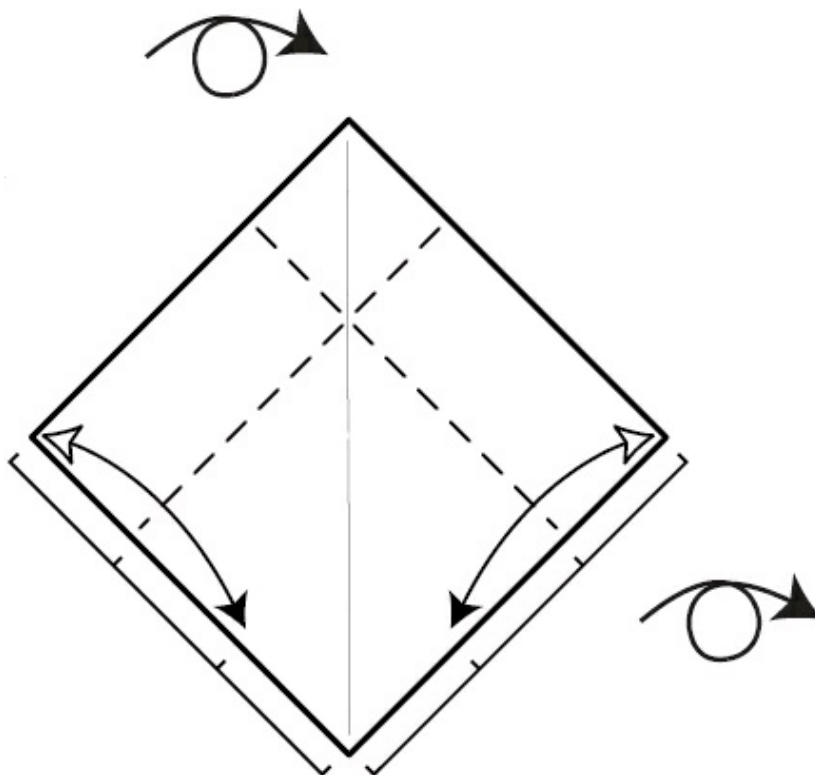
Koala



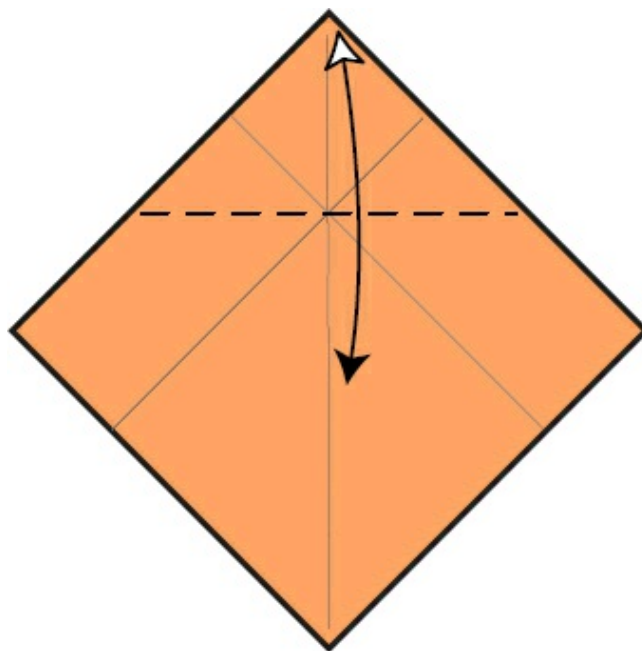
Brown paper bags are perfect for folding cute koalas, especially if you can find one with an interesting texture.



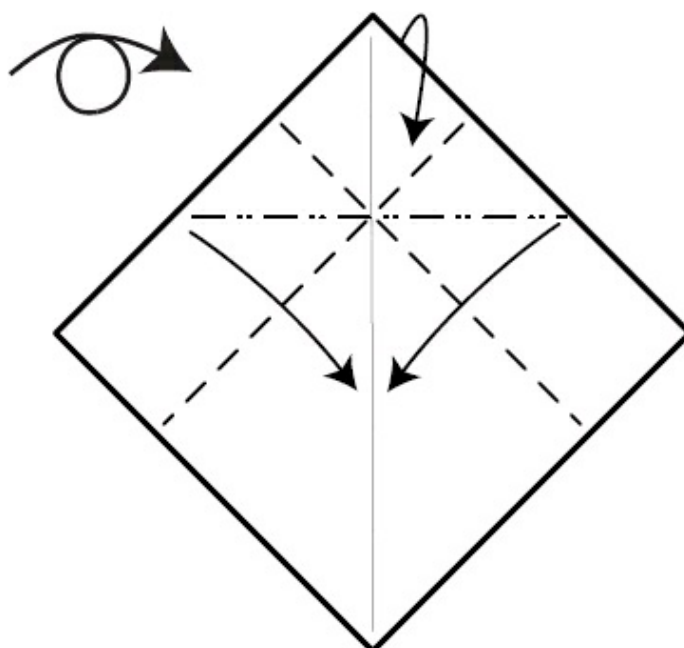
1 Fold a diagonal, crease and unfold. Turn over.



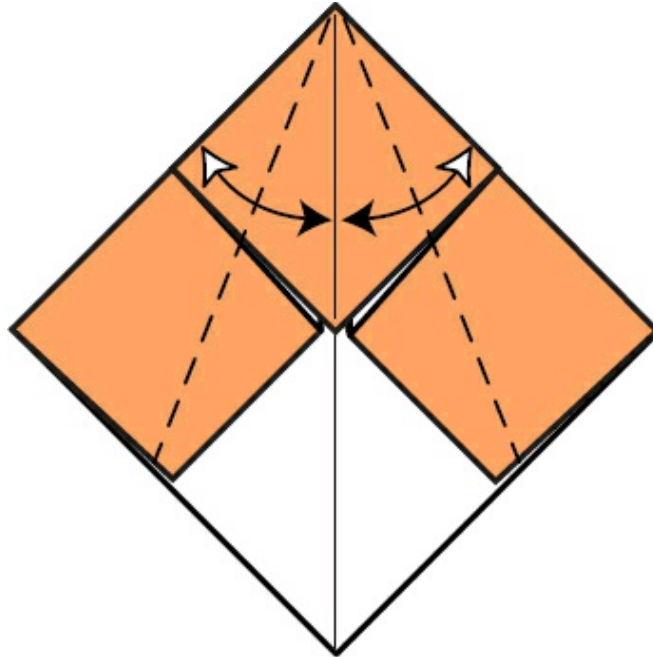
2 Make two valleys about one third in from a corner. Turn over.



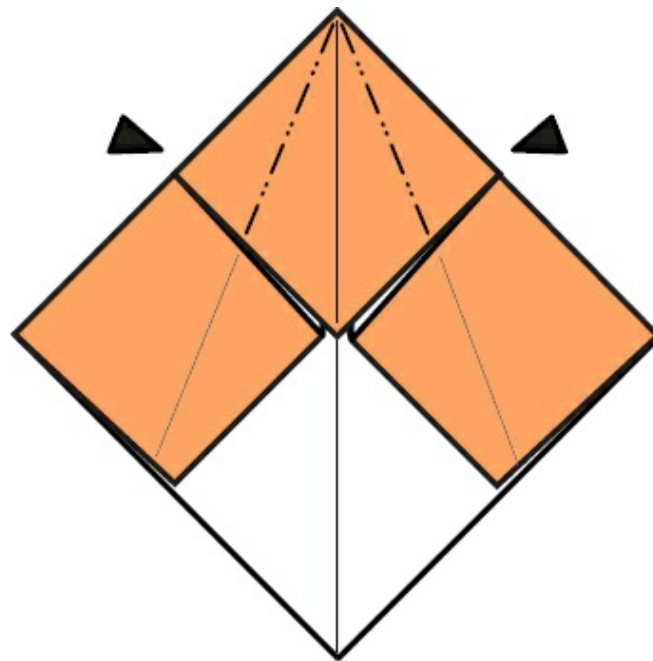
3 Crease and unfold. The crease passes through the intersection. Turn over.



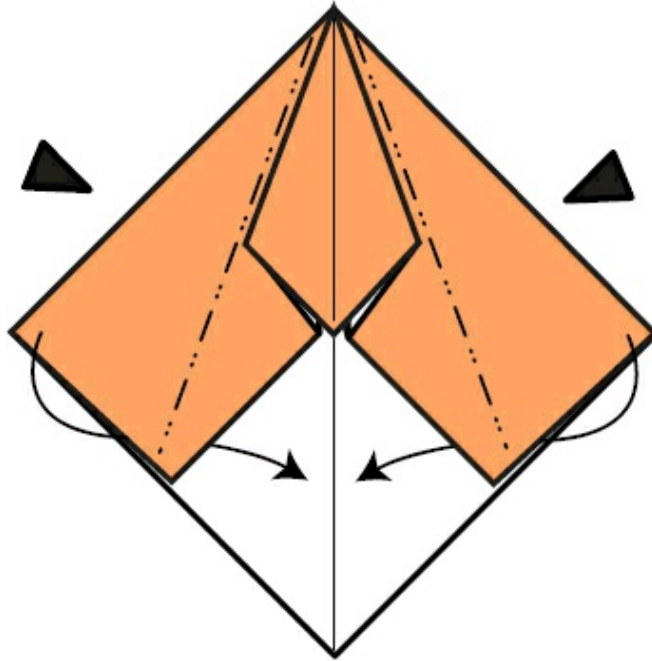
4 Collapse the paper downwards.



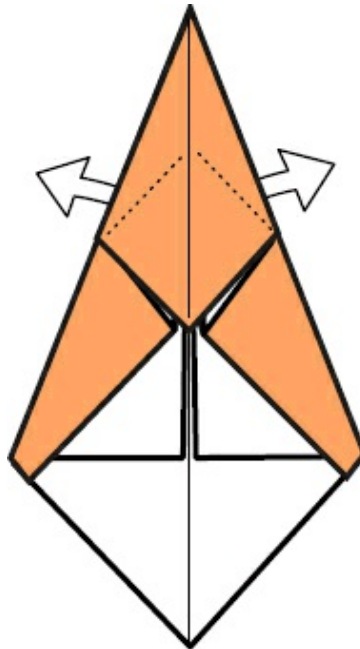
5 Fold the upper edges to the vertical center, crease firmly then unfold.



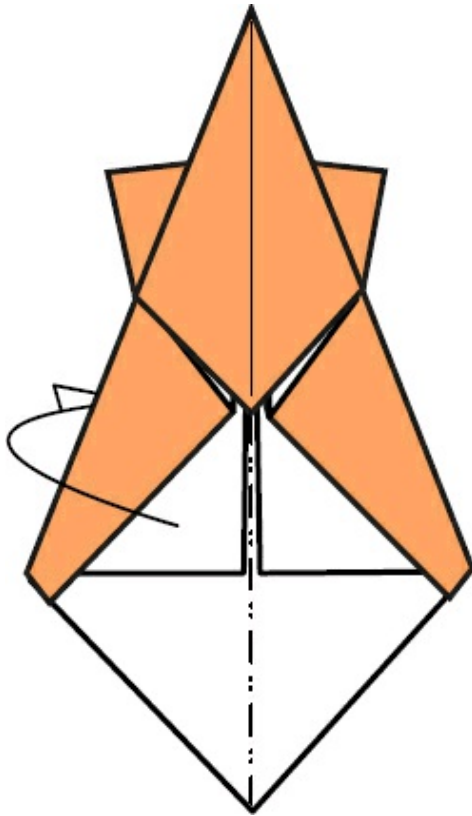
6 Reverse the upper flaps inside.



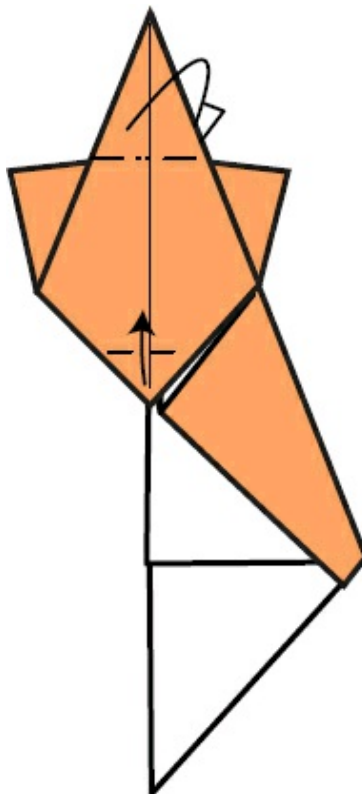
7 Now reverse the lower flaps as well.



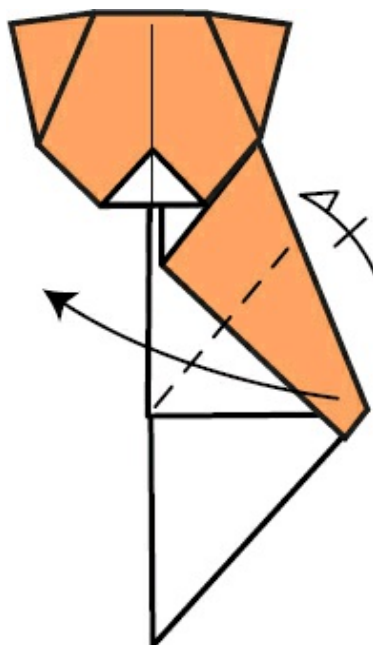
8 Pull out flaps from inside and flatten to form ears.



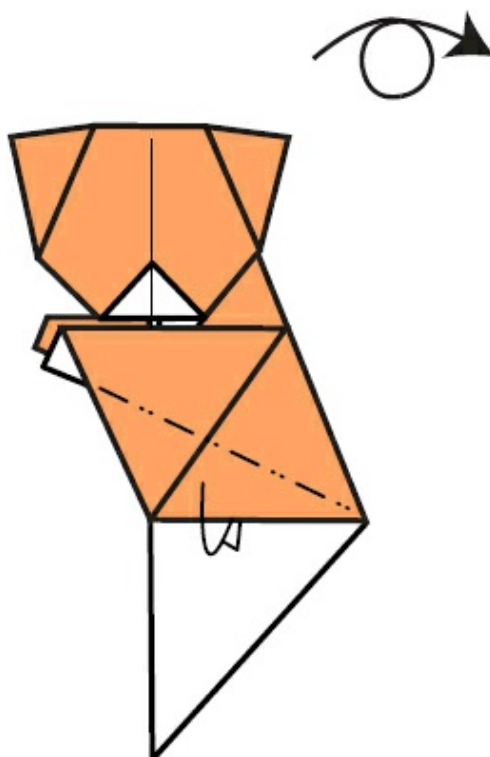
9 Fold the lower half behind.



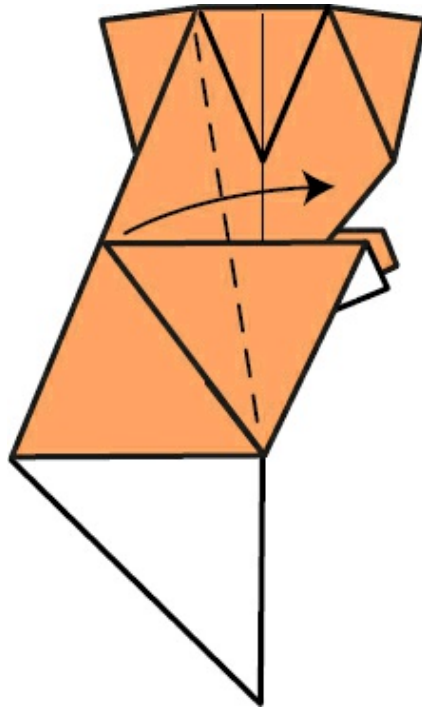
10 Fold the nose upwards and the top point behind.



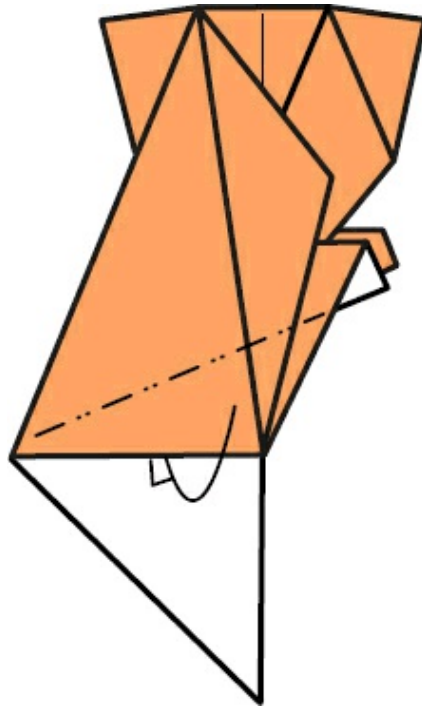
11 Fold a flap over front and back.



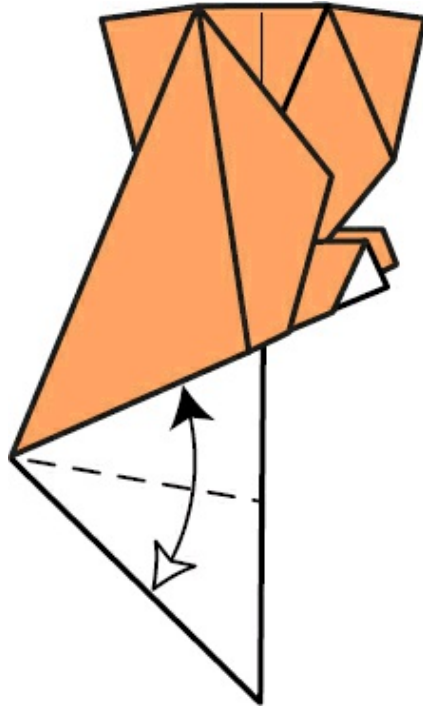
12 Tuck a flap inside. Turn over.



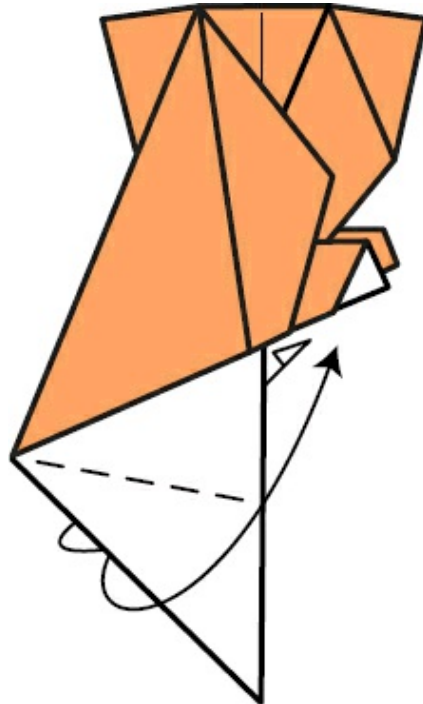
13 Fold a flap to the right.



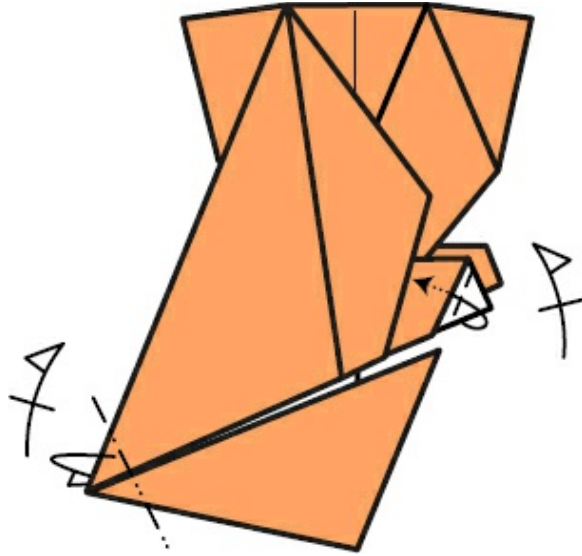
14 Tuck a flap underneath.



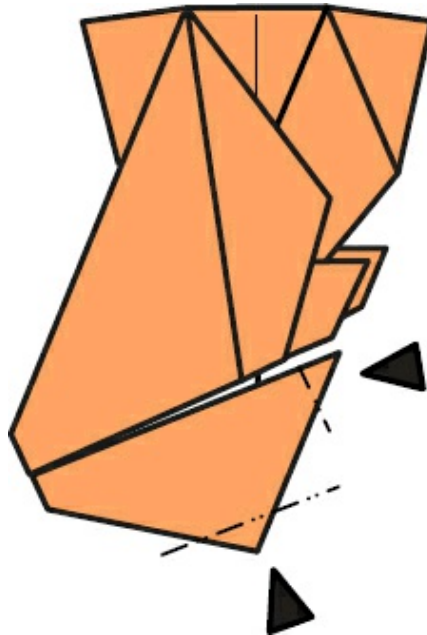
15 Crease and unfold.



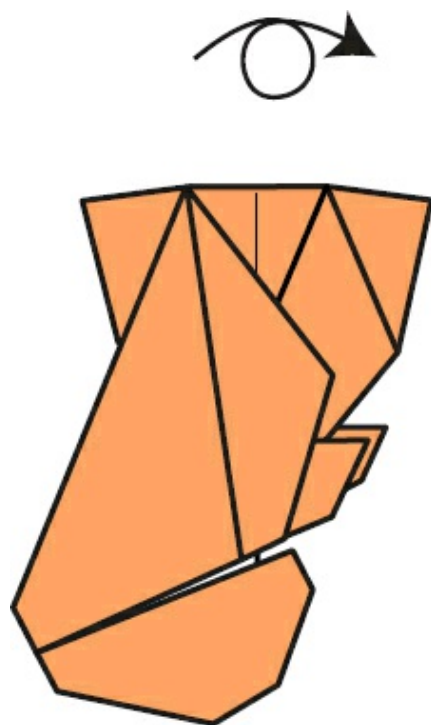
16 Outside reverse the flap.



17 Tuck the rear corners inside, fold the paws inside also.



18 Reverse fold two points inside.

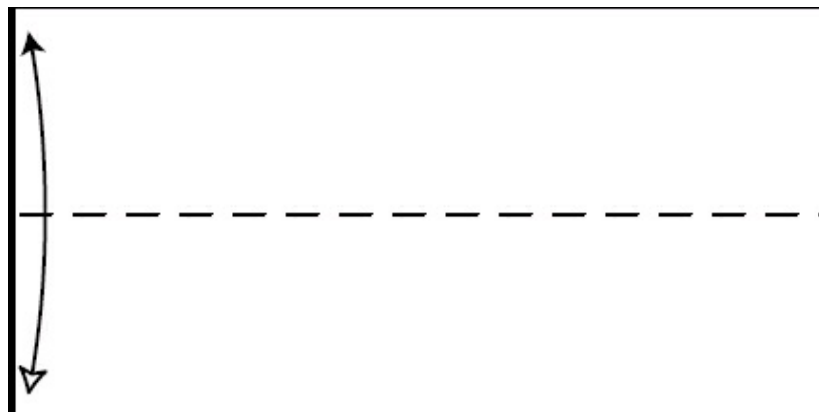


19 The result. Turn over.

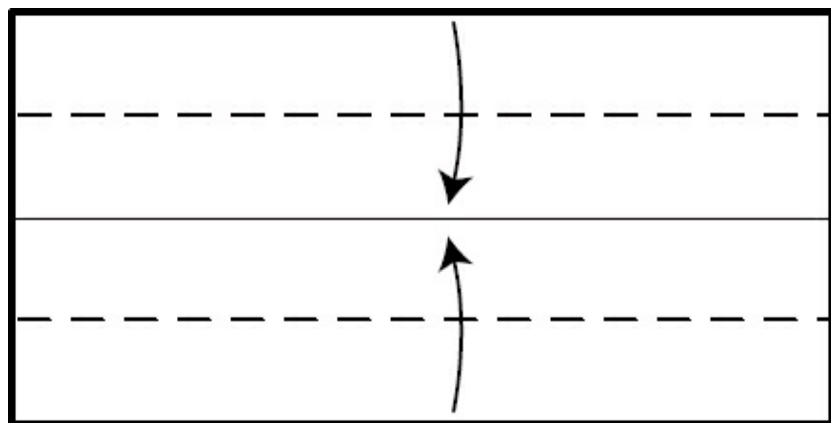
XYZ



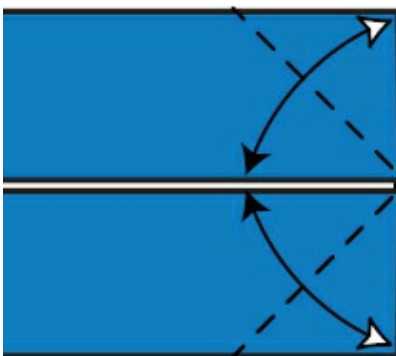
You can construct this example of three-dimensional planes using any type of rectangle, including a square.



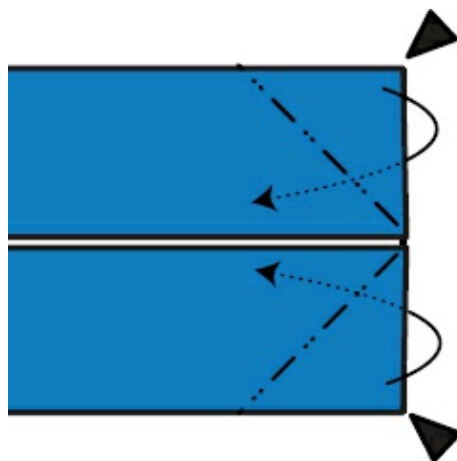
- 1 Fold in half, crease and unfold.



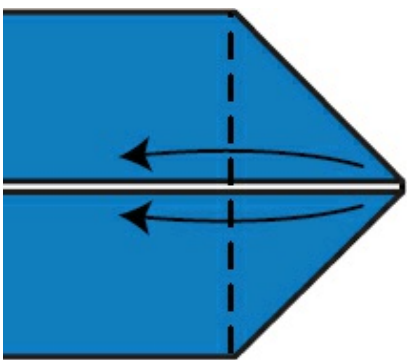
2 Fold two sides almost to the center. This makes assembly easier.



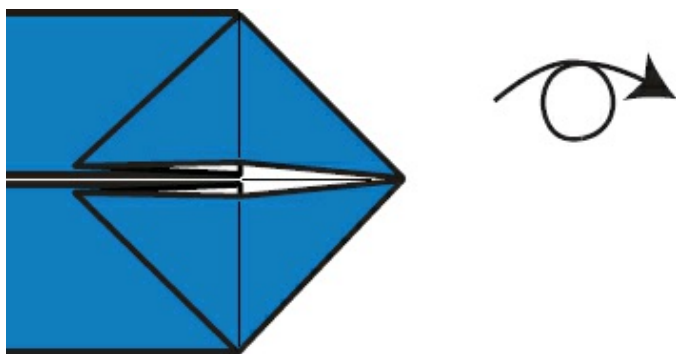
3 (One end shown.) Crease and unfold.



4 Reverse the corners inside.



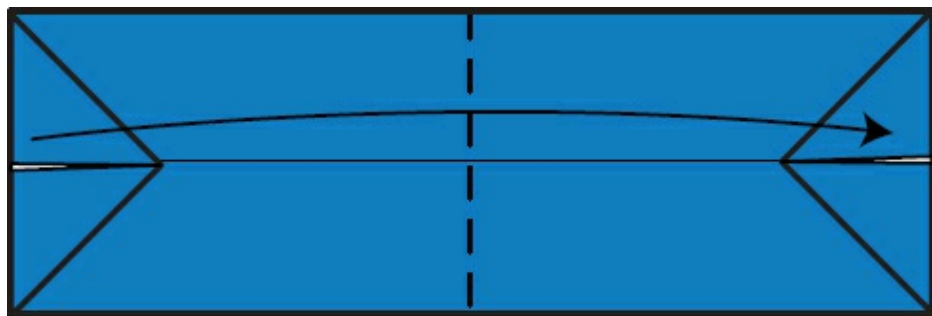
5 Fold the corners to the left.



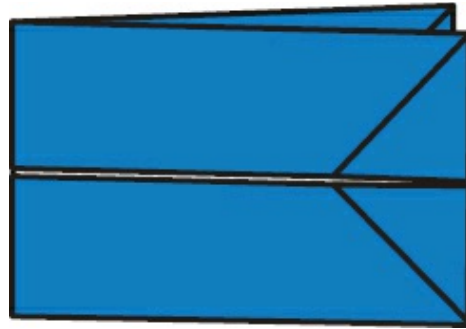
6 The result. Repeat at the other end then turn over.



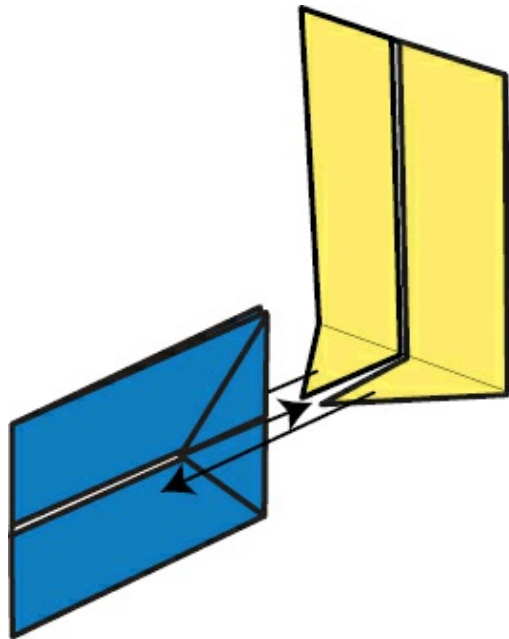
7 Fold single corners inwards.



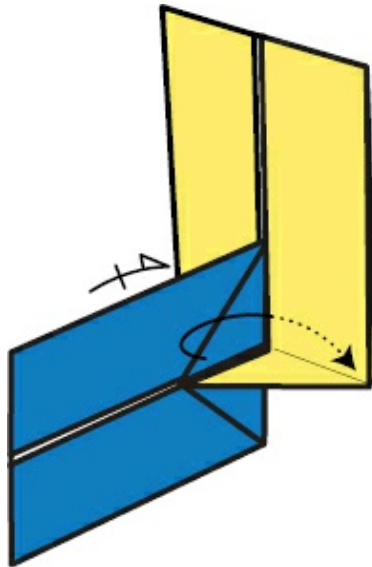
8 Fold in half.



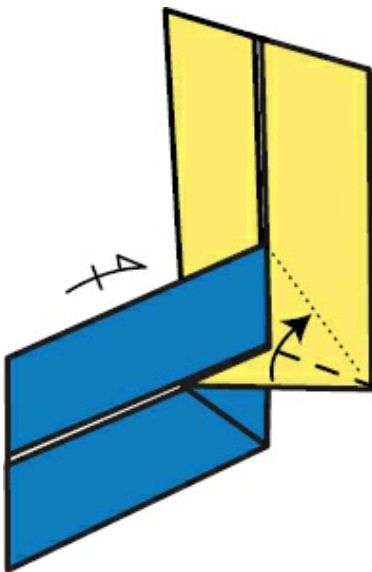
9 Complete. Make 5 more.



10 Interlock two units.

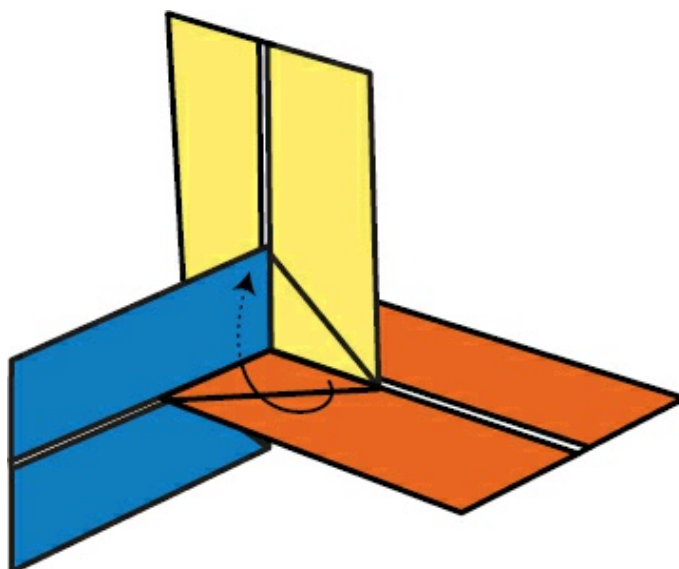


11 Tuck the blue flaps behind yellow layers.

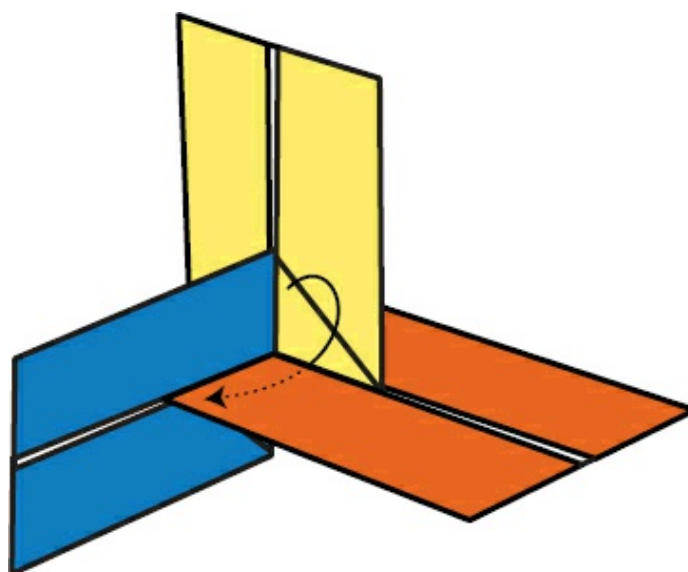


12 Fold the yellow flaps upwards.

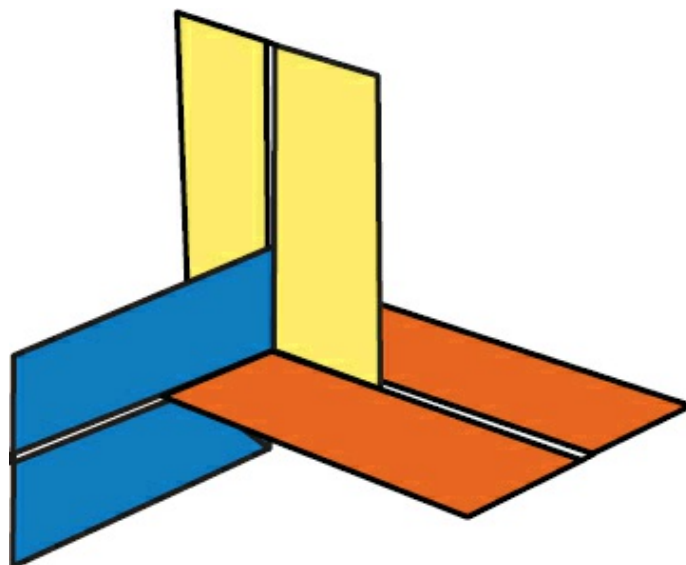
The units become trickier to assemble as you progress. At the early stages you can swing flaps over at 90 degrees to make life easier. Having a narrow tool of some kind to ease flaps under layers can be useful.



13 Add a third unit and tuck the orange flap under a blue layer.



14 Tuck a yellow flap under an orange layer.

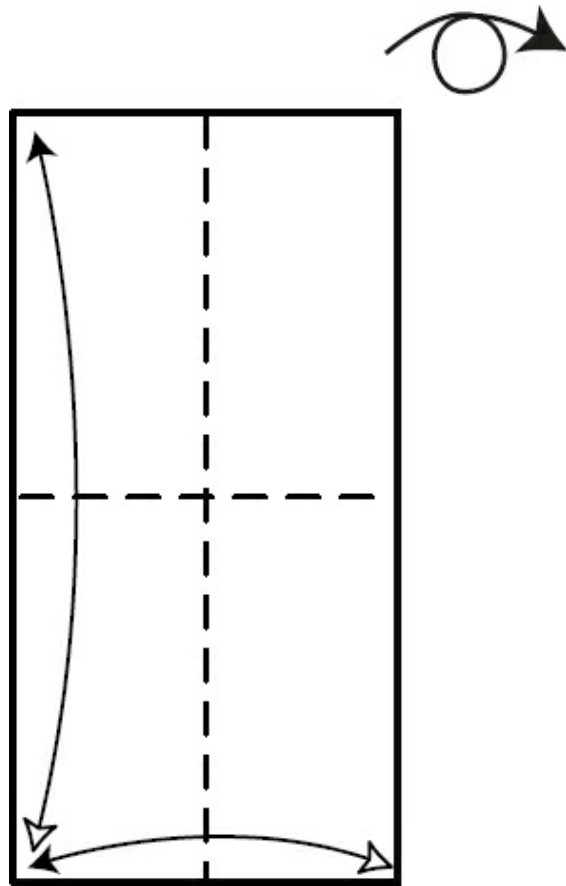


15 3 units joined. Add the others in the same way.

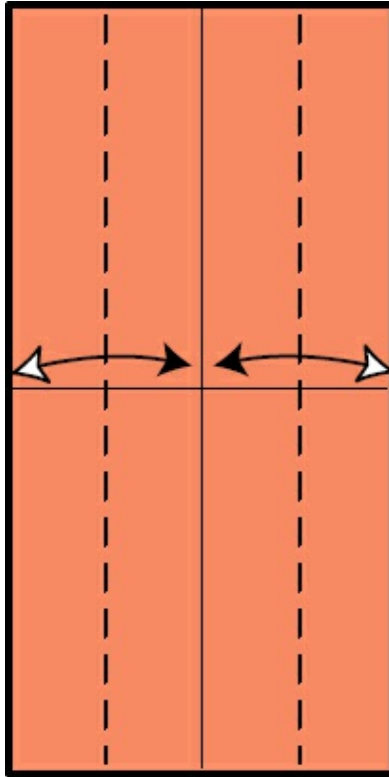
Double Pajarita



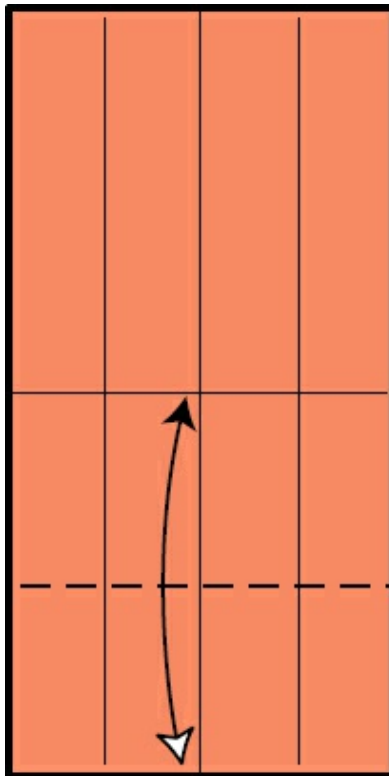
“Pajarita” means “little bird” in Spanish. The traditional design has been adapted in many ways, including this doubleheaded version. You need a 2x1 rectangle to begin with.



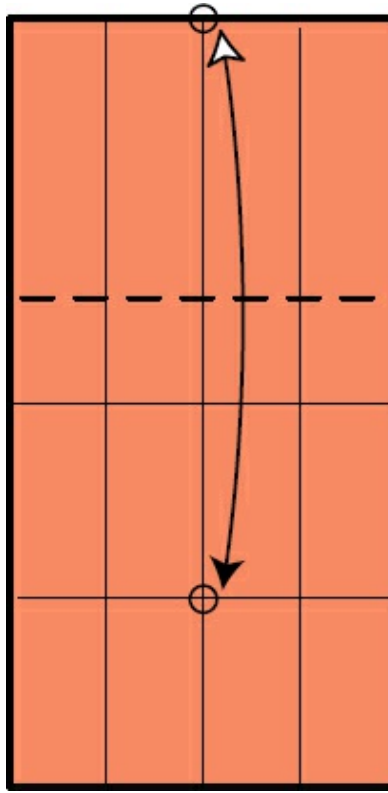
- 1 Fold in half, crease and unfold, in both directions. Turn the paper over.



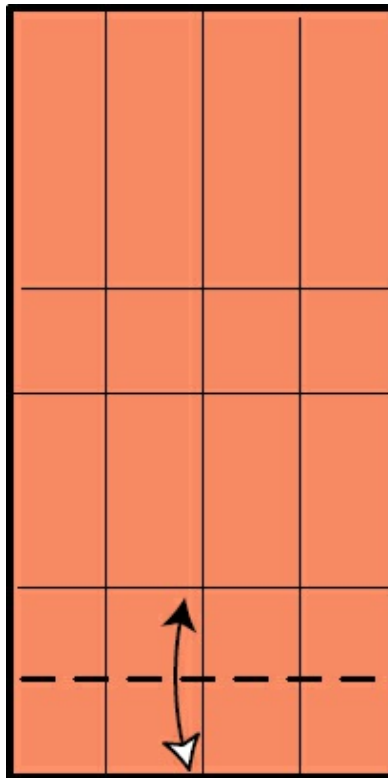
2 Crease and unfold the long quarter creases.



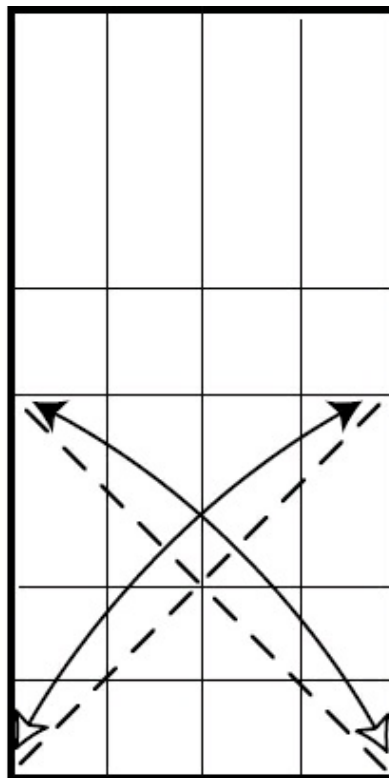
3 Crease and unfold the lower quarter crease.



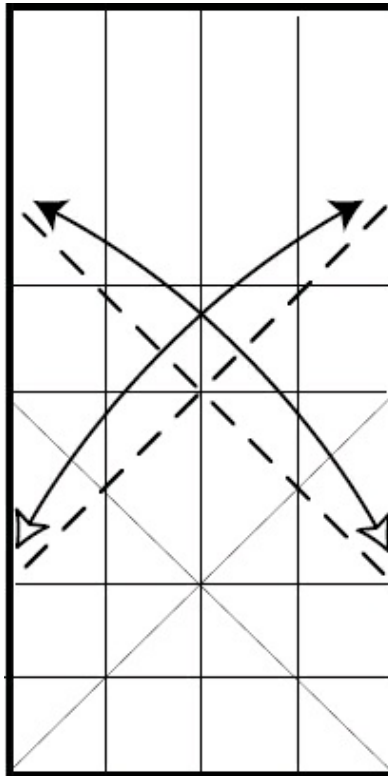
4 Fold so the circled points meet, crease and unfold.



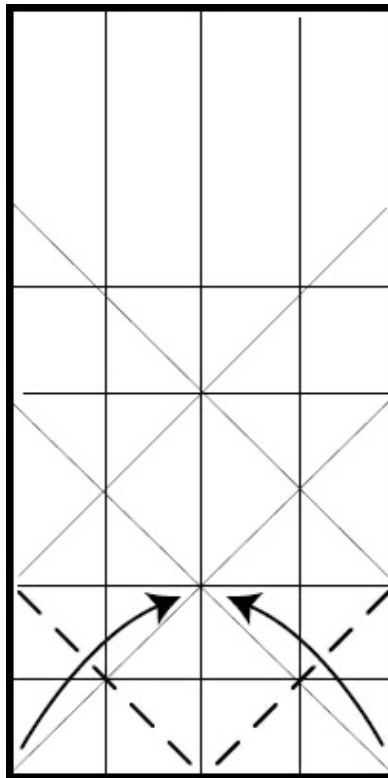
5 Crease and unfold the lower quarter crease. Turn the paper over.



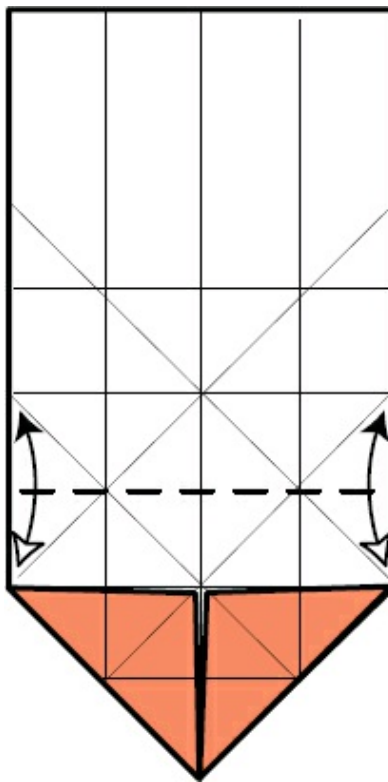
6 Crease and unfold two lower diagonals.



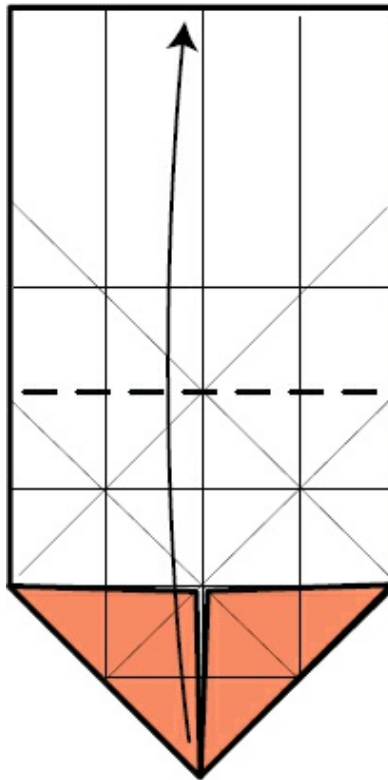
7 Make two more diagonal pre-creases.



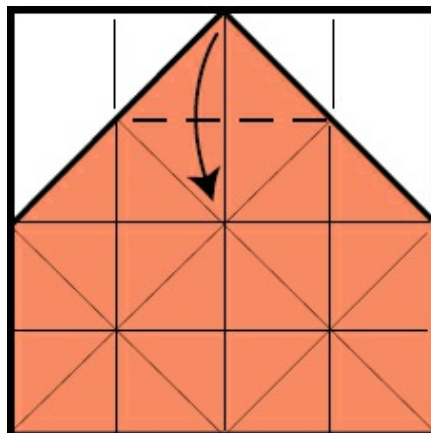
8 Fold in the lower corners.



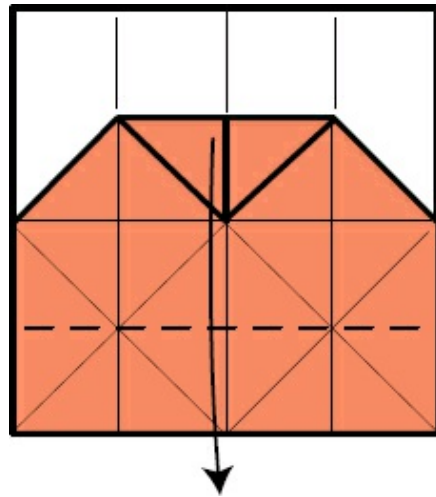
9 Make a horizontal pre-crease.



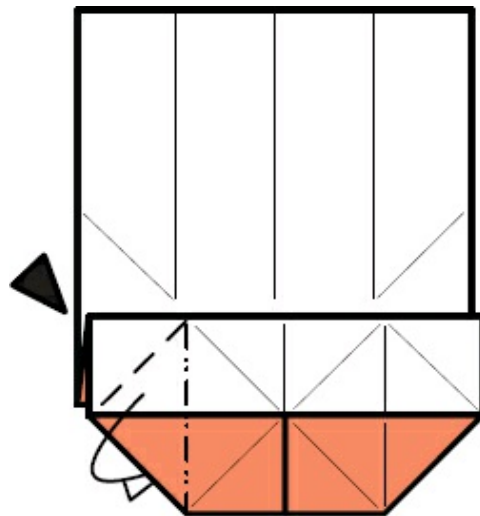
10 Fold in half upwards.



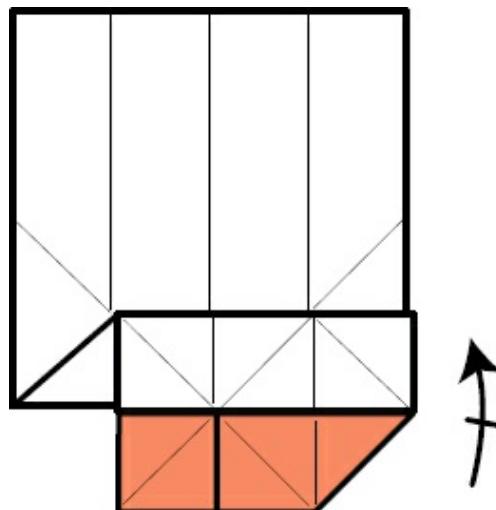
11 Fold down the colored corner.



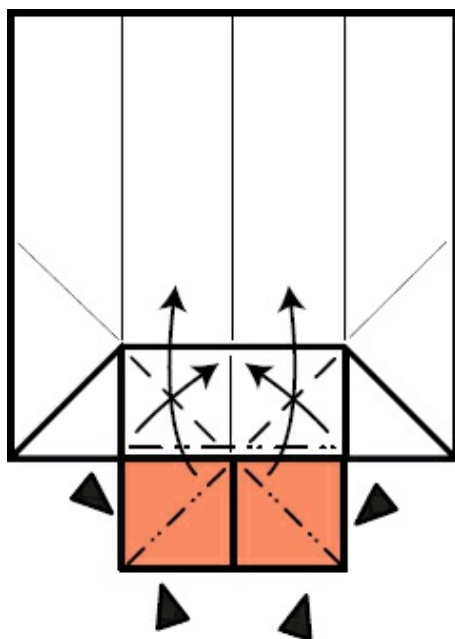
12 Fold downwards.



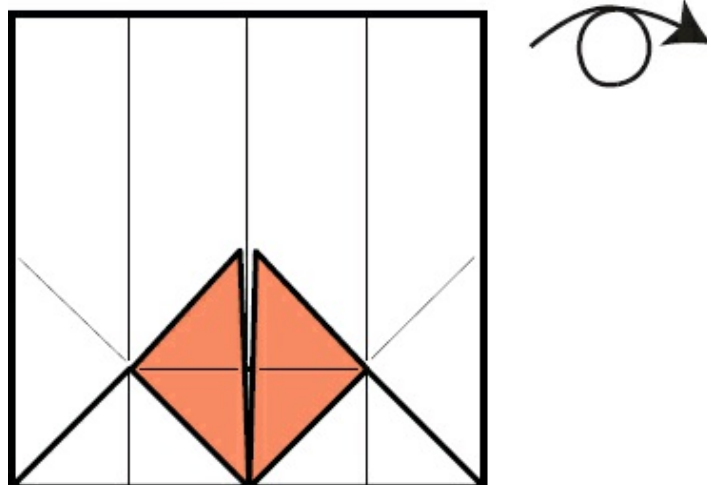
13 Fold paper inside.



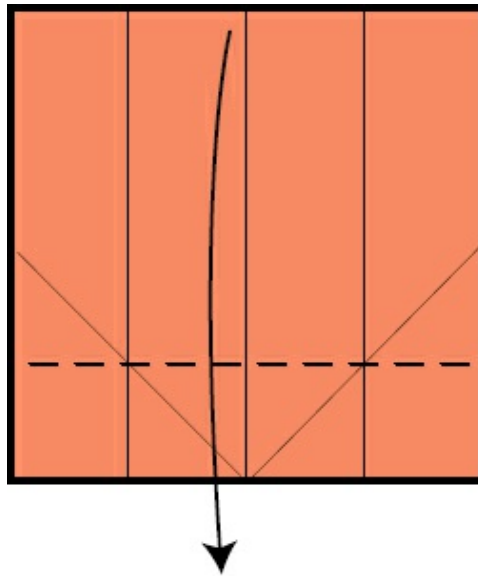
14 Repeat on the right.



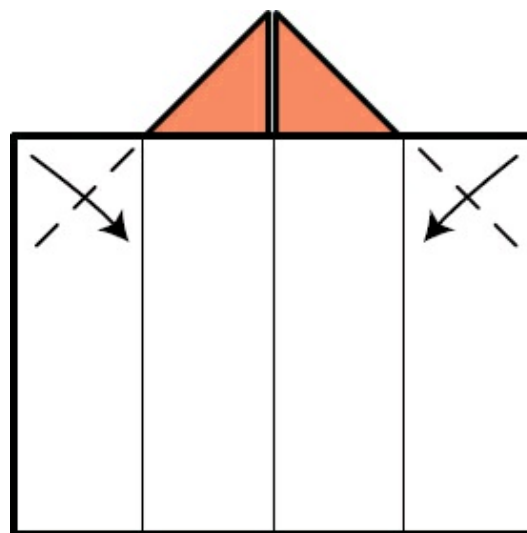
15 Squash the lower squares, then fold the colored section upwards.



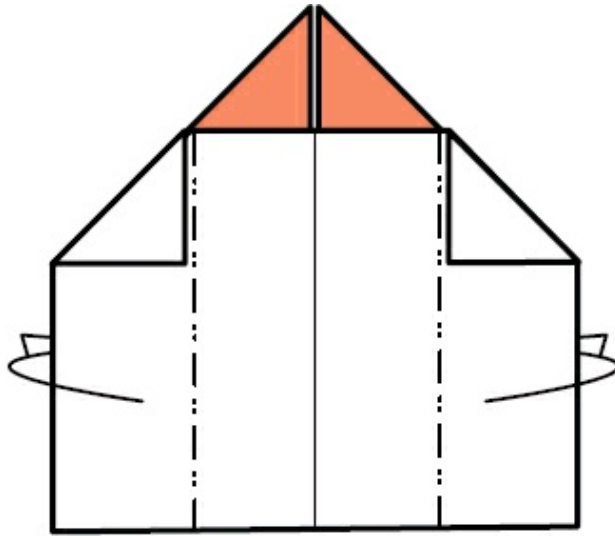
16 The result (well done!) Turn the paper over.



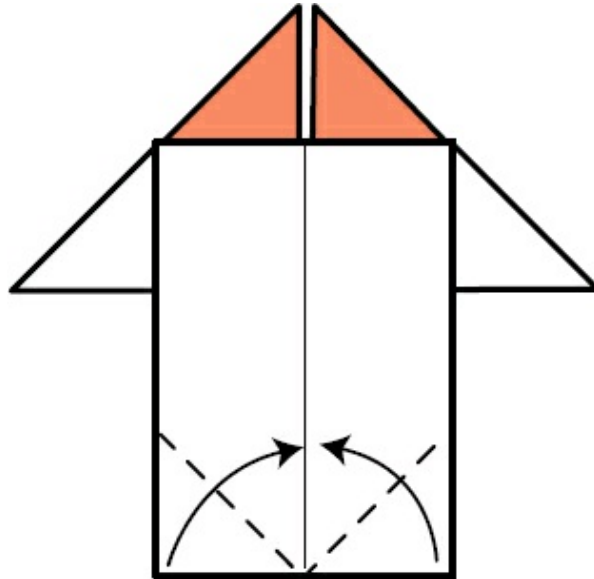
17 Fold a single layer down.



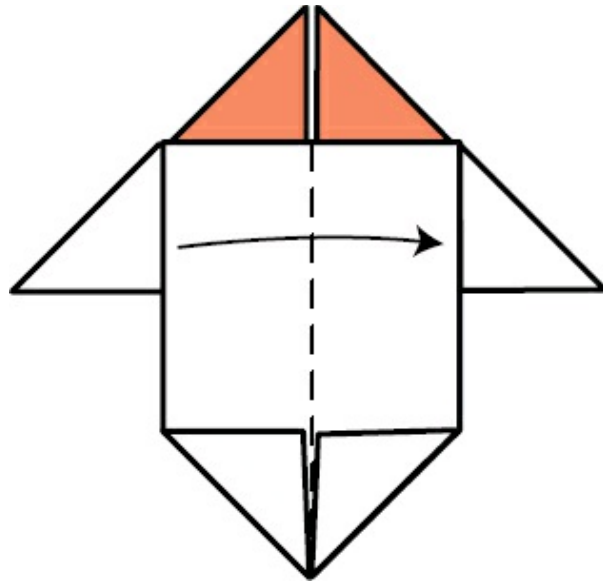
18 Fold over two corners.



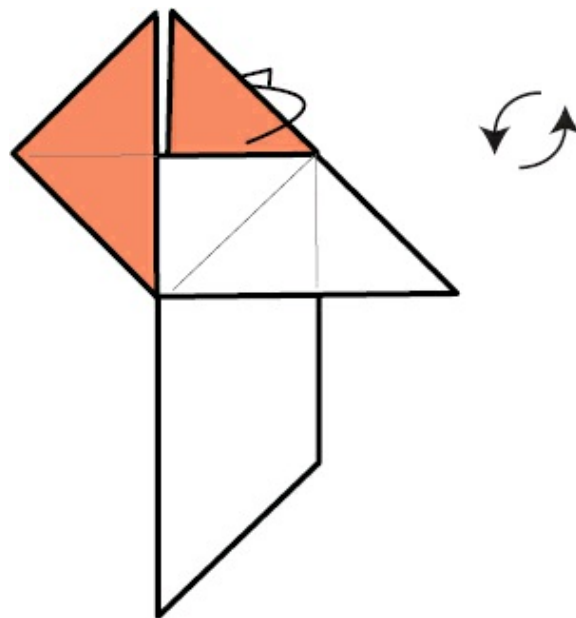
19 Fold the long white edges inside.



20 Fold over two corners.



21 Fold the white layer to the right.

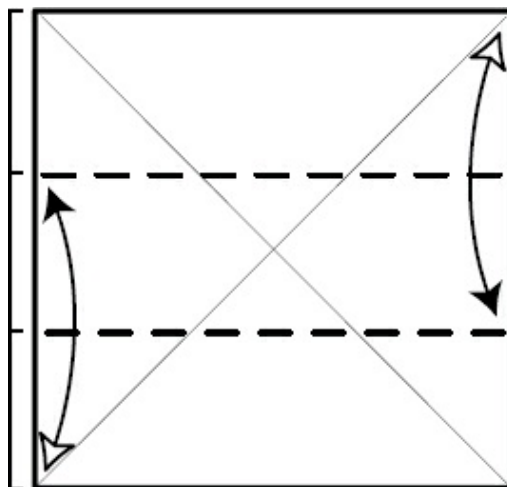


22 Fold the lower colored flap to the left. Rotate.

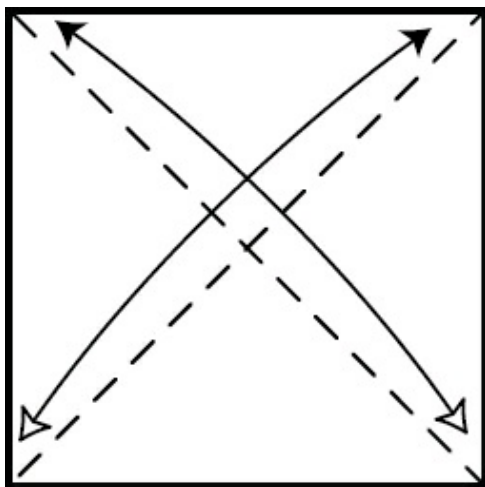
Shell Cube



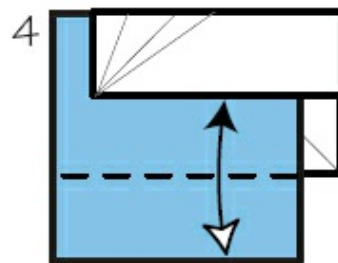
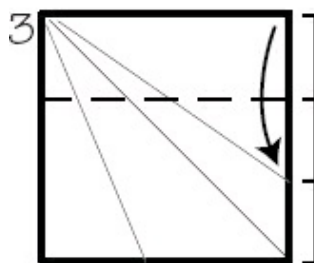
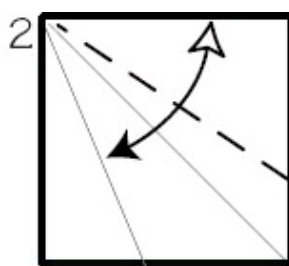
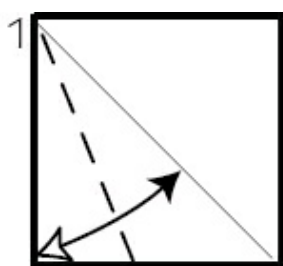
You can maximize the impact of this design by choosing paper with contrasting sides. In the photograph, you can see the white & patterned sides of an old map work well against each other.



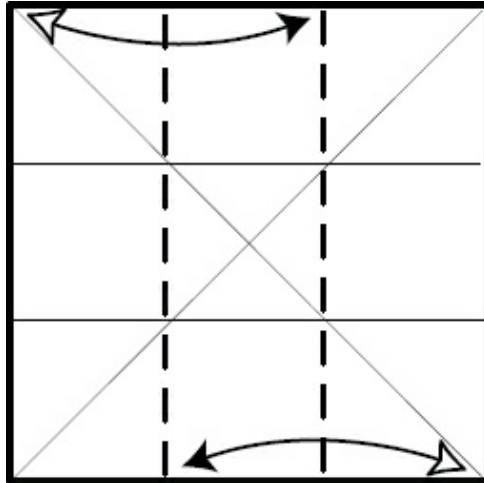
- 1 Fold in half from corner to corner, crease and unfold, in both directions.



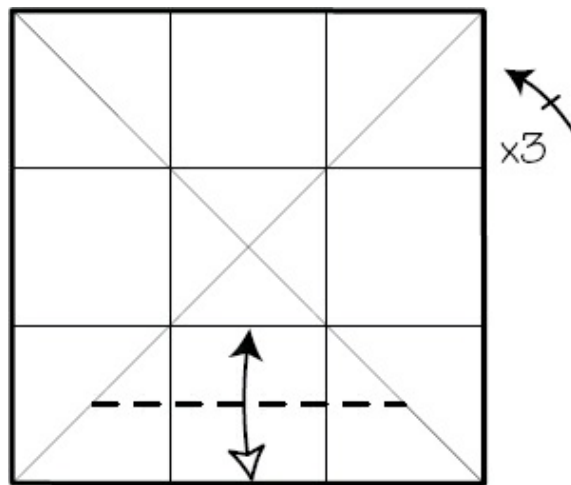
- 2 Divide into equal thirds (see the nearby hint).



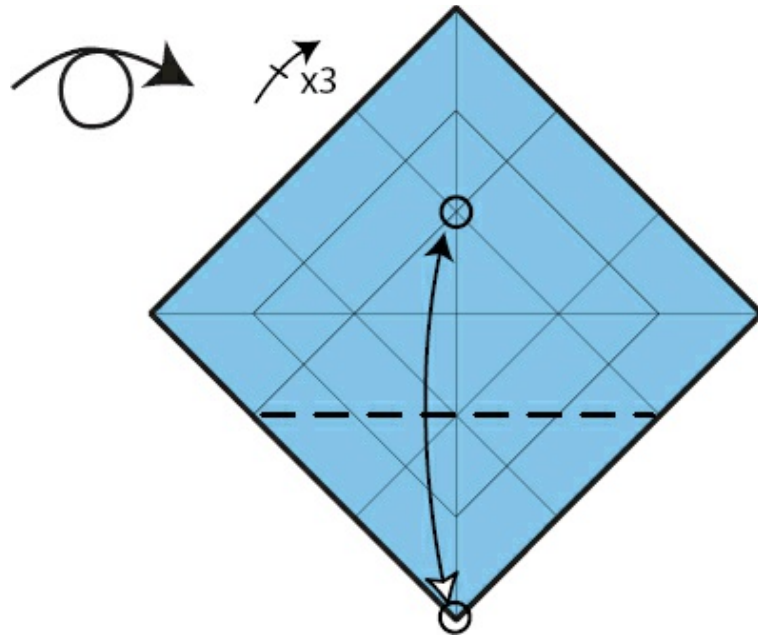
You can create a folding template to add perfect third creases.



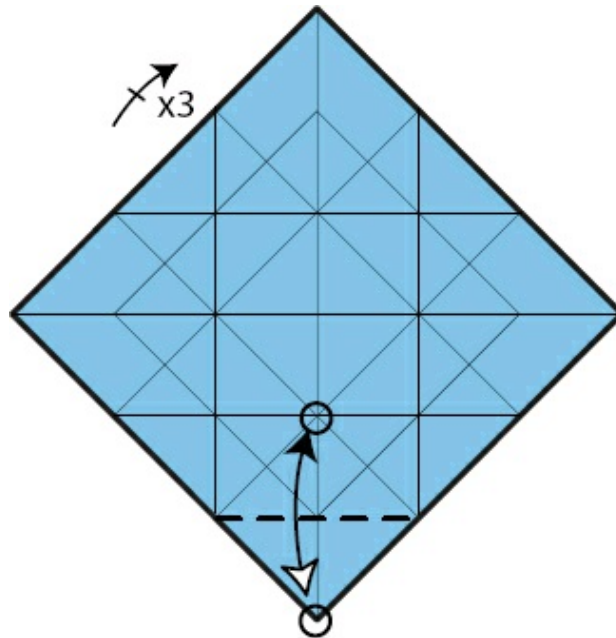
3 Add vertical third creases.



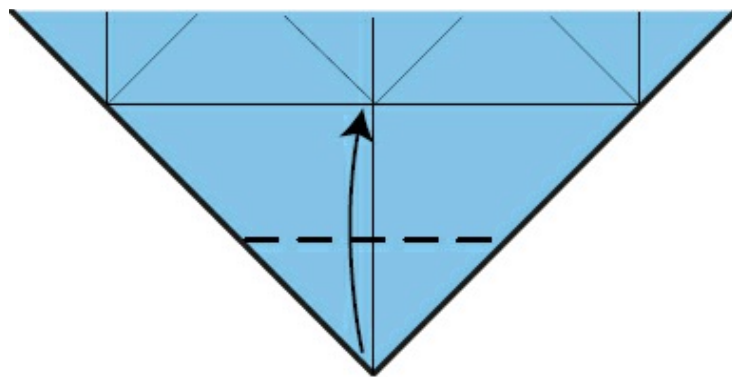
4 Fold the lower edge up, creasing only where shown and unfold. Repeat 3 times. Turn the paper over.



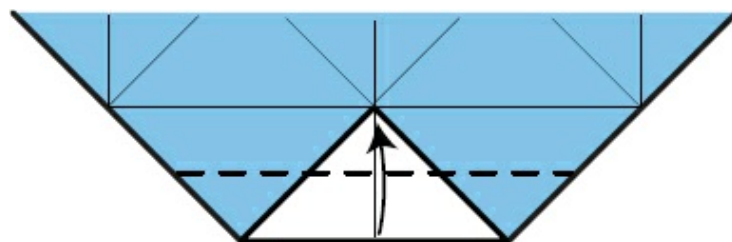
5 Fold the corner to the circled intersection, crease and unfold. Repeat 3 times.



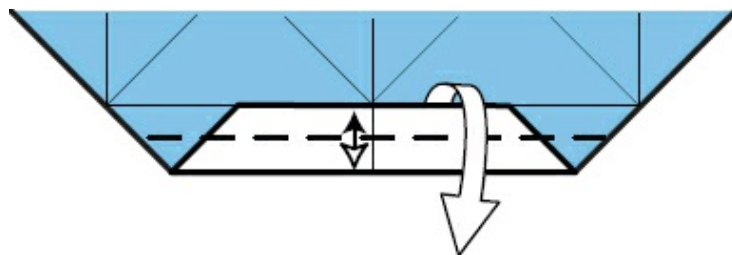
6 Fold the corner to the circled intersection, crease and unfold. Repeat 3 times.



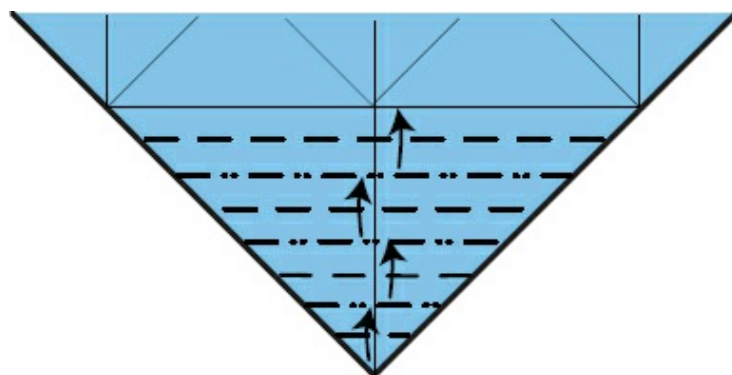
7 Enlarged view. Fold the corner to the nearest intersection.



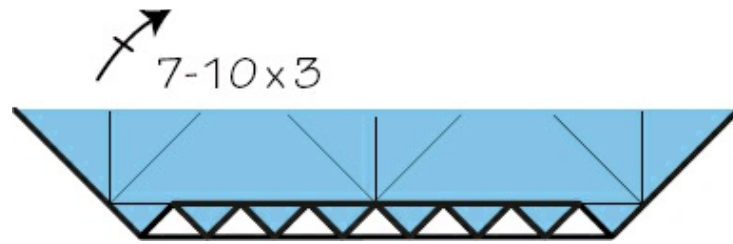
8 Fold the white triangular area in half upwards.



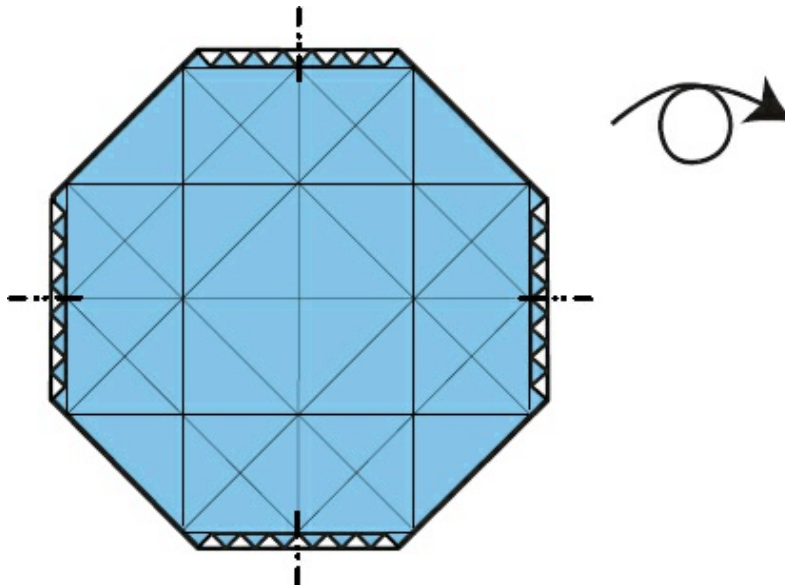
9 Fold the white area in half, then unfold fully.



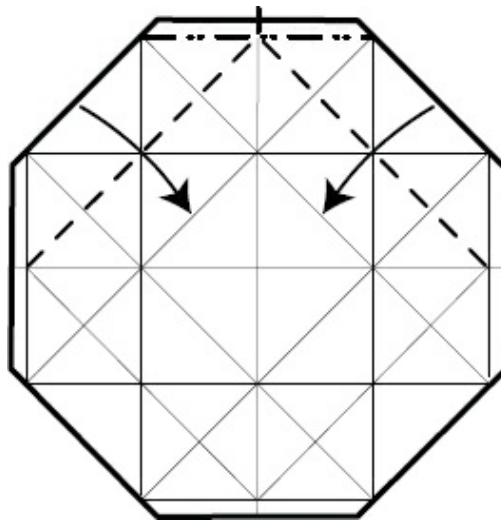
10 Pleat the paper upwards



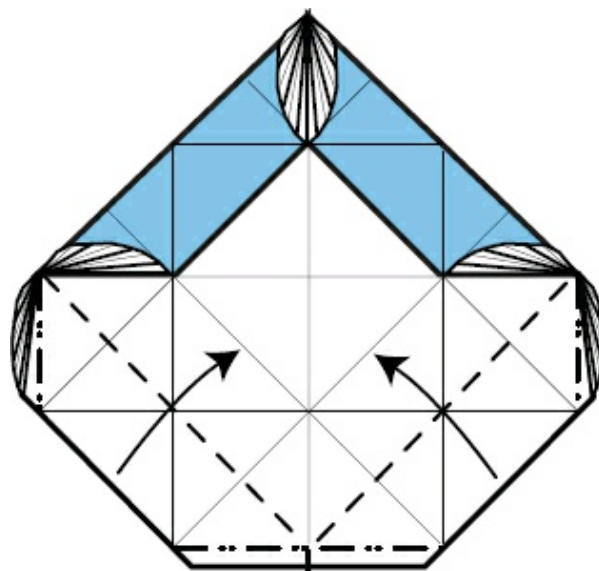
11 The result, repeat steps 7-10 on the three other corners.



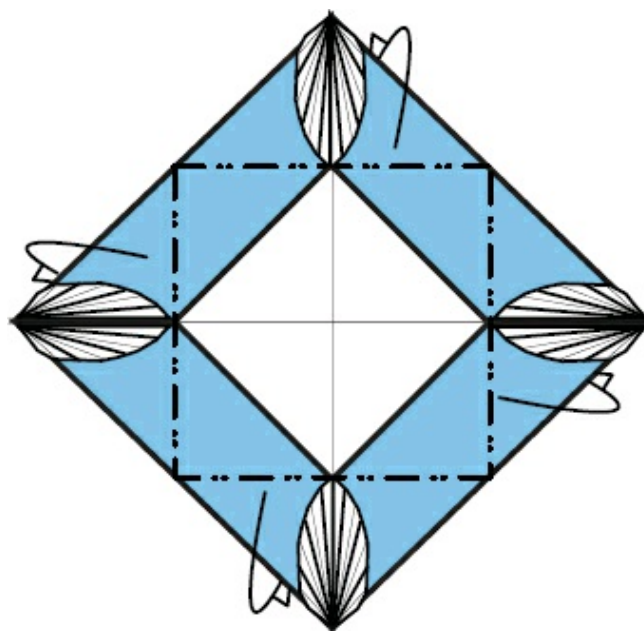
12 The result so far. Pinch mountain creases where shown then turn the paper over.



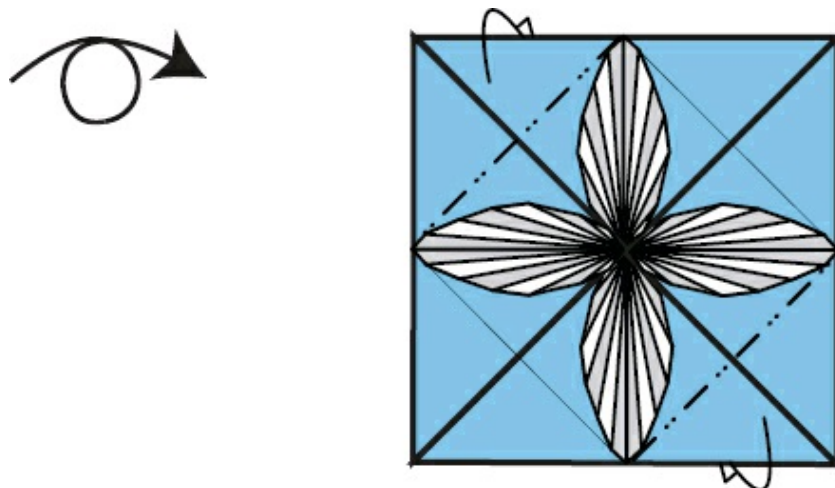
13 Fold two sides inwards, allowing the paper to become 3D in the center.



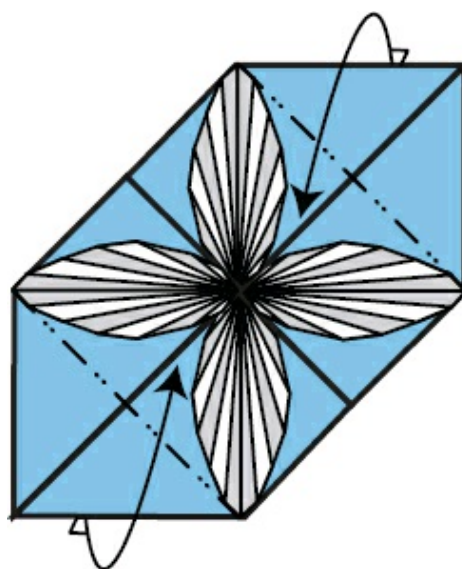
14 Repeat the last step on the lower half. All corners have 3D shells on them.



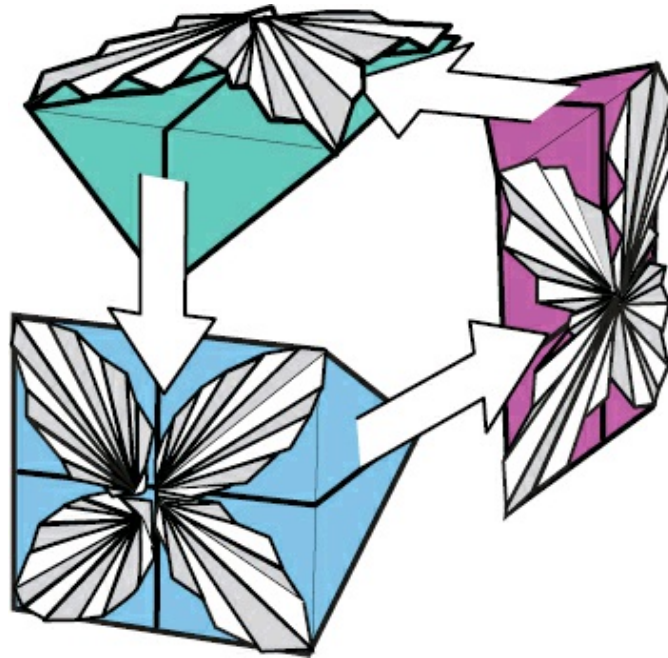
15 Fold all four corners behind, keeping the shells fully 3D. Turn the paper over.



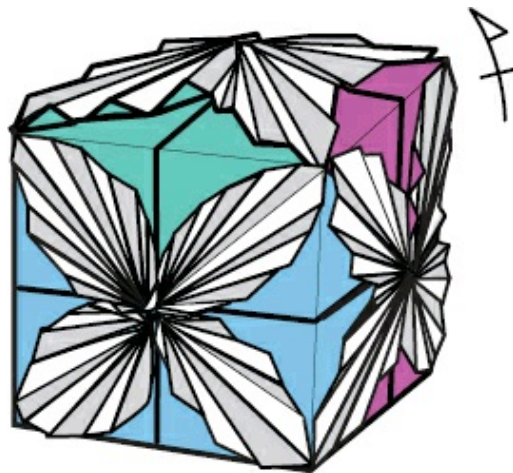
16 Fold two opposite corners underneath, making sharp creases.



17 Fold the other two corners underneath, but crease then unfold to 90 degrees. Make 5 more, using 3 different colors.



- 18 Arrange three units as shown. Slide the triangular flap under two sheels of the adjacent units.

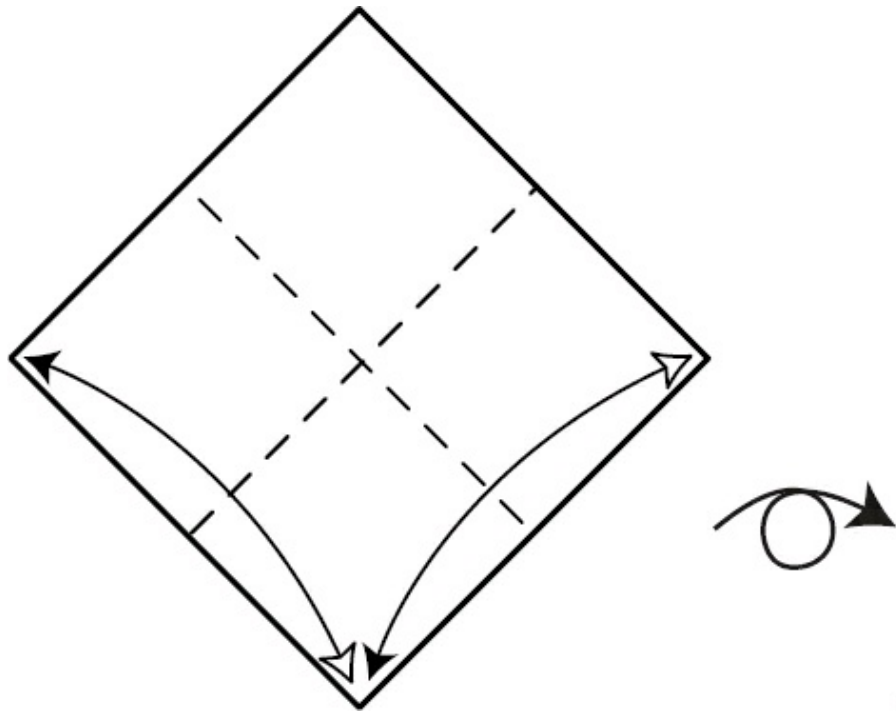


- 19 Add the three other units in the same way.

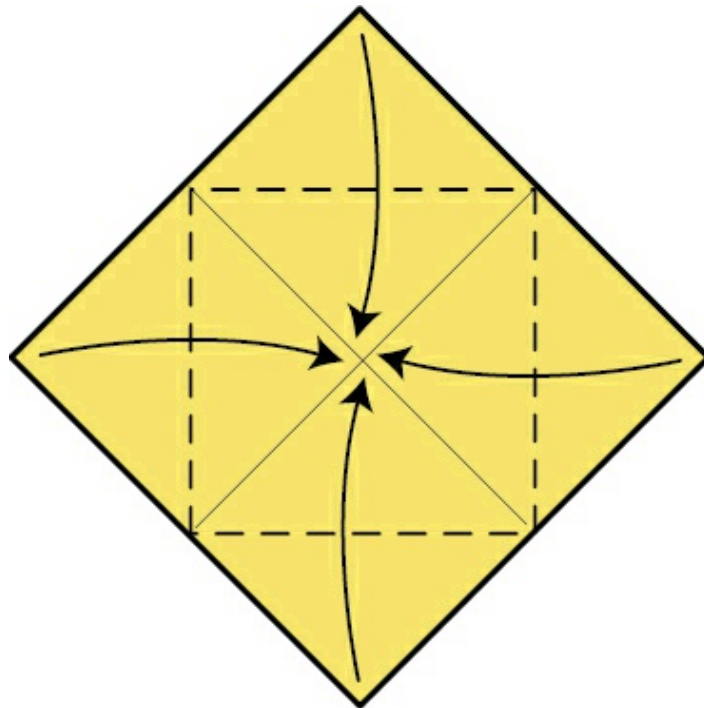
Saltsraumen Octahedron



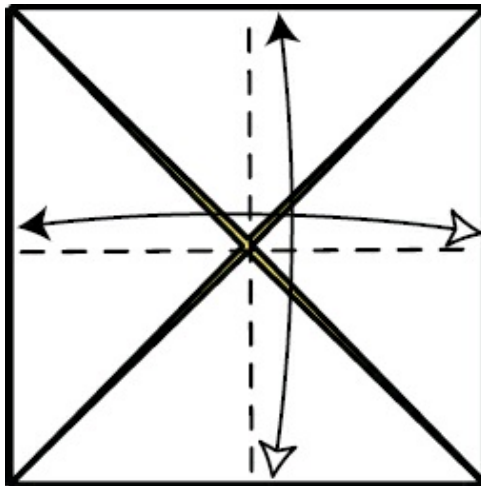
This delightful decoration requires some patience to assemble, but the results are well worth it. Try to find brightly decorated paper, ideally with a different color on the underside.



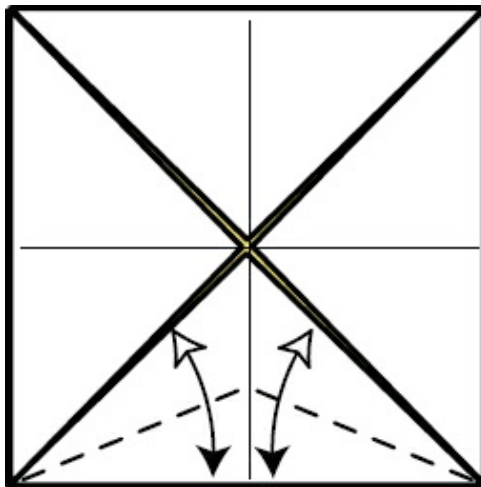
- 1 Fold in half from side to side and unfold, in both directions. Turn the paper over.



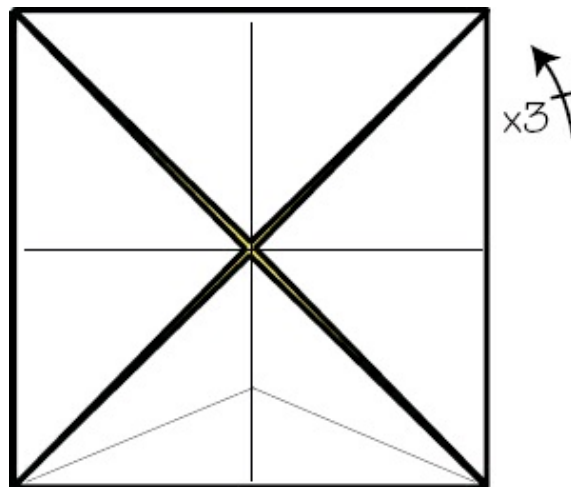
- 2 Fold each corner to the center.



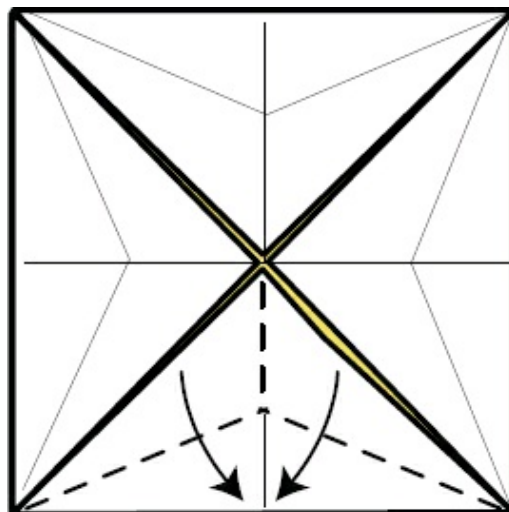
3 Fold in half from side to side and unfold, in both directions.



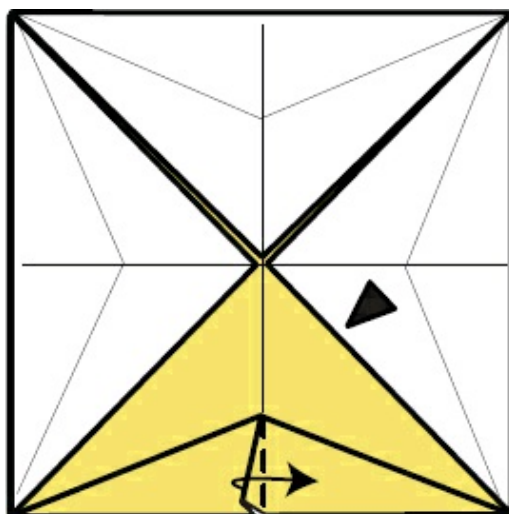
4 Fold each inner edge to the lower edge, creasing where shown, then unfold.



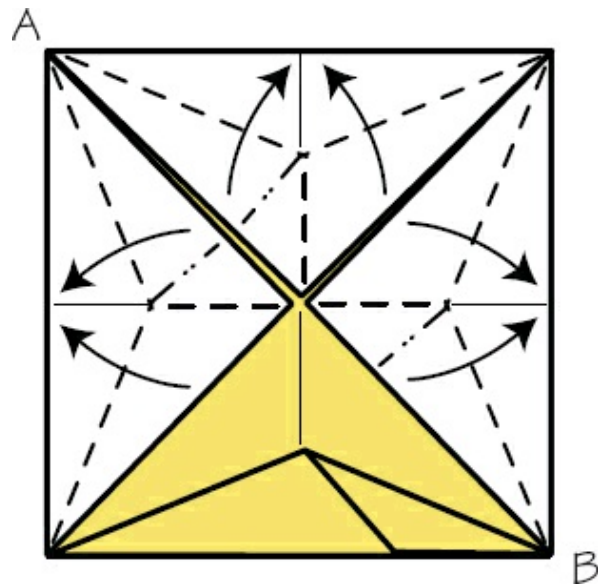
5 Repeat the last step on each side.



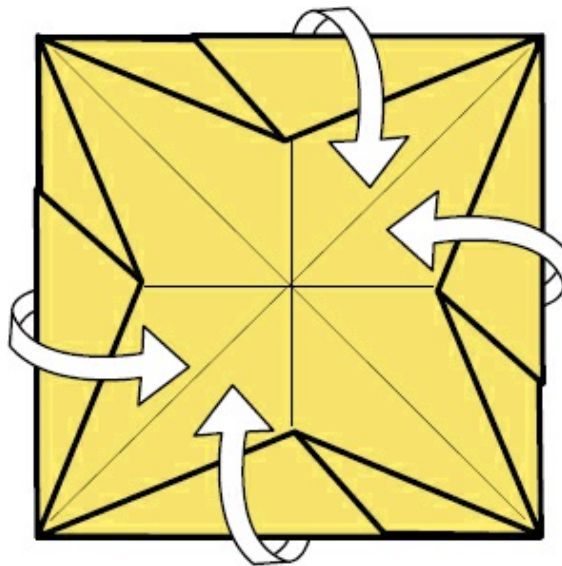
6 Fold both sides down at the same time, forming a small vertical point.



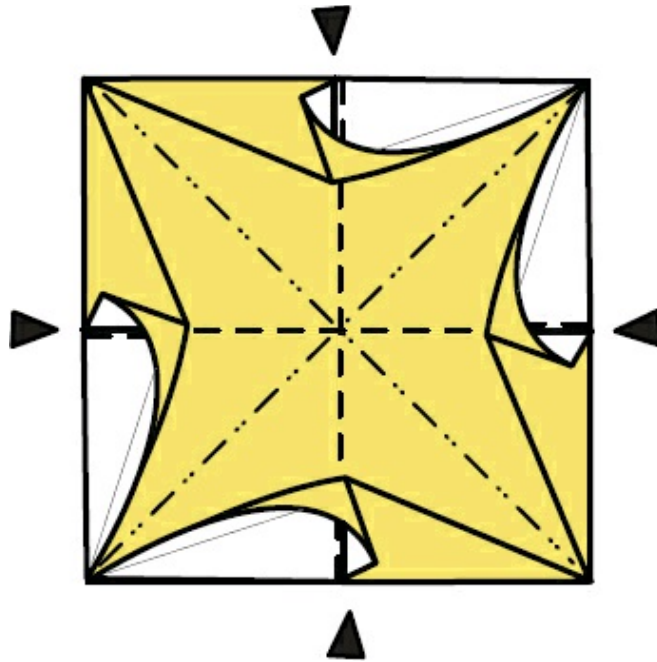
7 Flatten the central flap to the right.



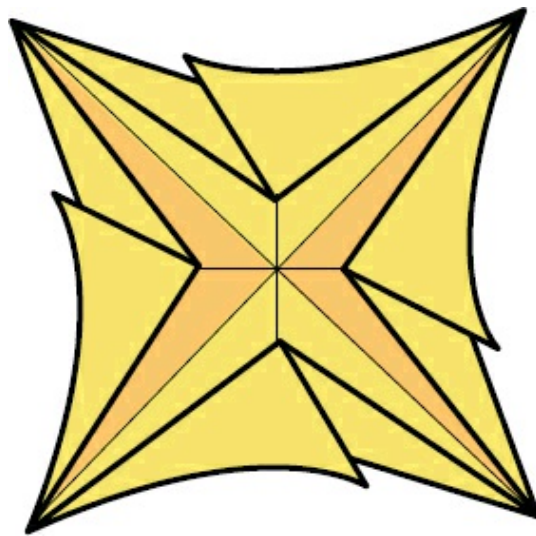
- 8 Repeat steps 6 to 7 on the three other flaps. Note that the flaps made in step 7 should point towards corners A and B - check the next picture before proceeding.



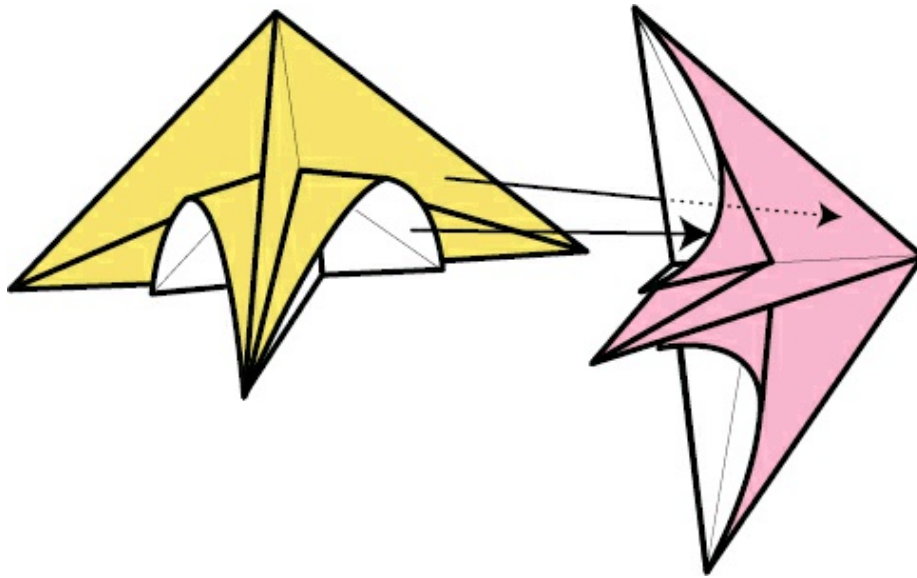
- 9 Lift open a single layer on each side and encourage it to curl. You do not want any creases on this flap.



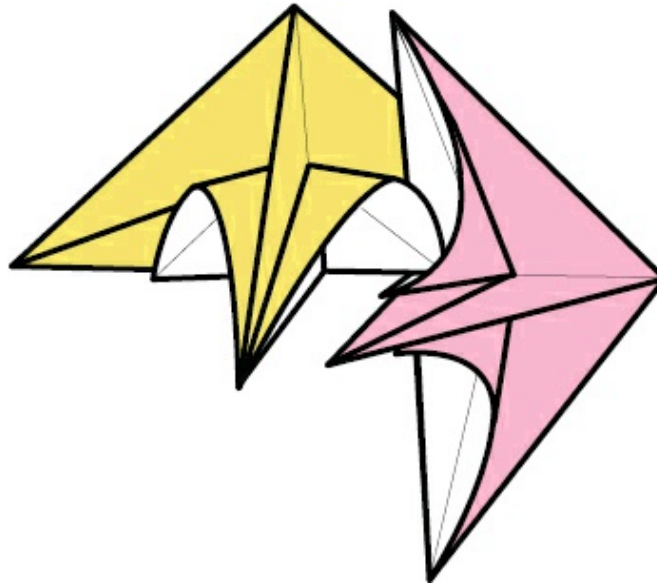
- 10 Press in the center of each side, forming the model into 3D using these creases.
Do not add any new creases!



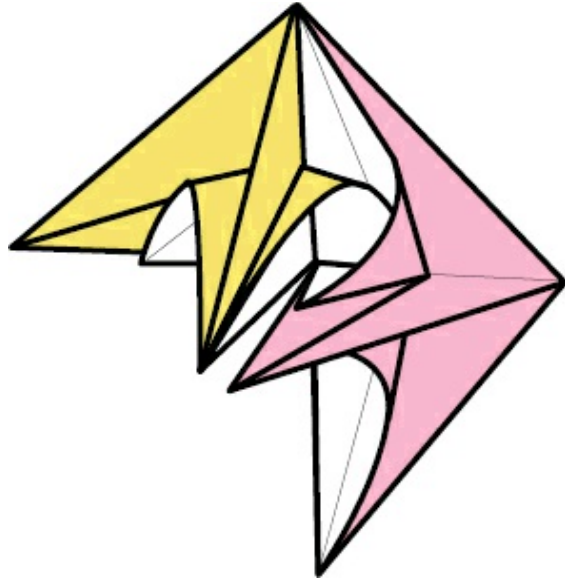
- 11 This is one unit, ready for assembly. Make 6 units, using 3 different colors.



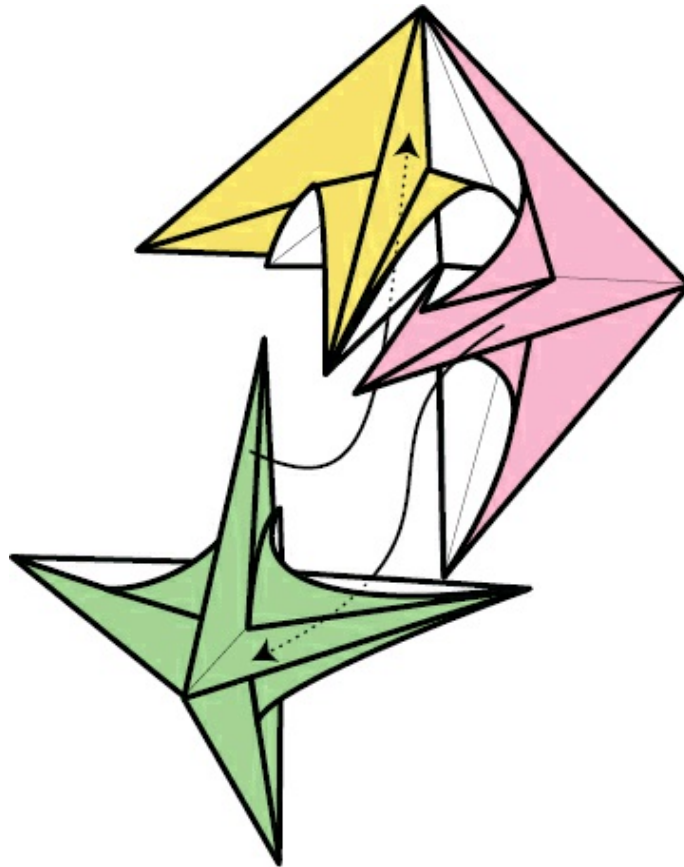
- 12 Arrange two units as shown. Slide the long flap of the left unit into the upper pocket of the right unit. The curved central flap tucks into the similar pocket on the right.



- 13 Here you can see how the flaps interlock.

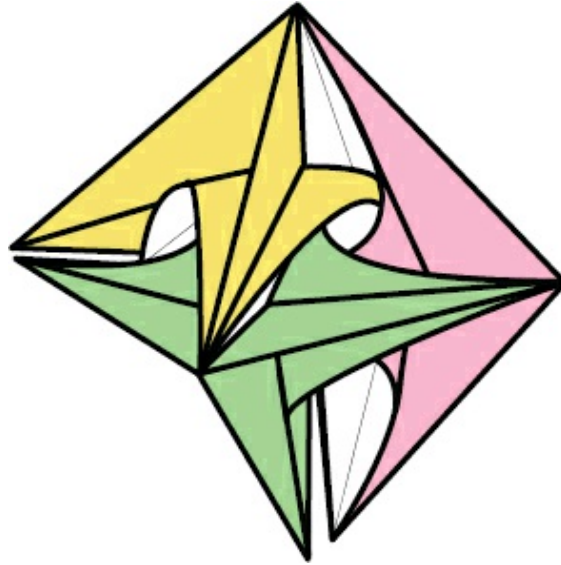


14 The units fully interlocked. Check that the flaps behind the top right corner are interlocked in a similar way.

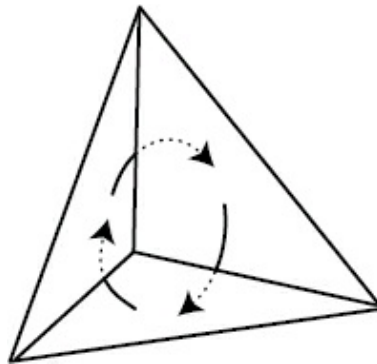


15 Add a third unit, carefully checking which flap goes into which pocket.

It will help to slightly loosen existing flaps & pockets while you join all six, then rotate the model, tightening them up a little at a time until they are tightly interlocked.



16 Three units interlocked. Nine of the central curved flaps should now be interwoven. Add the others in the same way.

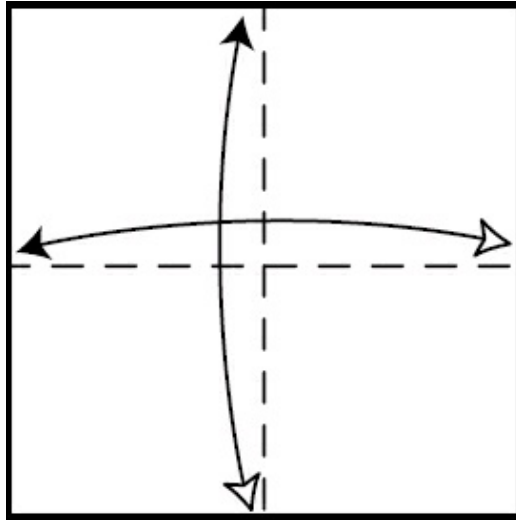


The flaps on each triangular face have rotational symmetry.

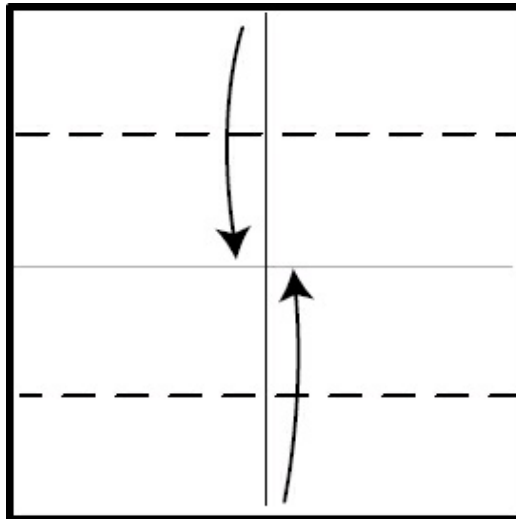
Roast Chicken



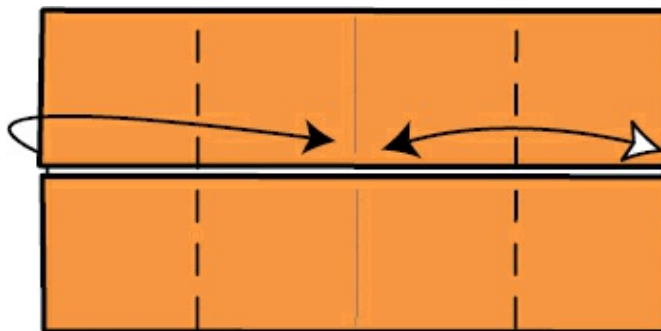
A novel design from a young English creator. Here, it has been folded from a fast food wrapper that has been glued to a sheet of ordinary paper.



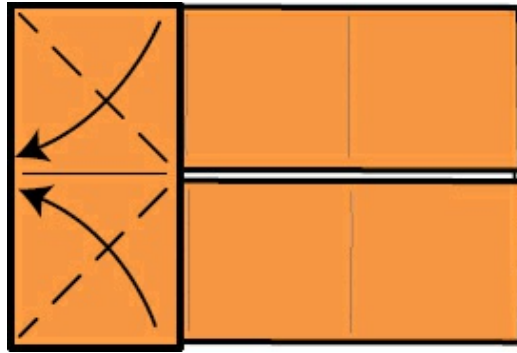
- 1 Fold in half side to side, crease and unfold, in both directions.



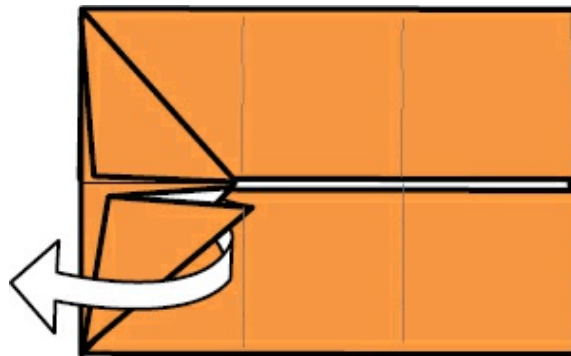
- 2 Fold upper and lower edges to the center.



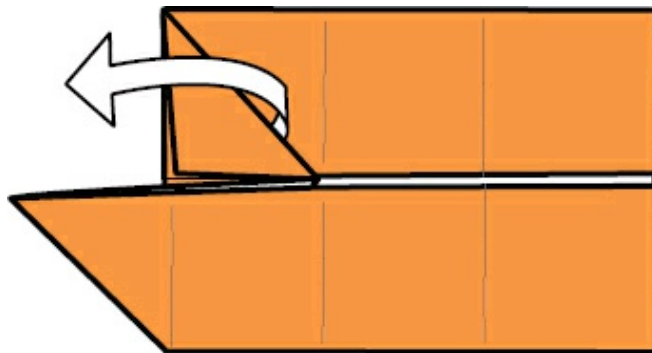
- 3 Fold the short edges to the center.



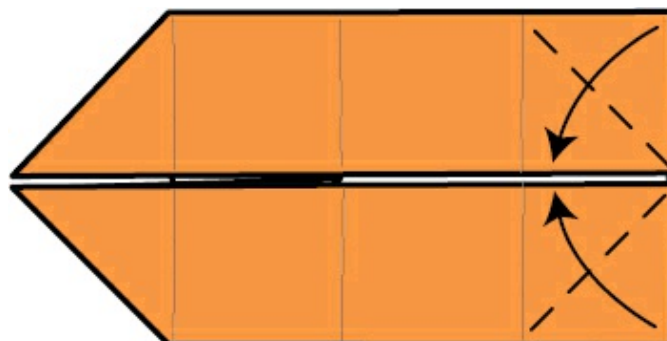
4 Fold the inside corners of the upper layer to the left edge.



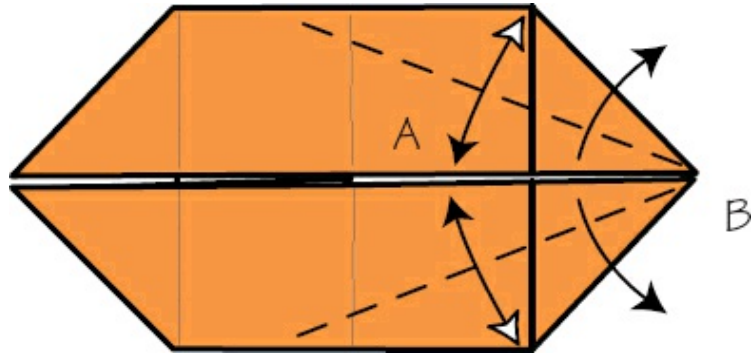
5 Ease out a layer and extend it to the left.



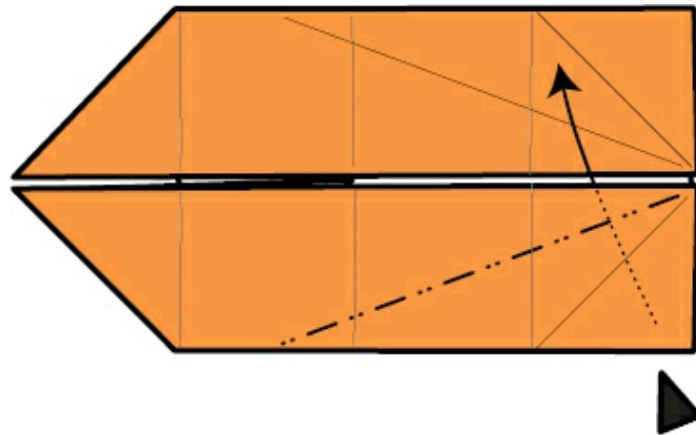
6 Repeat the step on the other flap.



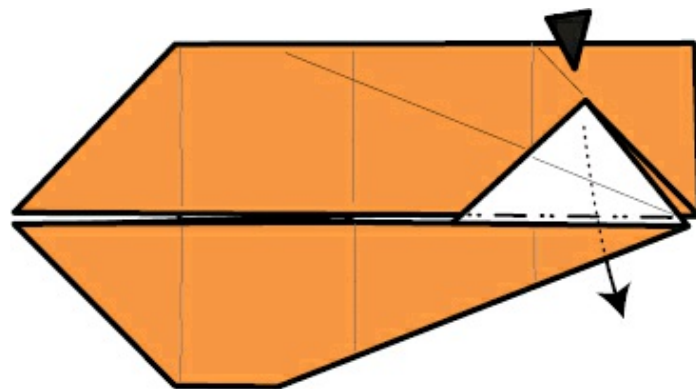
7 Fold both corners on the right to lie on the horizontal center.



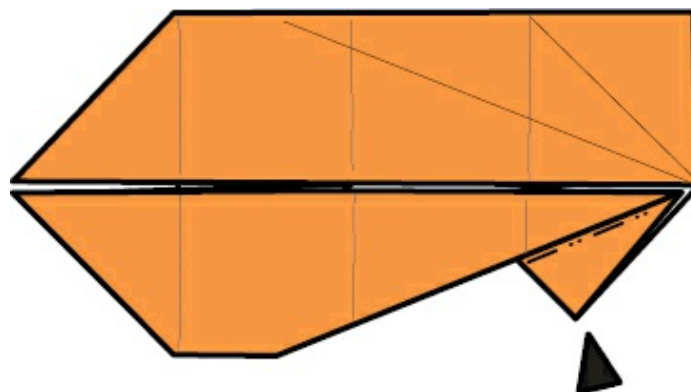
8 A - Fold the right edges to the center, crease and unfold. B - Unfold the two flaps on the right.



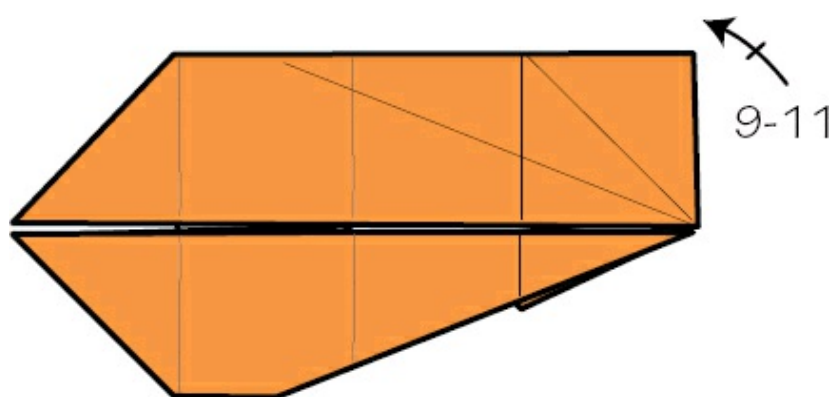
9 Inside reverse the lower right corner.



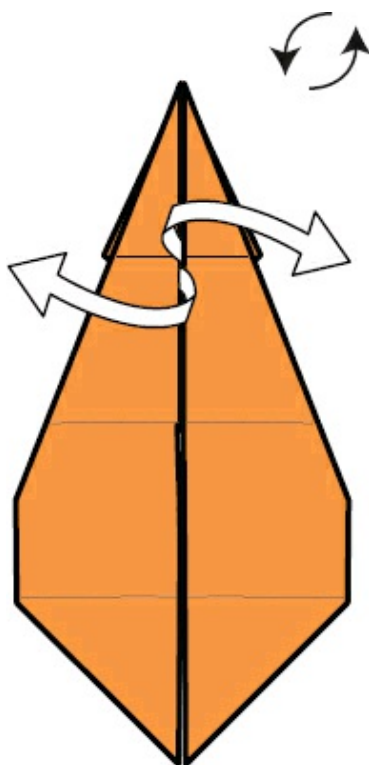
10 Reverse the white flap back down.



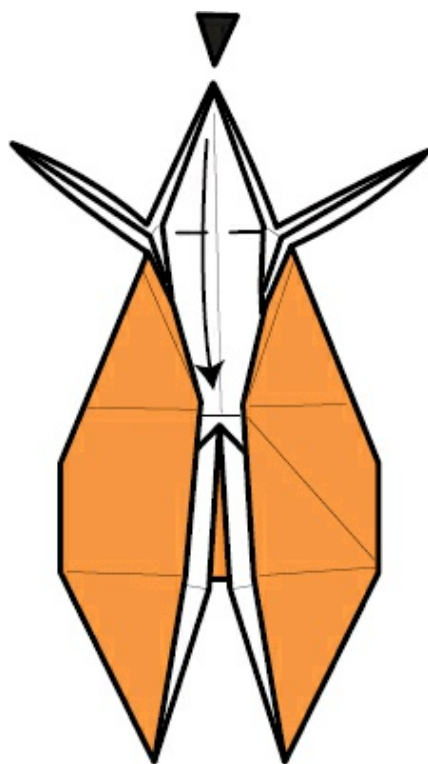
11 Reverse the colored flap inside.



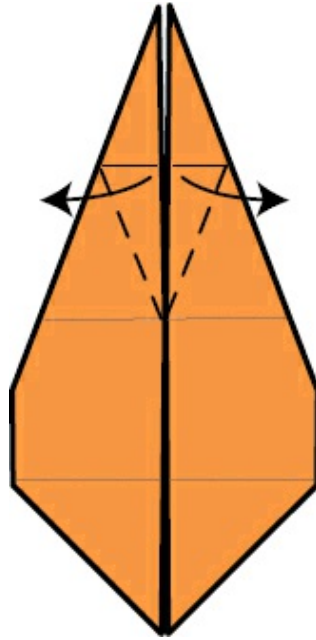
12 Repeat steps 9-11 on the upper side. Rotate the paper.



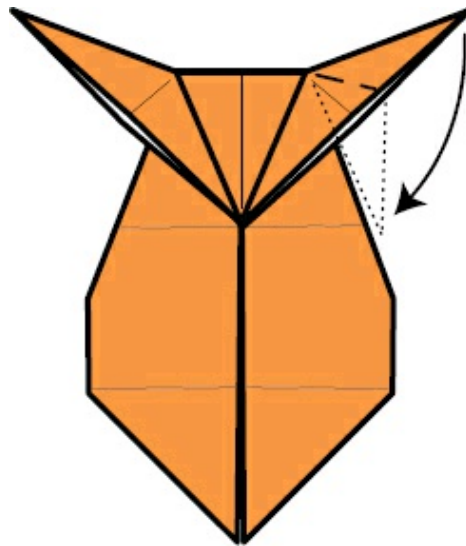
13 Partially open the layers at the top.



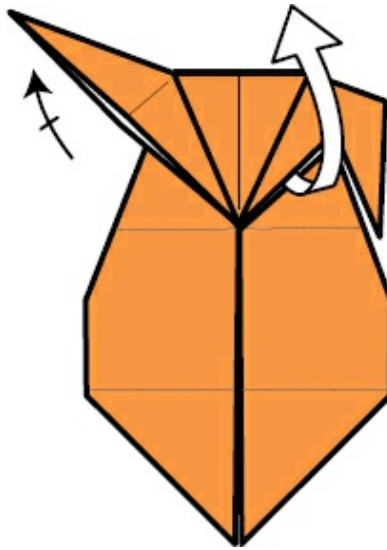
14 Fold the central flap down and close the layers again.



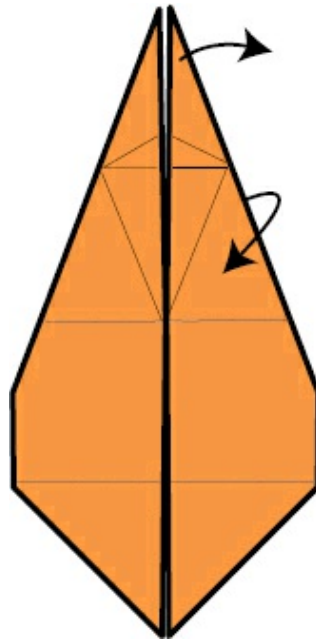
15 Fold two flaps at the top outwards



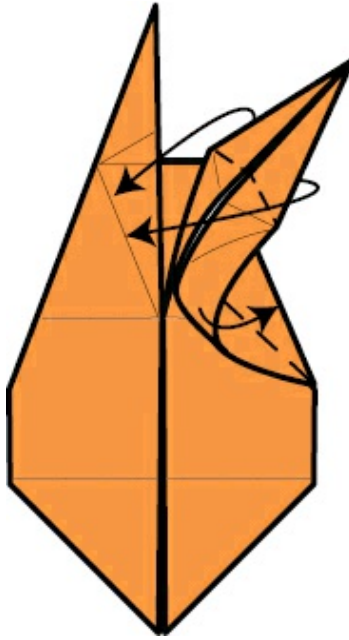
16 Fold the right flap down to match the dotted line.



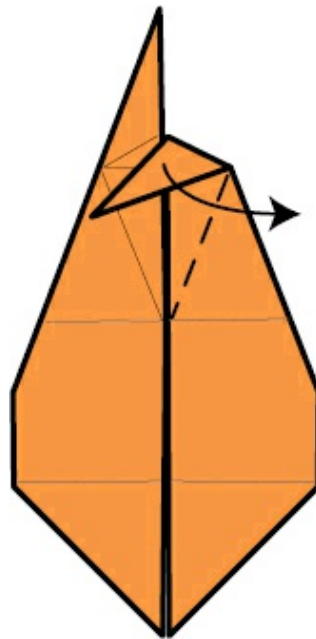
17 Unfold on the right, repeat on the left.



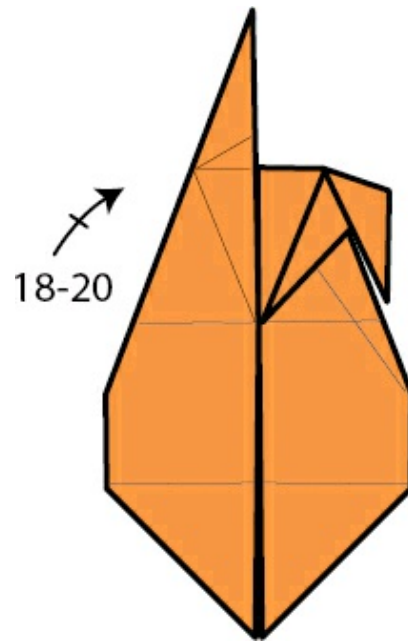
18 Lift up a layer on the right, allowing the flap to move to the right.



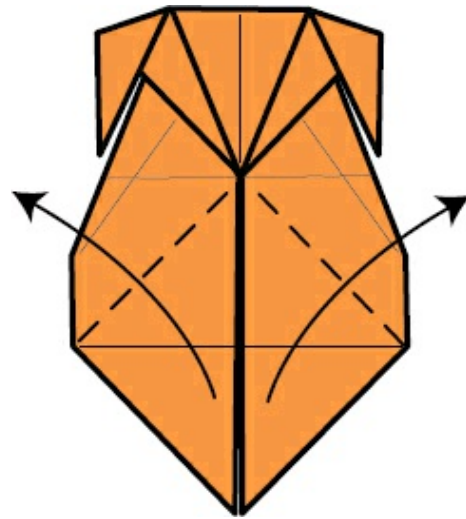
19 Outside reverse the end of the flap as you flatten the layers.



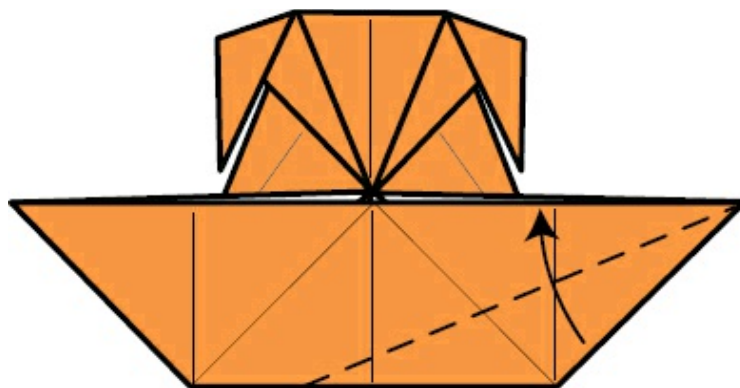
20 Fold the flap to the right.



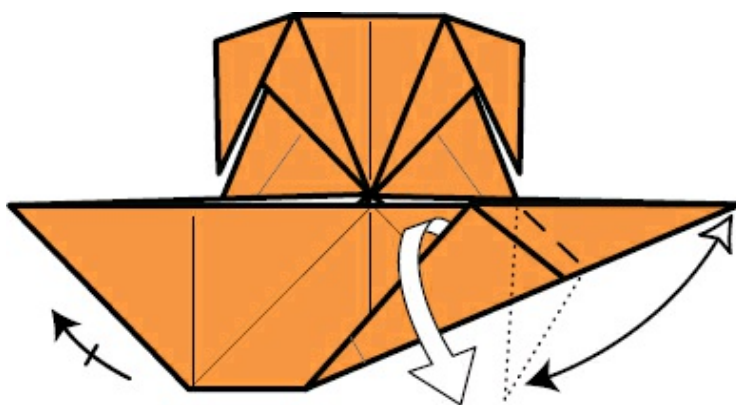
21 Repeat steps 18-20 on the left.



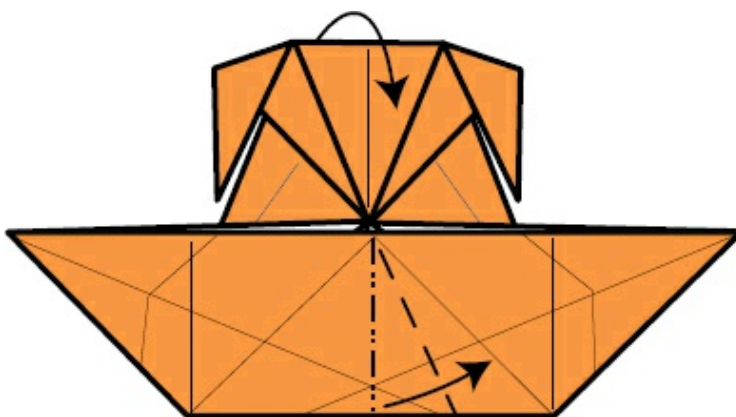
22 Fold two lower flaps upwards and out.



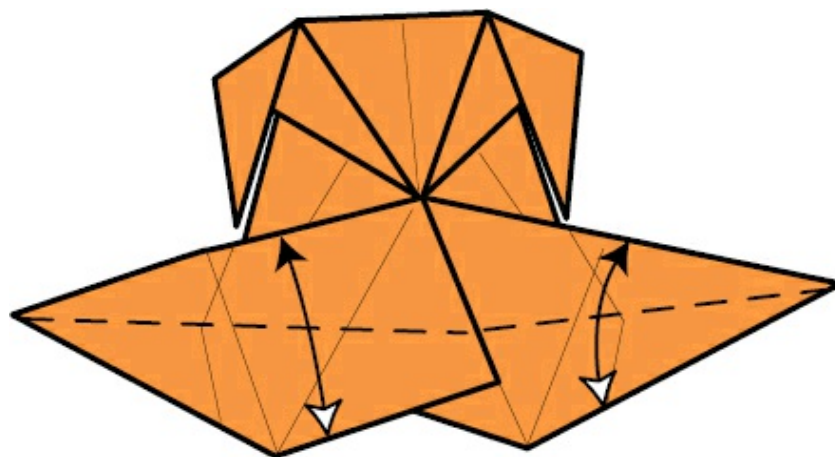
23 Fold the lower right edge to the horizontal edge.



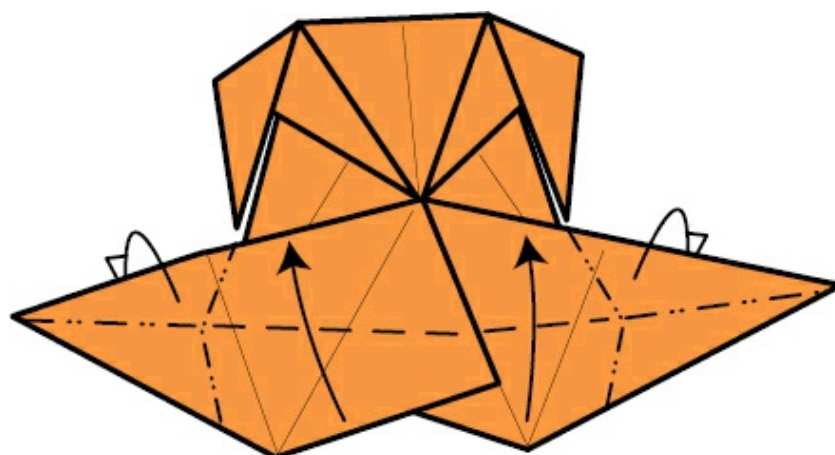
24 Fold the flap down to match the dotted line, then unfold to step 23. Repeat on the left side.



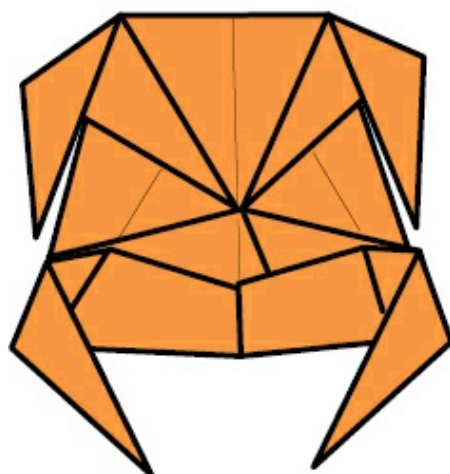
25 Form the model into 3D using these creases. The sides of the model rise towards you.



26 Reinforce these creases.



27 Refold the flaps upwards, forming outside reverses at each end.



28 Complete. Turn the model over.

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