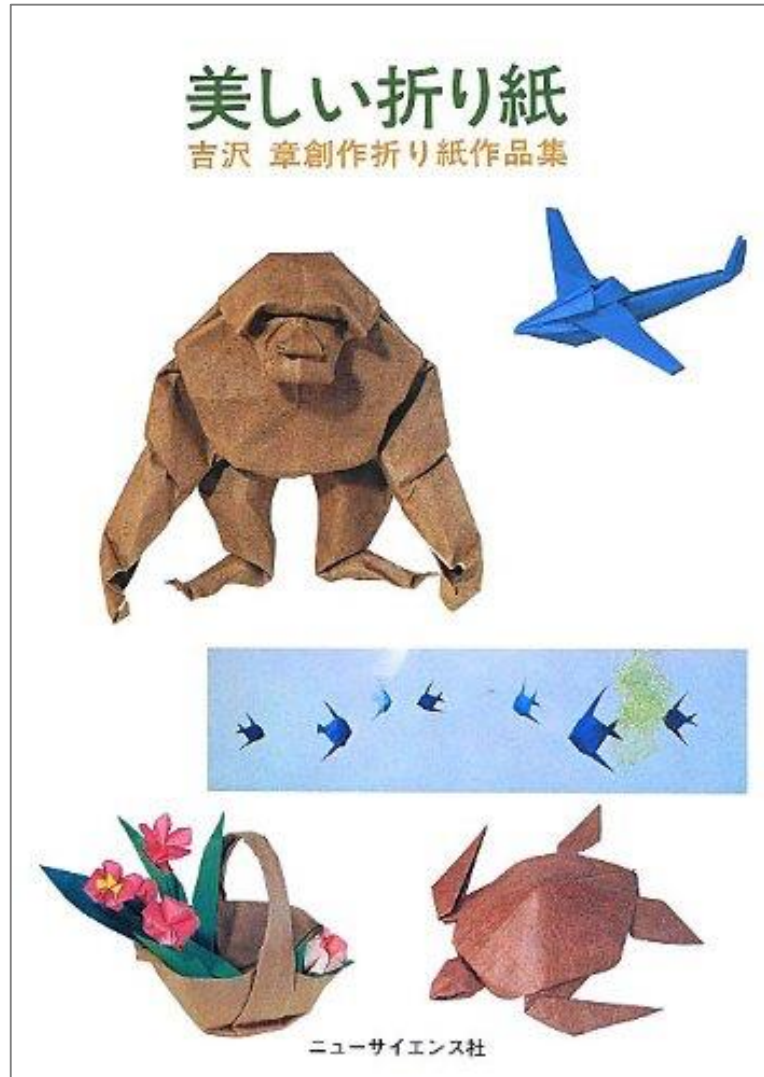


# Grade 4 – Radial Origami Sculpture



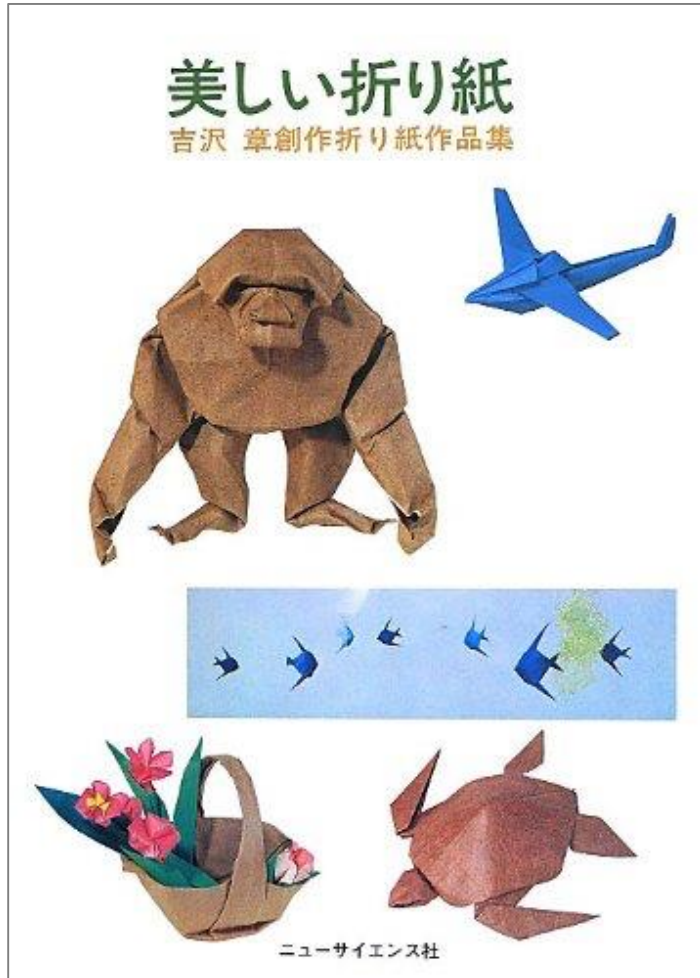
Form

# What do you see?



Utsukushi origami book by Akira Yoshizawa

# Artistic Focus: Form



Utsukushi origami book  
by Akira Yoshizawa

**FORM** is a three-dimensional object that has height, length, width, and depth.

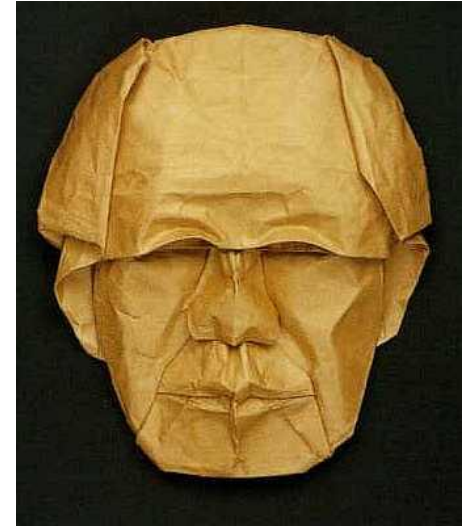
## Today's objective:

1. To think in three dimensions while folding origami paper into four complex shapes.
2. To arrange forty origami shapes into a symmetrical sculpture.

**WA State Visual Arts Standard**  
Create works of art that reflect community cultural traditions.  
(VA: Cn.10.1.4)

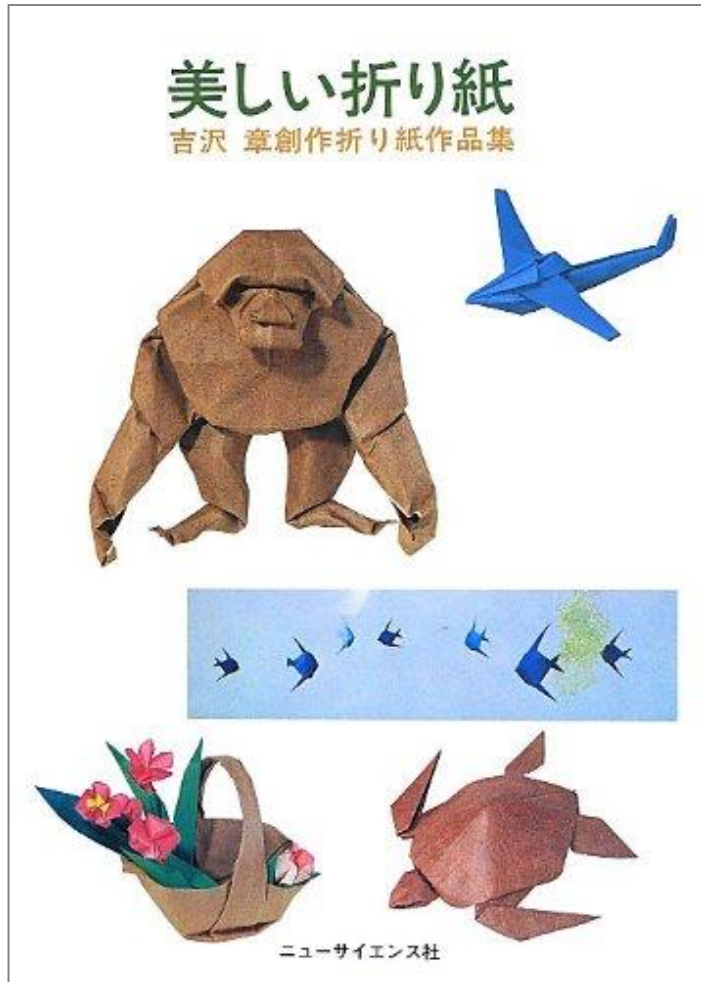
# Akira Yoshizawa

- 吉澤 章 *Yoshizawa Akira*
- March 14, 1911 – March 14, 2005
- Japanese origamist
- Considered the grandmaster of origami
- Credited with raising origami from a craft to a living art
- By 1989, created more than 50,000 origami models





# Artwork



Utsukushi origami book  
by Akira Yoshizawa



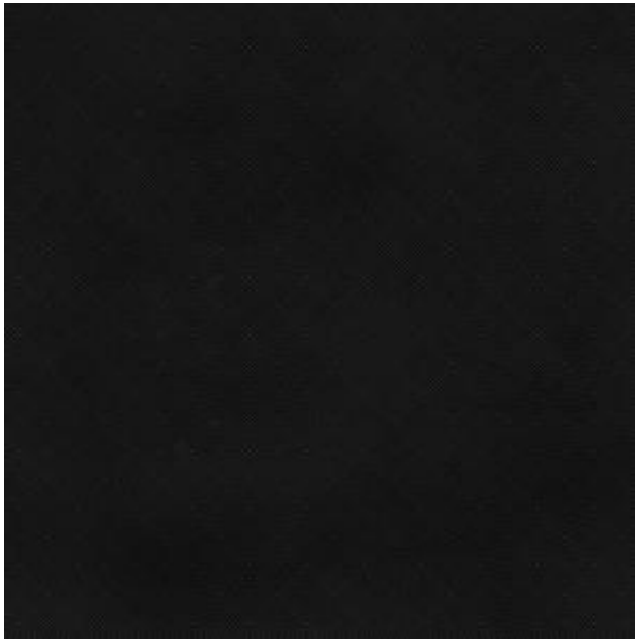
Akira Yoshizawa holding his  
peacock origami sculpture

# Yoshizawa's Origami Animals



# Materials

12" x 12" black construction paper,  
one per project (background)



Glue sticks



3" x 3" origami paper,  
40 sheets per project





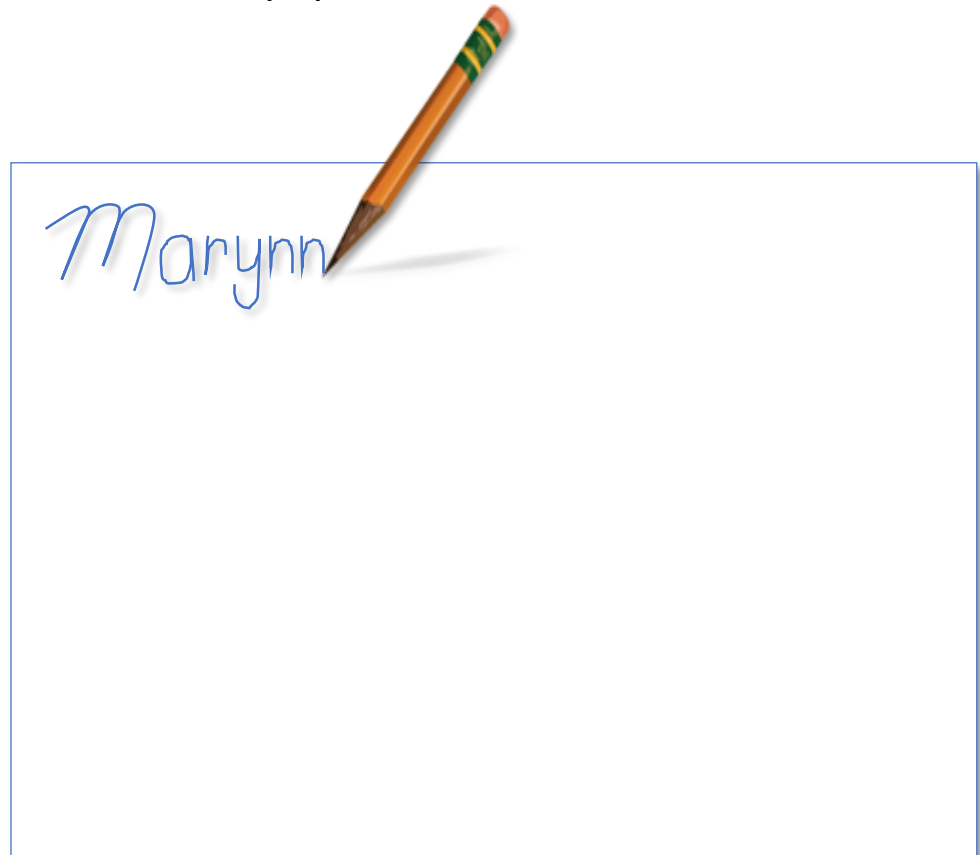
# Example of Today's Project





# Before You Begin

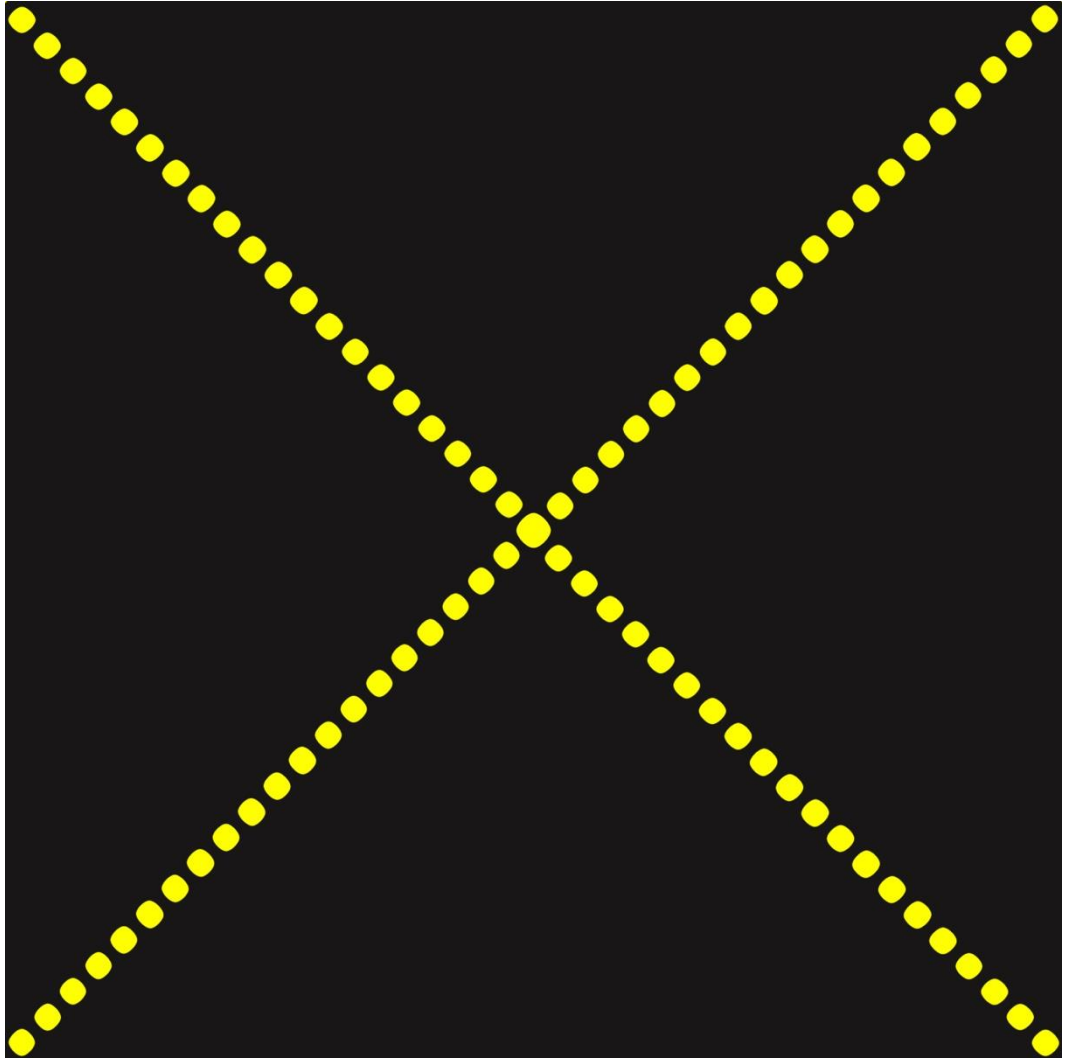
1. Write your name in pencil on the back of the paper.
2. Flip over your paper.
3. Roll up your sleeves!



# Step 1

Prepare your black, square background:

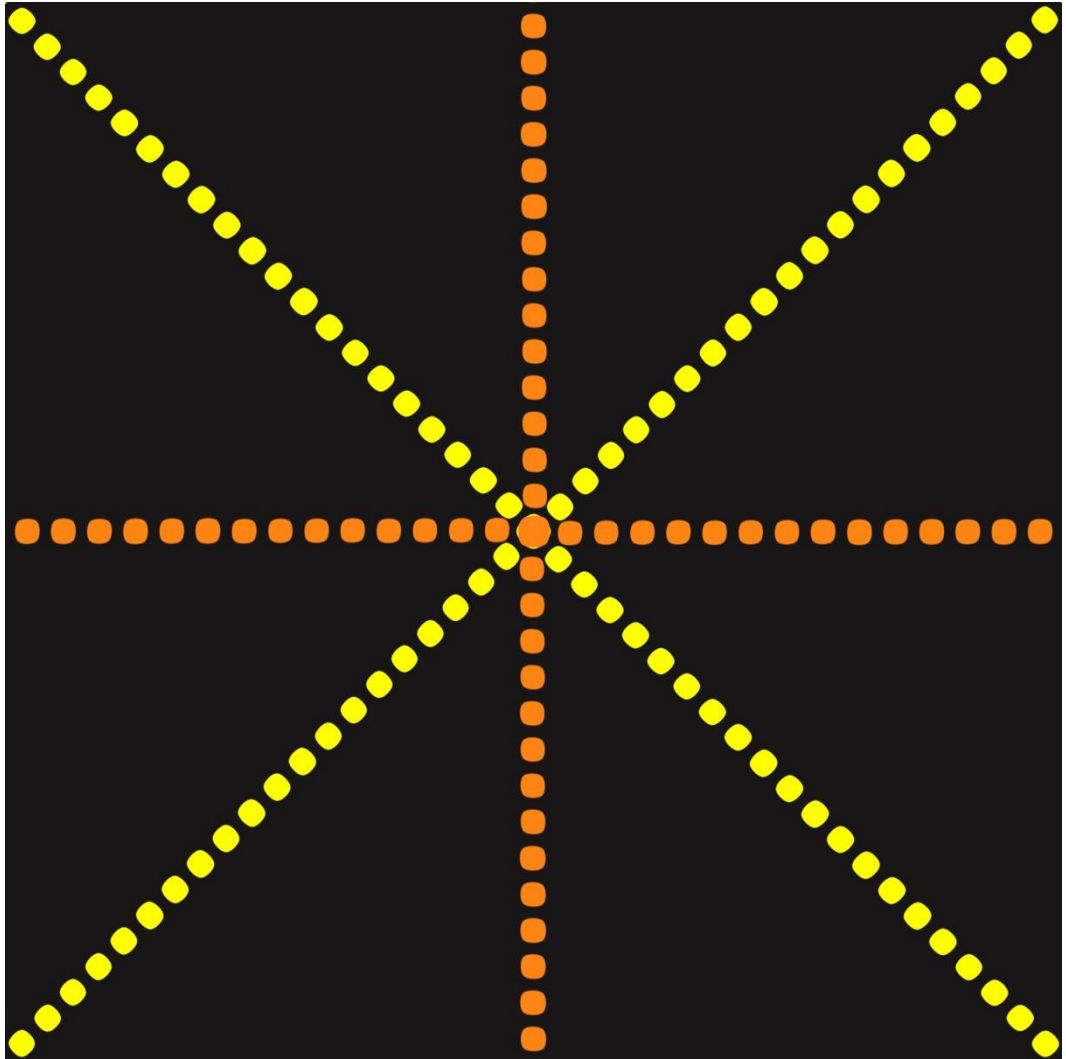
- First fold your square into a triangle one way.
- Then fold it into a triangle the other way.
- You should end up with an **x** shape in the middle of your paper.



## Step 2

Finish preparing your background with these additional folds:

- Open up the square and make two more folds.
- Fold the square into a rectangle one way.
- Then fold it into a rectangle the other way.
- You should end up with pattern of folds that looks like this.

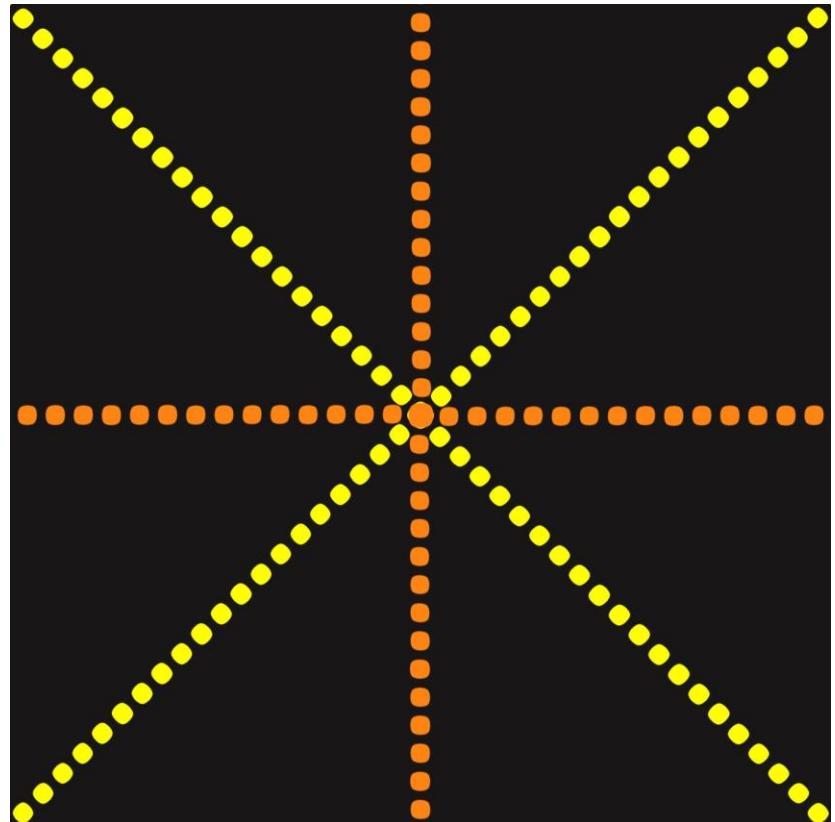
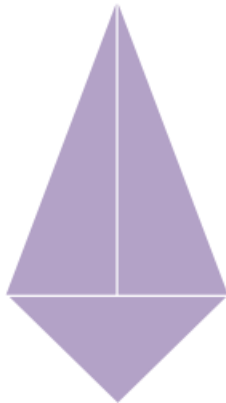




# Step 3

First make 8 kite folds, like this:

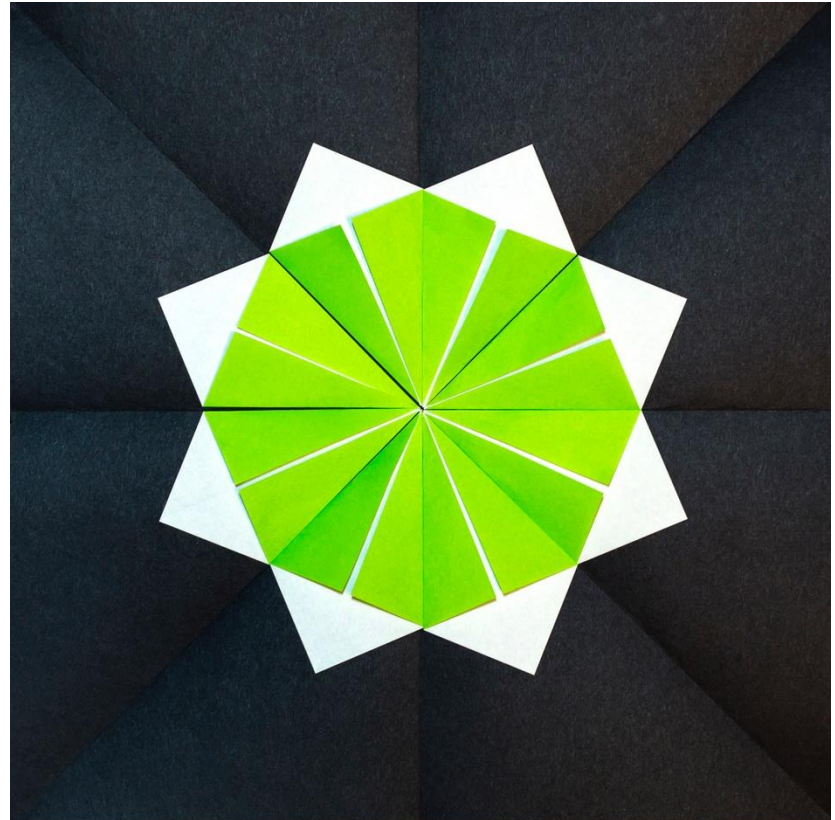
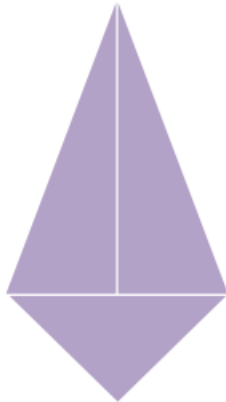
- LWSD Docent YouTube video: [Kite Fold](#)



# Step 4

First make 8 kite folds, like this:

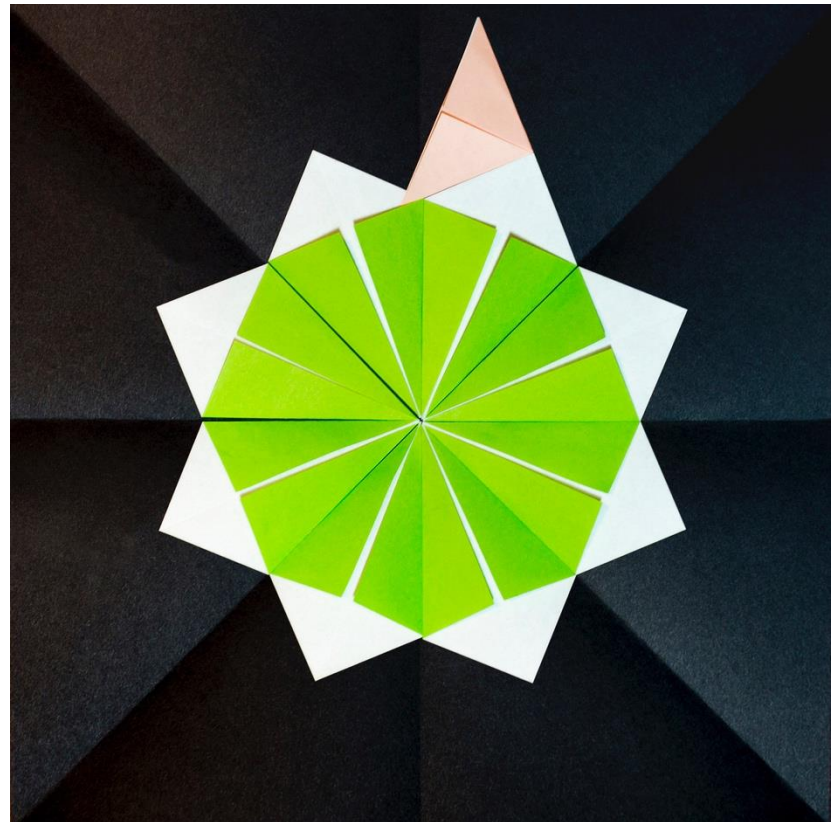
- LWSD Docent YouTube video: [Kite Fold](#)
- Do the same with the other 7 kite folds:



# Step 5

First make 16 triangle flap folds, like this:

- LWSD Docent YouTube video: [Triangle Flap Fold](#)
- Next, use a glue stick to paste a triangle fold snugly against the top of your kite fold.
- The bottom corner will cover a bit of your kite fold. That's okay!

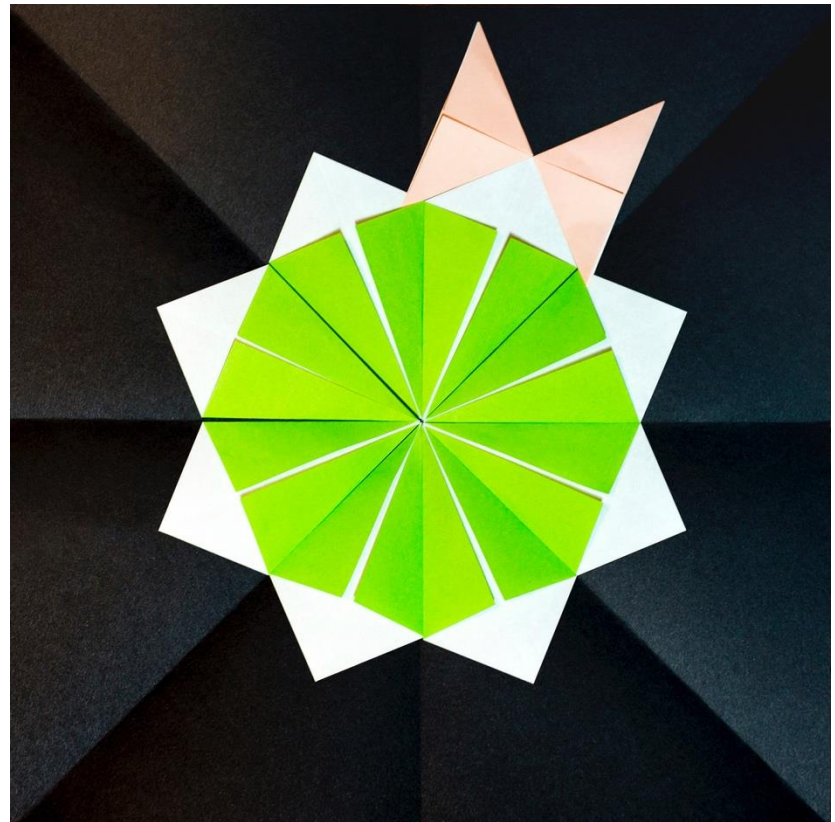




# Step 6

First make 16 triangle flap folds, like this:

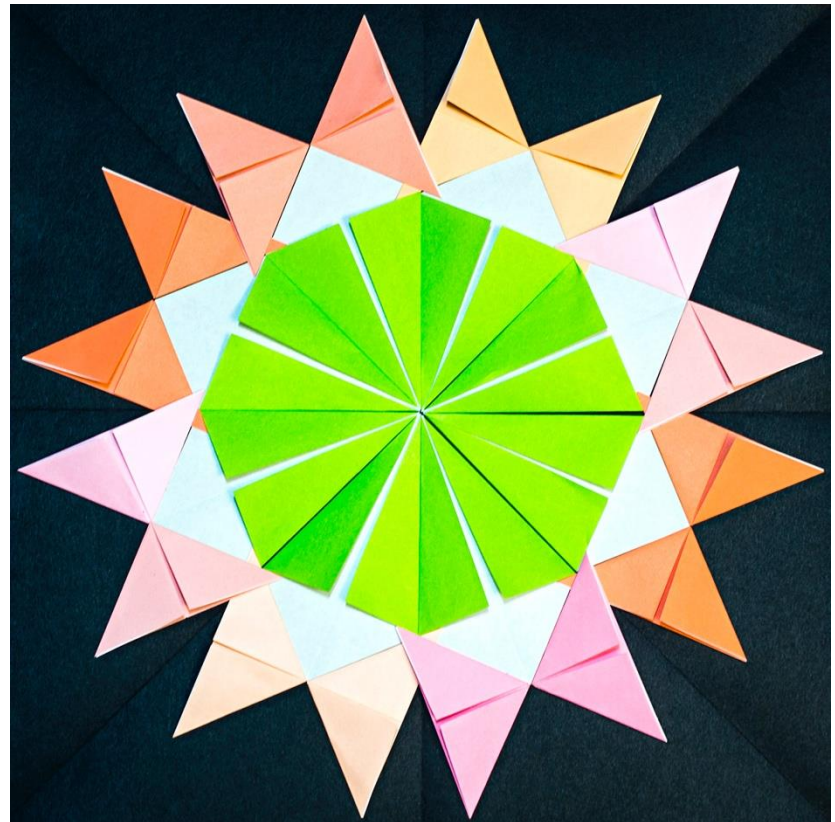
- LWSD Docent YouTube video: [Triangle Flap Fold](#)
- Glue another one opposite the first to make a sort of butterfly or bow tie shape.



# Step 7

First make 16 triangle flap folds, like this:

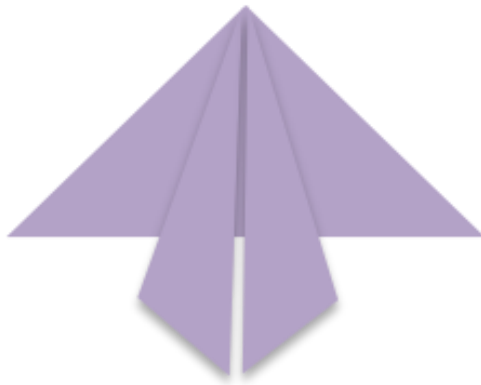
- LWSD Docent YouTube video: [Triangle Flap Fold](#)
- Glue the remaining 14 triangles following the same pattern, all lined up with the outermost point of the kite shape.



# Step 8

First make 8 pinched triangle folds, like this:

- LWSD Docent YouTube video: [Pinched Triangle Fold](#)
- For the first 8 folds, leave two sides open, like this:

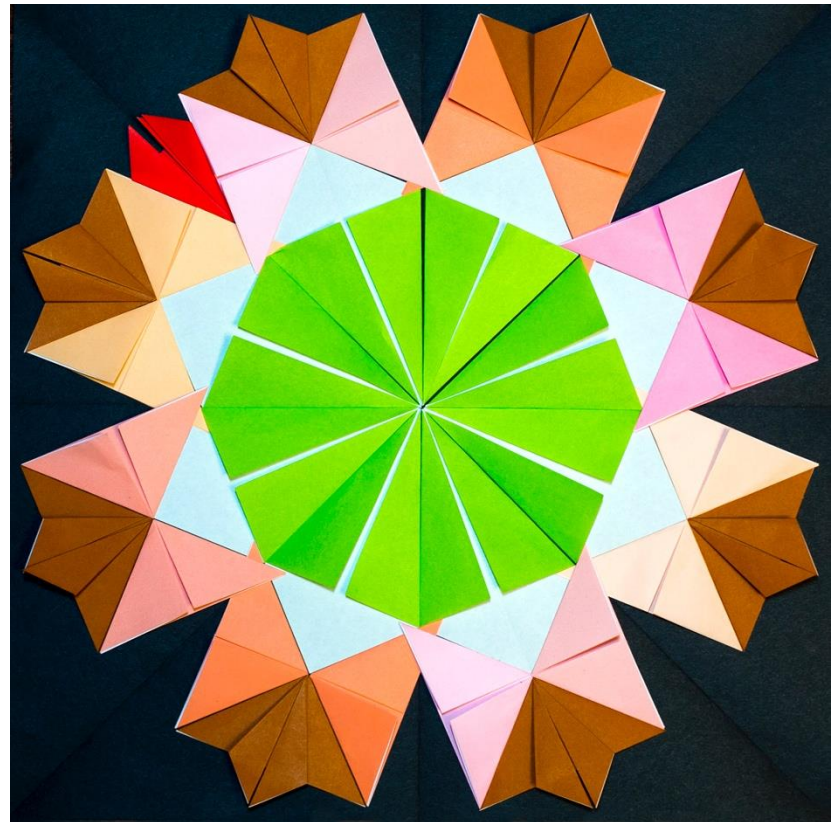
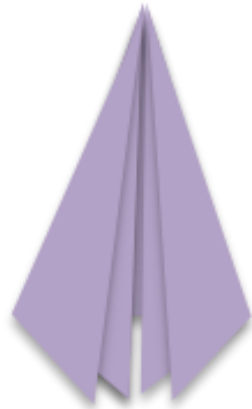




# Step 9

First make 8 pinched triangle folds, like this:

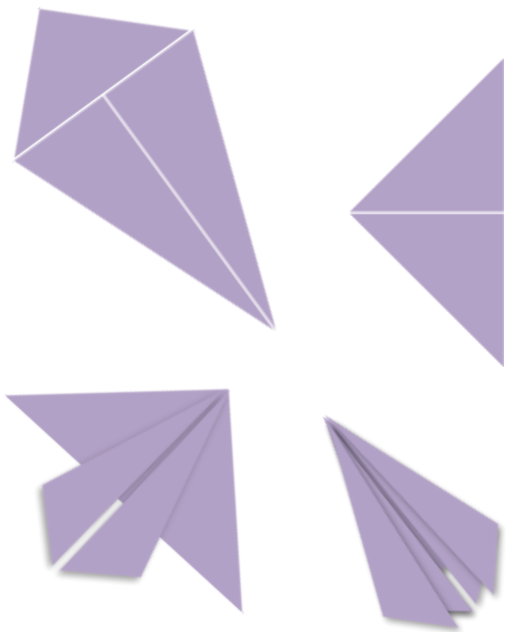
- LWSD Docent YouTube video: [Pinched Triangle Fold Variation](#)
- Glue the remaining 7 open pinched folds.
- Make 8 more of these, folding in all 4 of the flaps like this:
- Glue these into the last open spaces.



# Step 10

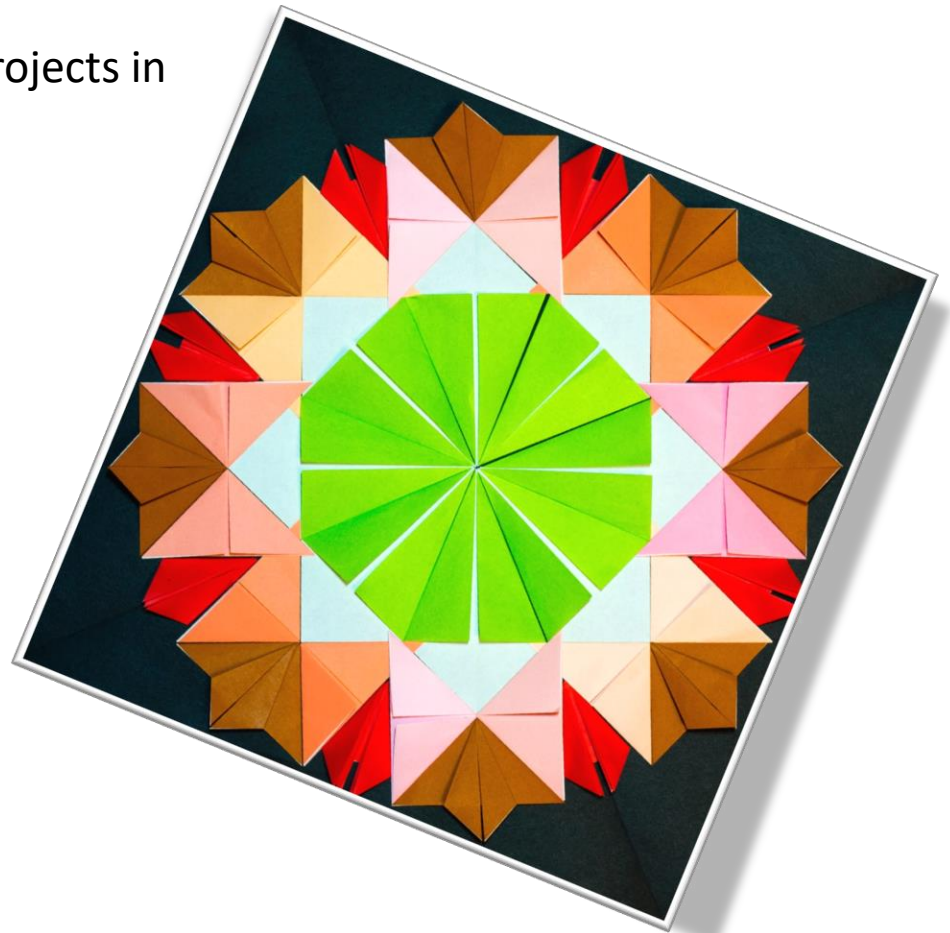
Congratulations!

You have achieved  
radial symmetry!



# Reflection

- Which was your favorite origami form to fold?
- Were there any challenges in today's lesson?
- Would you like to try more origami projects in the future?
- Would anyone like to share their art?



# Credits

1. About Akira Yoshizawa [https://en.wikipedia.org/wiki/Akira\\_Yoshizawa](https://en.wikipedia.org/wiki/Akira_Yoshizawa)
2. Lesson idea found at the Art with Mrs. Nguyen blog  
<http://www.artwithmrsnguyen.com/2014/05/radial-paper-relief-sculptures-4th5th.html>
3. Lake Washington School District YouTube Docent Playlist  
<https://www.youtube.com/playlist?list=PLN1Wlubk3Kogmv0MO87Q0iOuzZOBHOx0V>
4. Original LWSD sample art, used with permission.



The development of this Lake Washington School District art docent lesson was made possible by a grant from the Lake Washington Schools Foundation.

