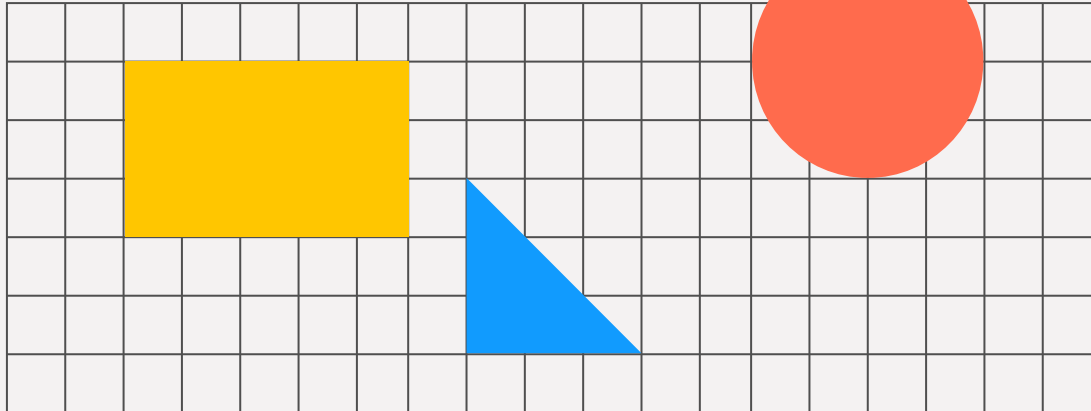


# Shapes/Patterns From Indigenous Artwork & The Symmetry Found Within

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EDMA 3200: Assignment 1  
Grade 4



# Indigenous Artworks



Spindle  
Whorls



Metis  
Beadwork



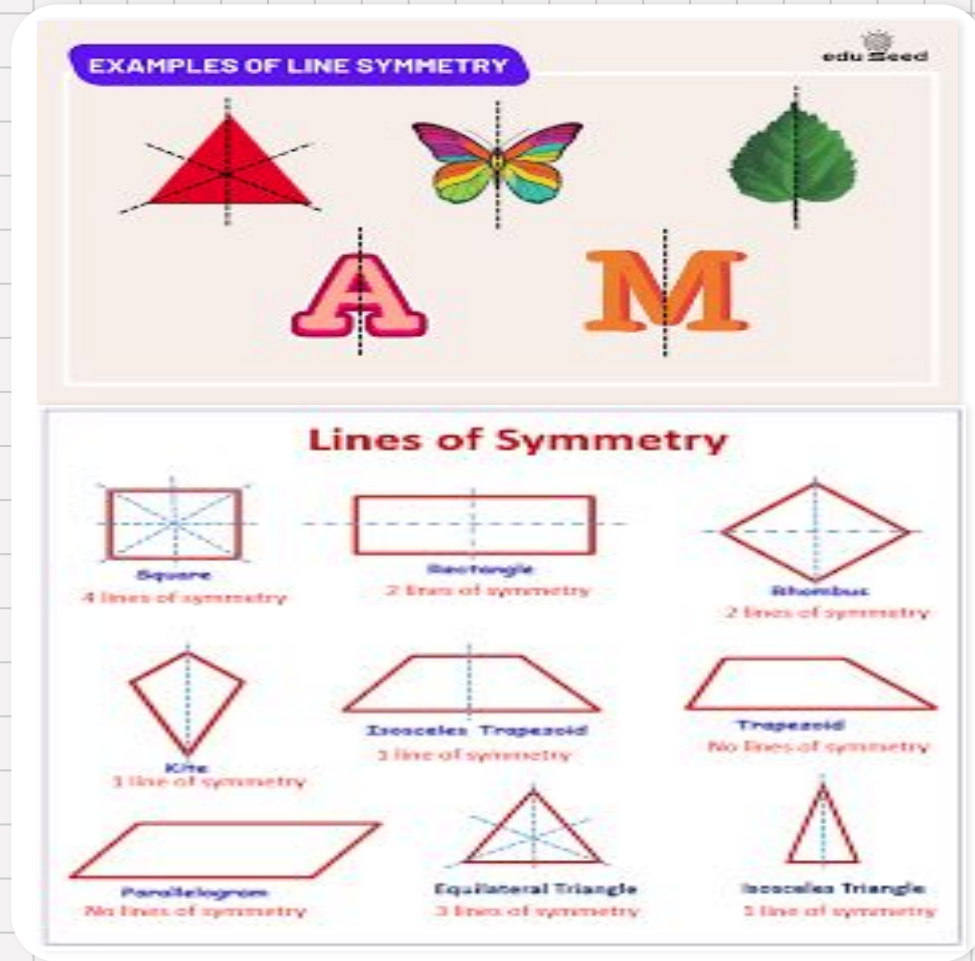
Haida  
Formlines

<https://www.vanartgallery.bc.ca/exhibitions/susan-point-spindle-whorl/>  
[https://ifloveropr.click/product\\_tag/29161886\\_.html](https://ifloveropr.click/product_tag/29161886_.html)

<https://www.historymuseum.ca/teachers-zone/haida-arts-and-technologies/formline-design/>

# What is Symmetry?

- Symmetry is the property where an object, shape, or system remains identical or balanced after a transformation, such as reflection, rotation, or translation.
- It occurs when an object has matching, proportional, or identical parts on opposite sides of a dividing line or around a central axis



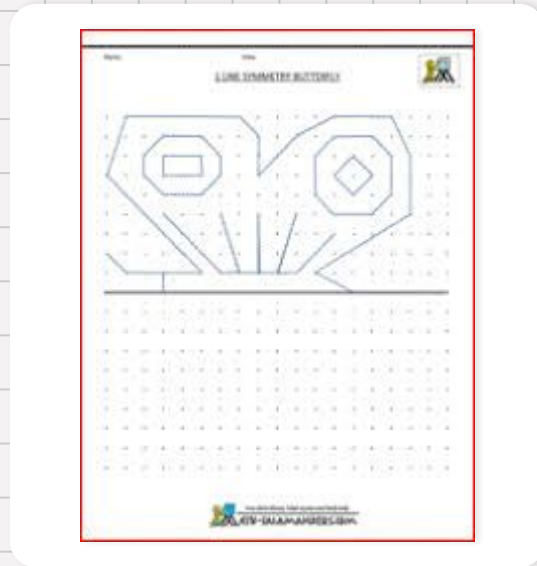
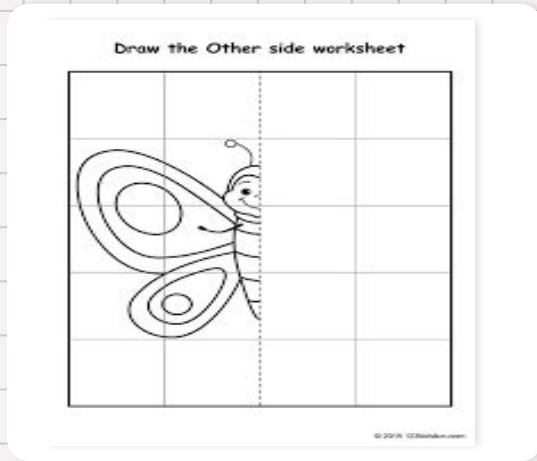
# Example Designs for Students to Trace

[https://saleroadvwx.com/product\\_tag/29257270\\_.html](https://saleroadvwx.com/product_tag/29257270_.html)



- This is where students get the chance to practice identifying the symmetry within the art.
- Having example pictures like these laminated, students can use dry erase markers to show their understanding of symmetry.
- It is important to ensure you have permission to use Indigenous artworks before you use examples like these for the activity.
- If not, using different shapes or symbols will do just fine for the practice.

# Activity: Create Your Own Symmetrical Indigenous Inspired Design



## Instructions:

- Students fold a square piece of paper in half
- On one side, they sketch a nature-inspired image (animal, plant, abstract pattern, or challenge themselves with a more complex design).
- Then, they fold or trace to complete the other side symmetrically
- Have students reiterate instructions before letting them start their work.
- **Optional** (If students finish early, allow them to add more patterns or colour to their symmetrical designs)
- **Optional** (Have templates with one half of an image that students can use if they struggle with the drawing)
- Have the low floor high ceiling options prepared beforehand.

<https://www.math-salamanders.com/symmetry-activities.html>

<https://www.pinterest.com/pin/274156696052086896/>

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