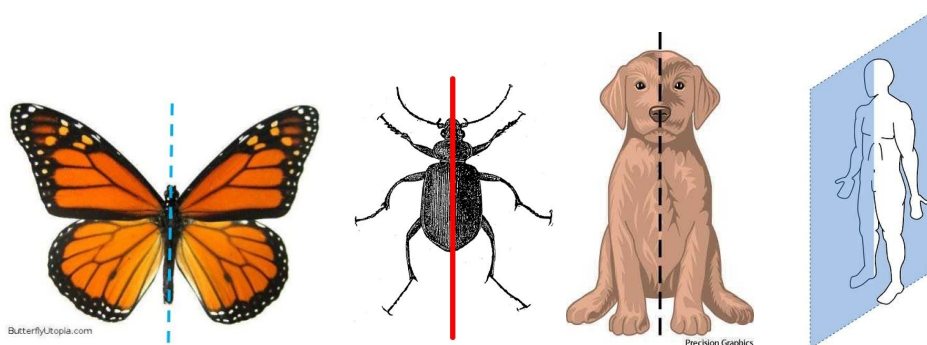




## Symmetry Drawings (K-2)

‘Symmetry’ is not just something we learn in math. There is symmetry all around us. When something has symmetry, it means that if you split it in half one side is like a MIRROR of the other: they are the same, but reflected!

The ‘split’ line is called the *symmetry line*, and sometimes it is clear, and sometimes it is imaginary. Look at these examples:



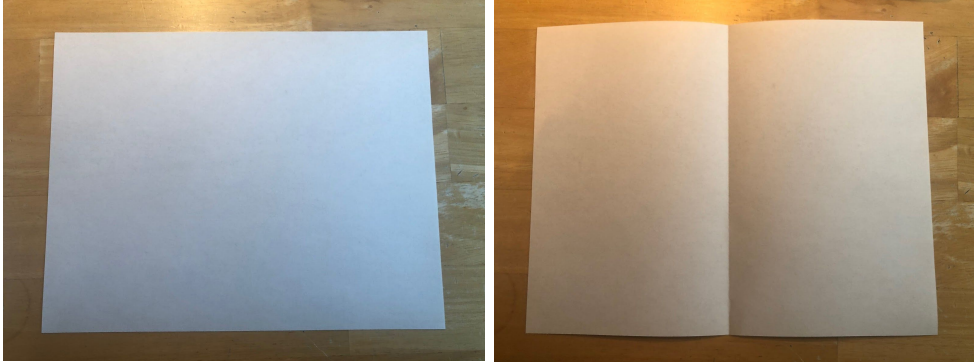
A butterfly’s symmetry line is the body of the butterfly, but a beetle’s symmetry line is imaginary, the same with the dog and a person!

**Learning Objectives:** Explore simple and creative ways of making symmetrical drawings without using rulers or graph paper!

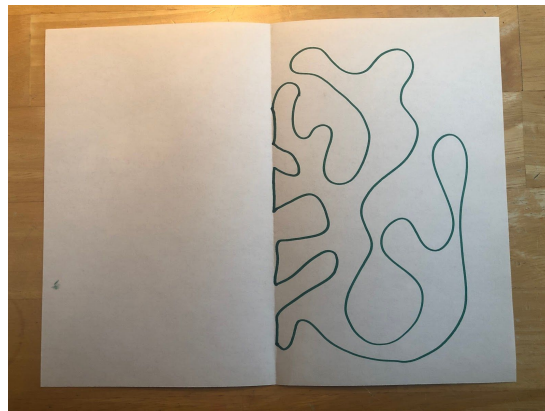
### Activity Plan:

You will need plain paper, a pencil, markers and color pencils!

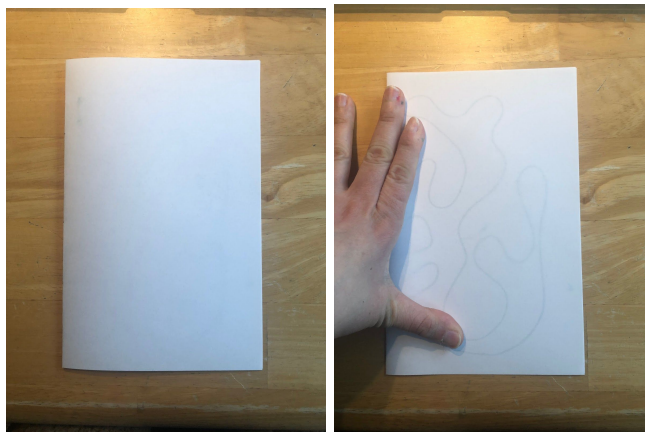
Fold your paper in half like this:



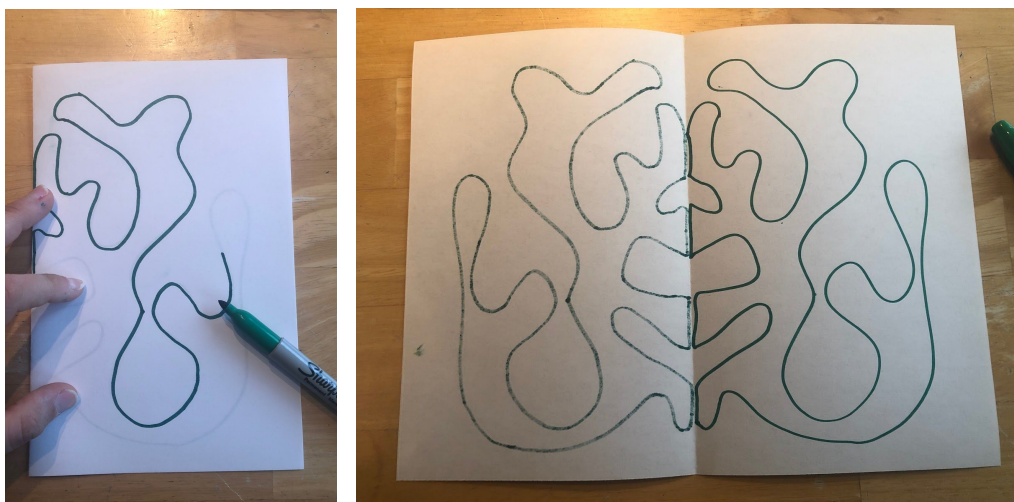
Get any marker and draw on **ONLY ONE SIDE OF THE PAPER**. Draw freely, it does not need to look like anything specific. Look at mine:



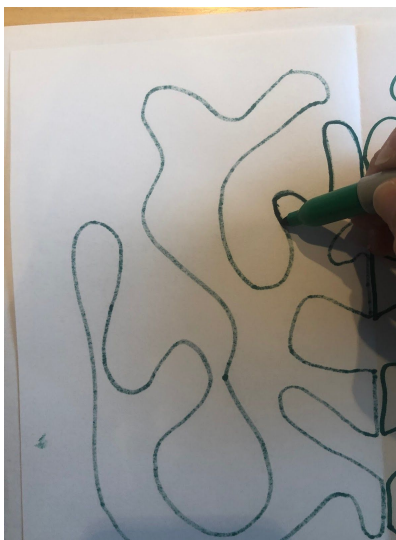
Fold the paper again (like a book) & push down to reveal the drawing you made



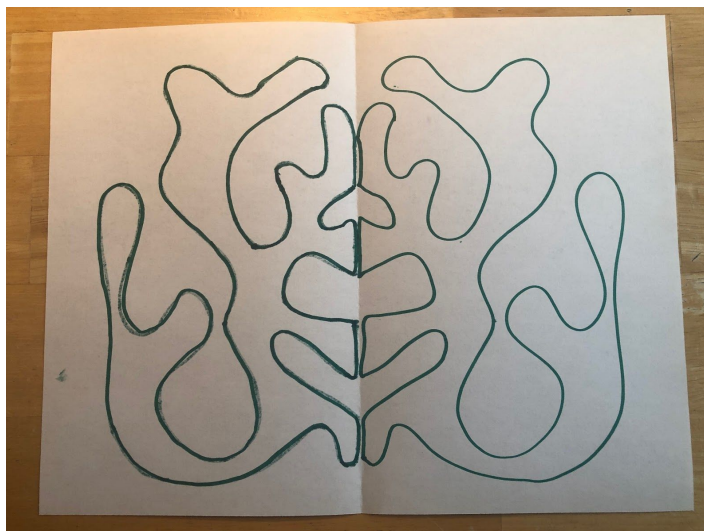
Use the same marker and trace what you see. When you are done, open the paper and see the mirror image already showing on the left! Look at mine:



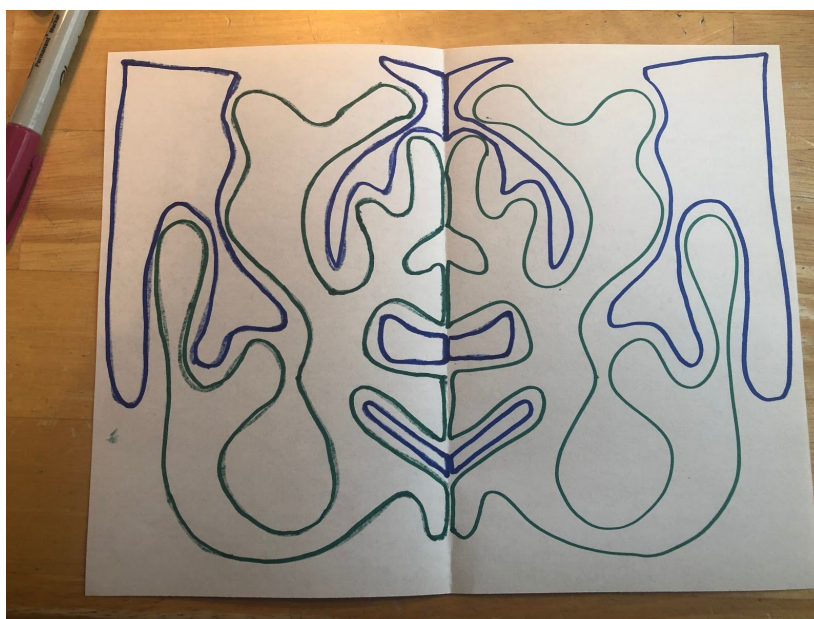
Now trace over that blurry side – because it doesn't look too good, right?



Once you are done it will look symmetrical and pretty cool. I didn't add color to mine, but you should color yours with color pencils or crayons! Just make sure the colors are the same on each side to keep it symmetrical.



I wanted to make mine more complex, so I added more lines ON ONE OF THE SIDES and followed the same steps as before to mirror them on the opposite side. Check it out! I'll have a lot of new areas to color in today.



**BONUS!!!!!!** Follow this link to make EASY symmetry drawing online! Make sure to turn on the sound so you can hear some characters react to your work!!!! <https://pbskids.org/peg/games/symmetry-painter>