

# Möbius Strip

The Möbius strip is notable because it has only one side and one edge. It looks like an infinite loop. An ant crawling along it would wind along both the bottom and the top and return to where it started.

The Möbius strip is not just a curiosity. It is used for practical applications, including conveyor belts that last longer because the entire surface area gets the same amount of wear and tear, continuous-loop recording tapes, and printing cartridges.

## Materials

- A long strip of paper (20x3cm)
- Clear tape or glue stick
- Scissors
- Pen/Marker

## Instructions

1. Take the strip of paper and bring the ends together.
2. Twist one of the ends 180 degrees before taping or gluing the ends together.
3. To prove it only has one side, take a pen or marker and draw a continuous line along the middle. You will be able to draw down the entire length of the strip and back to where you started.
4. Cut the Möbius strip in half and see what happens.
5. Make a new strip and put 2 twists in the paper. Cut that strip in half to see how the results have changed.

