

## Mobius Strip (Source: *Critical Thinking Puzzles*, Michael A. DiSpezio, 1996)

Here is one of the strangest loops you'll ever see. It's called a Mobius strip in honor of the German mathematician who first investigated its properties.



Image from: <https://mathcraft.wonderhowto.com/>

To build a Mobius strip, you need a strip of paper about 1 inch wide and 10 inches long. Coil the paper into a simple loop. Then put a single twist in the loop before securing the ends together with a piece of tape. Use a marker to color one side of the strip red and the other side blue.

Suppose you divide right down the middle of the Mobius strip. What shape would you get? Make a guess; then use a pair of scissors to carefully divide the strip.

[Read about its history here](#) after doing the activity!