

Math Magic

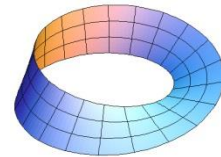
Turn Two Circles into a Square



1. Form one strip of paper into a circle (tape)
2. Loop the other strip of paper through the circle forming a chain (tape)
3. Tape the two circles together (both sides)
4. Carefully cut one circle in half lengthwise. Now you have two loops connected by one long strip.
5. Cut the remaining strip down the middle
6. Here's the magic, open it up!

<http://www.whatdowedoallday.com/2015/06/geometry-magic.html>

Mobius Strips



1. Cut strip at the bottom of this sheet of paper
2. Bring the two ends together to form a circle...twist the paper once so that the two Xs are on top of each other
3. Cut all the way around the circle lengthwise
4. ...but before you make the final cut predict what will happen when you make the cut and pull the pieces apart
5. Here's the magic, open it up!

<http://www.whatdowedoallday.com/2014/07/math-art-mobius-strip.html>

Why do it?

- It's a cheap and easy "program" that amazes people
- It conveys the idea that math can be fun!
- It encourages making predictions and thinking a little differently
- Topology: the mathematical study of strange shapes (like the universe and Mobius Strips!)

<http://www.livescience.com/51307-topology.html>