

## Making a Möbius Strip

Hold a piece of paper in your hand. How many sides are there? Obviously, there are two. Anyone can see that. Would you like to make a piece that has just one side? Here's how.

First, cut a one-inch wide strip from the paper (a length of at least 22 inches works best). Cut it from the long side. Next, twist the paper strip one time. Be sure you twist it only once. Then bend the strip into a loop. Keep the twist in it. Finally, overlap the ends and tape them together.

Now here's the fun part. Hand the strip to a friend. Ask him or her to tell you how many sides there are. Your friend will most likely say, "Two, silly. Anyone can see that!" Then ask your friend to use a pencil to draw a line along the strip without lifting the pencil. The line will cover the whole strip, which means it has no underside. There is only one side!

Now, just in case your friend underestimates the trick here, try these experiments. Have your friend use a marker to follow the edge of the strip. Be sure he or she does not lift the marker from the edge. How many edges do you think there will be? Then examine the loop. The loop has only one side. It also has only one edge.

Is your friend overwhelmed yet? Ask your friend what will happen if you cut the strip in half the long way. Try it. Insert scissors into the center of the strip the long way and cut it down the middle. What happens when you subdivide the strip? (*The cut forms one longer strip, which now has two sides.*)

**Resource Links** **1** RDI Book 1: p. 381**SAM Keyword:** Instructions

Use with page 325.

Name \_\_\_\_\_

## Sequence of Events

Things that happen in a story or in real life are called **events**.  
A **sequence** is the order in which events take place. Try these ideas to help you keep track of the order of events in a text.

- Watch for time-order words, such as *first*, *next*, *after*, *then*, and *finally*.
- Look for clues that something might be happening out of order.

Write one event in each box in order.

**Passage:** \_\_\_\_\_

A vertical sequence of four rounded rectangular boxes, each intended for writing an event. The boxes are connected by downward-pointing arrows, indicating the chronological order of events.

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**Resource Links**

**1** RDI Book 1: p. 393  
**SAM** Keyword: Sequence

Use with pages 290, 291, 325, and 326.

