

Math in Motion: Build Your Own Paper Spinner

with Yana Mohanty

In order to make the most of our 15 minutes together, please complete the following tasks before the session begins.

Gather materials

- Two (2) sheets of 8.5" x 11" (or size A4) card stock, ideally in two (2) different colors; manila folders cut to 8.5" x 11" will also work
- Scissors
- Tape

Create Spinner Template

NOTE: The images on the two pages of the template are not identical. If possible, print them on two different colors to help you tell them apart.

- Print this two-page [Spinner Template](#) onto two (2) separate pieces of card stock or manila folders.
- If you do not have a printer, you can follow these instructions [How to Draw a Hexagon](#) to draw 2 hexagons onto your paper using a straightedge and compass.
MORE FUN: Even if you have access to a printer, this is a nice construction to do. Your hexagon needs to be drawn precisely in order for the spinner to work. Find the midpoint of each side of your hexagon and draw the tabs on it as shown on the Spinner Template. The tabs need not be the same as in the Spinner Template provided, but they should all be symmetric and identical to each other.
- Label the templates #1 (from page one of the template) and #2 (from page two of the template.)

Prepare your spinner for construction

- Cut out templates #1 and #2.
- Fold templates #1 and #2 along all lines, making sharp, clean creases so they look like this:



We will do some more folding and taping to complete the spinner during the session. Looking forward to meeting you!