

Multiplication Flower Wheel

Practice your times tables with a DIY spinning Multiplication Flower Wheel craft—an engaging back-to-school activity to test your skills.

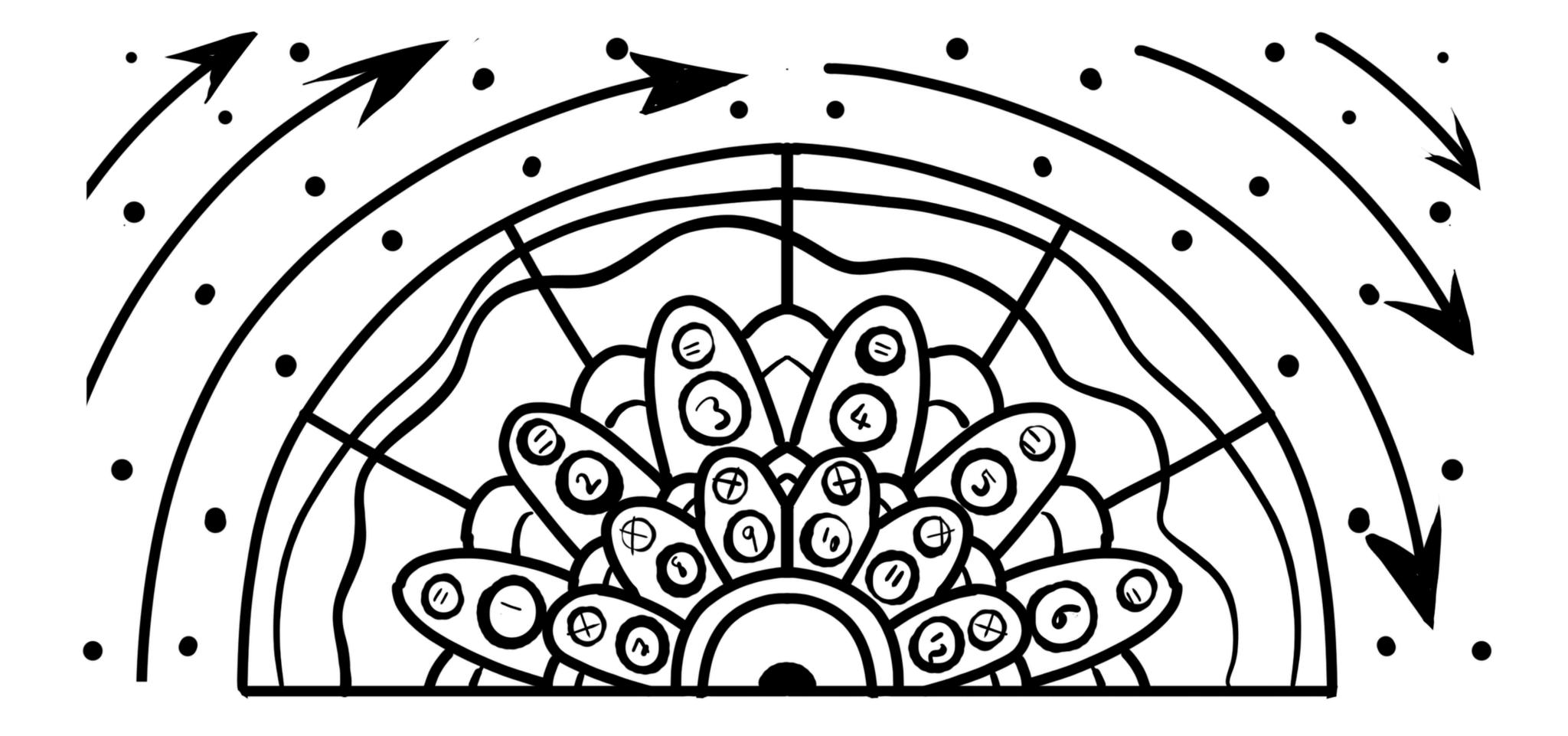
Materials Needed for the Multiplication Flower Wheel:

- Printout
- Cardstock/colored paper/paper layers (optional)
- Colored pencils/markers
- Glue Stick
- Sharp Pencil
- Split pin
- Compass /divider/sharp pencil
- Eraser/carboard layers (for the hole puncturing)
- Scissors

Reusable Methods and Materials Needed:

Speak with your parents to select one of the following methods.

- If you don't have access to lamination techniques you can exclude Wheel D and use the spinner on any paper, flip file, whiteboard or slate:
 - Use creative ways to secure the spinner on the page/slate with paperclips, a magnet or sticky tack to make it removable and reusable.
- Using a laminator makes the pieces durable and reusable:
 - This can be done at your print shop.
 - Use dry erase markers and a tissue for your laminated project.
- DIY Lamination at home:
 - Lamination sleeves/clear freezer bags/ziploc bags.
 - Make sure the size of the sleeve can fit the wheels and is thicker than a file sleeve.
 - o Parchment paper/baking sheets (front and back of the plastic).
 - Iron (with no water or steam on a medium heat).
 - Ironing board.
 - Whiteboard markers and a tissue for when you use your laminated project.



Instructions:

Prepare Your Workspace:

• Gather all the materials and tools you need.

Preparing the Flower Wheel:

- Optional Make your flower wheel sturdy by gluing the cardstock to the back of your printout.
- Color in your flower wheel using any colors you'd like.
- Make sure the numbers are in light and bright colors so you can easily see the circled numbers, text and sum symbols.
- Cut out each of the wheels you have decided to use.

Laminating your DIY pieces with Adult Guidance:

- Make sure to remove any dust or dirt on your wheels.
- Put each of your wheels into a lamination sleeve ensuring there's plenty of empty space around each of your wheels.
- Place the lamination sleave in-between 2 baking sheets covering the plastic on an ironing board.
- Wait for the iron to heat up.
- Iron the top the baking sheet stack evenly on the wheels and the plastic around them.
- Flip the baking sheet stack and iron the back.
- Repeat and check that the plastic has bonded around the edges of each of your wheels. Try to smooth out bubbles.
- Let the sleave cool down.
- Cut out your laminated wheels leaving a border of clear plastic around each wheel.

Assembling your wheels:

- Puncture holes into the centers of each of your wheels.
- Use a sharp pencil to thread the holes to fit the widths of your slit pins.
- Join each of the wheels in alphabetical order to your split pin.
- Push each pin straps to your wheel.
- Test the spin and adjust if it's too tight.
- Use markers and test out your math skills!