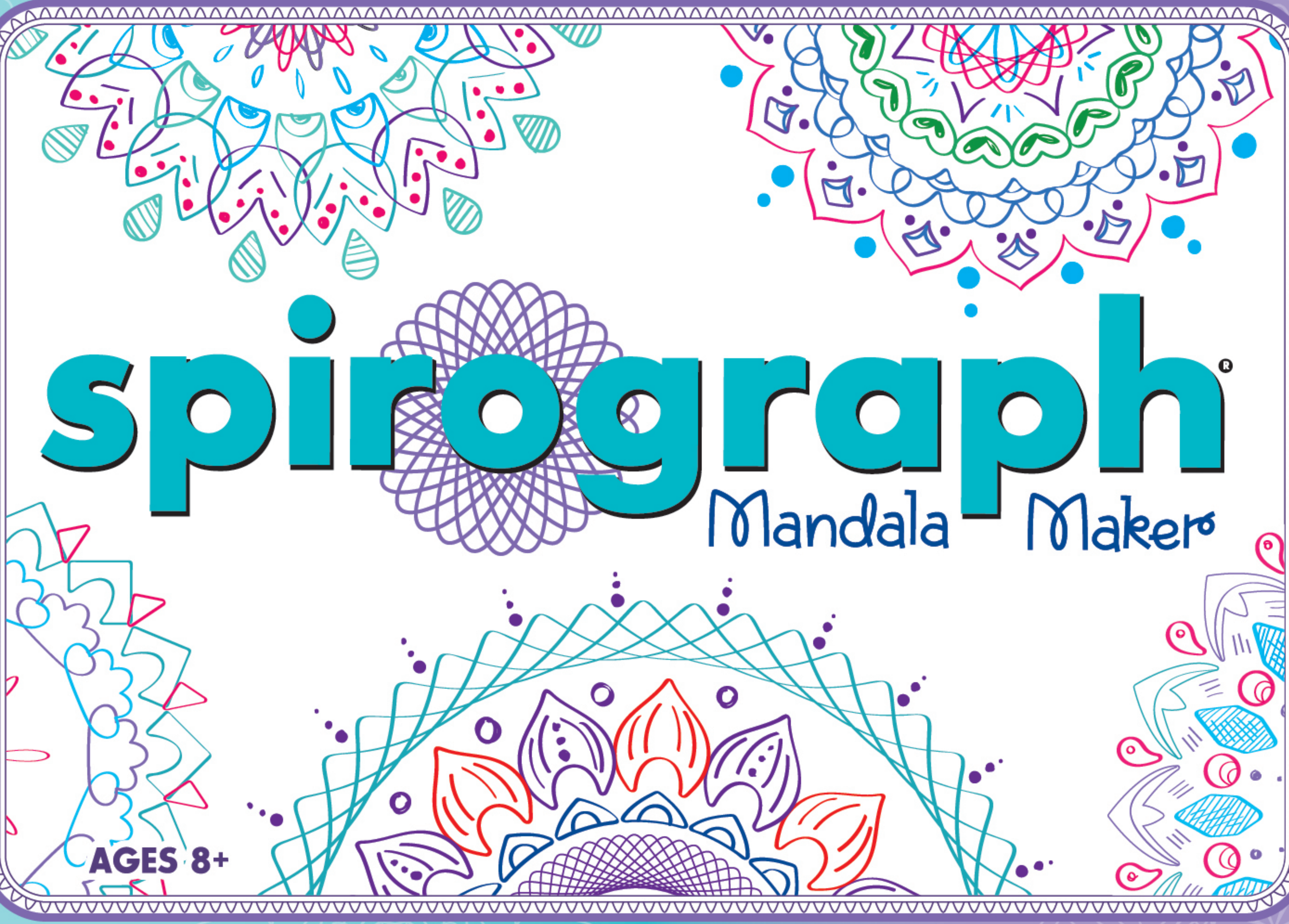




spirograph[®]

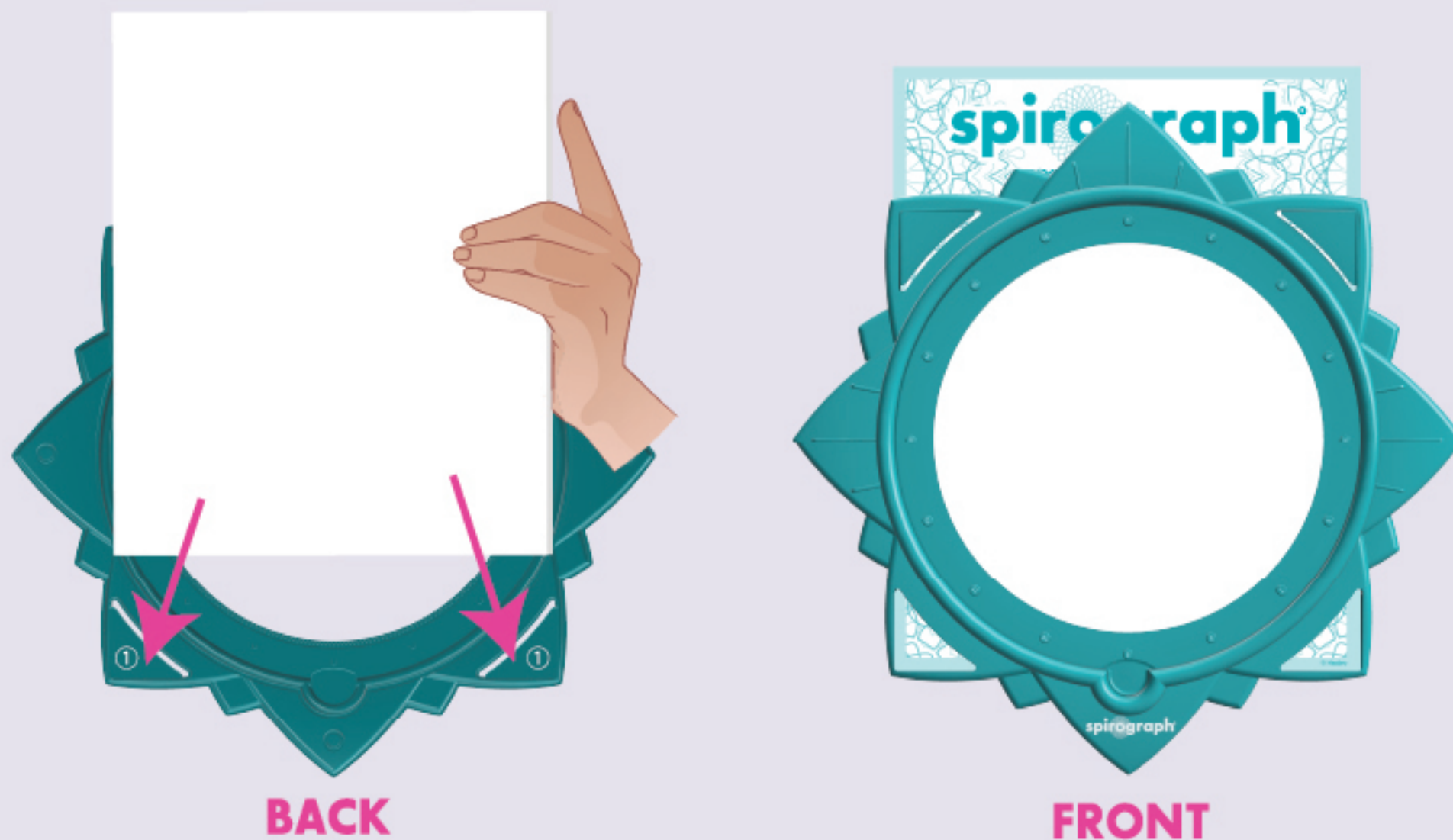
Mandala Maker[®]

AGES 8+

Getting Started

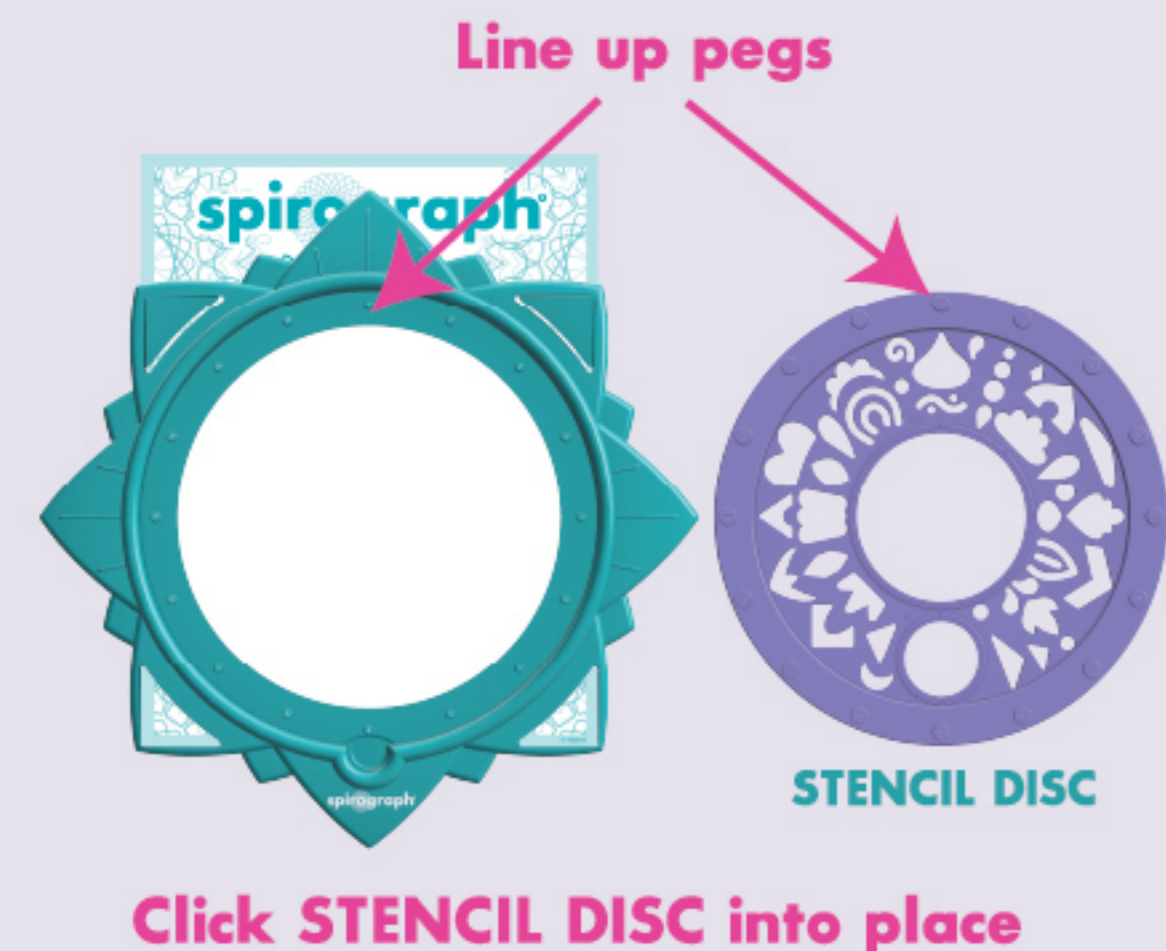
Use the Spirograph® Mandala Maker to create **amazing mandala designs** by drawing a combination of Spirograph® patterns and tracing mandala stencil shapes!

1. Place the **FRAME** face down and insert the paper into the two bottom corners. Turn the **FRAME** and paper back over and place on a hard work surface.



- Use the slots marked ① for the paper included in this kit and for any 8.5" x 11" paper (US Letter size). Use the slots marked ② for any 210mm x 297mm paper (A4 size).
- Use only TWO paper slots. The paper will stick out beyond the frame.
- Make sure to protect your workspace with an extra sheet of paper or a placemat under your drawing.

2. Choose your **STENCIL DISC** and place it on the frame's pegs.



The Mandala Maker includes **4 WAYS TO DRAW**— *combine them* to make amazing patterns!

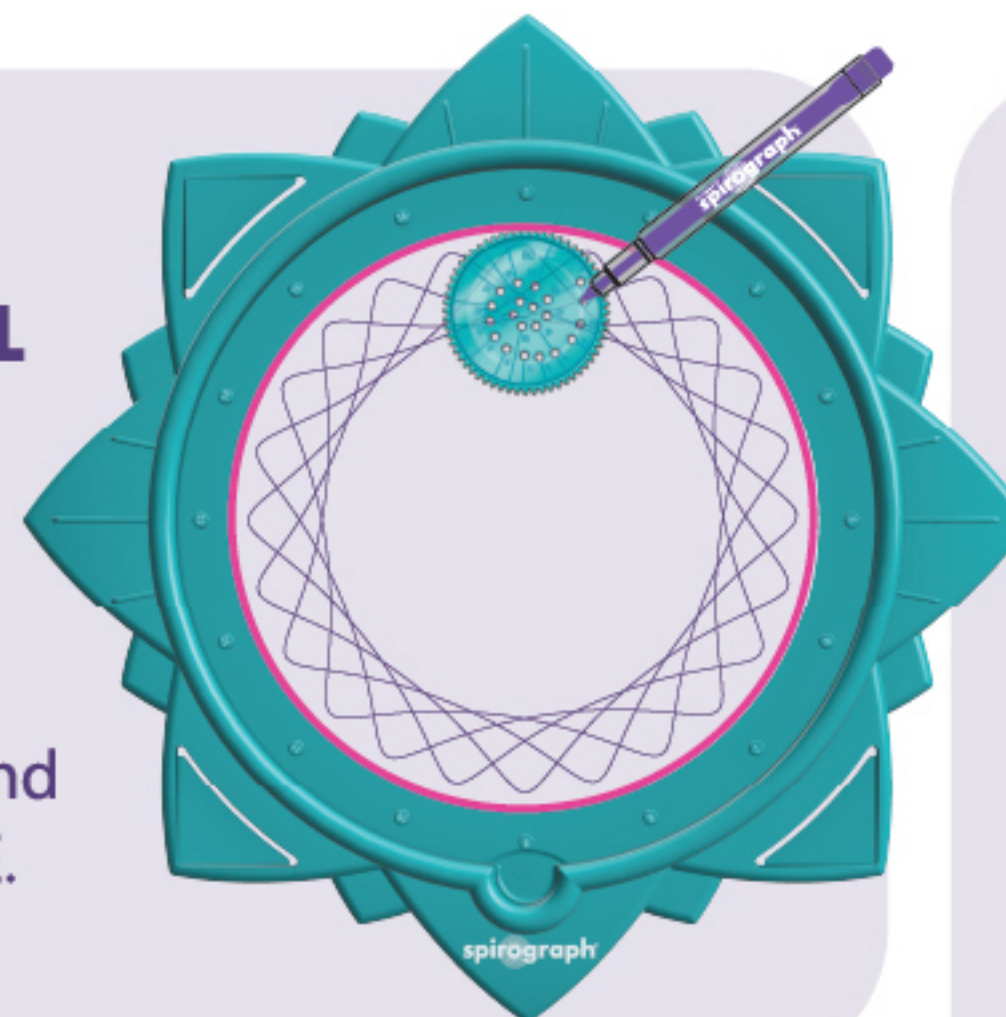


Draw with a Spirograph® WHEEL inside the DISC'S CENTER RING.

Keep the STENCIL DISC stationary in the FRAME for this method.

Tip: Spirograph® Wheels can be used wherever there are Spirograph® teeth.

Draw with a Spirograph® WHEEL inside the large FRAME RING.
Remove the STENCIL DISC and draw with a Spirograph® wheel around the teeth of the FRAME.

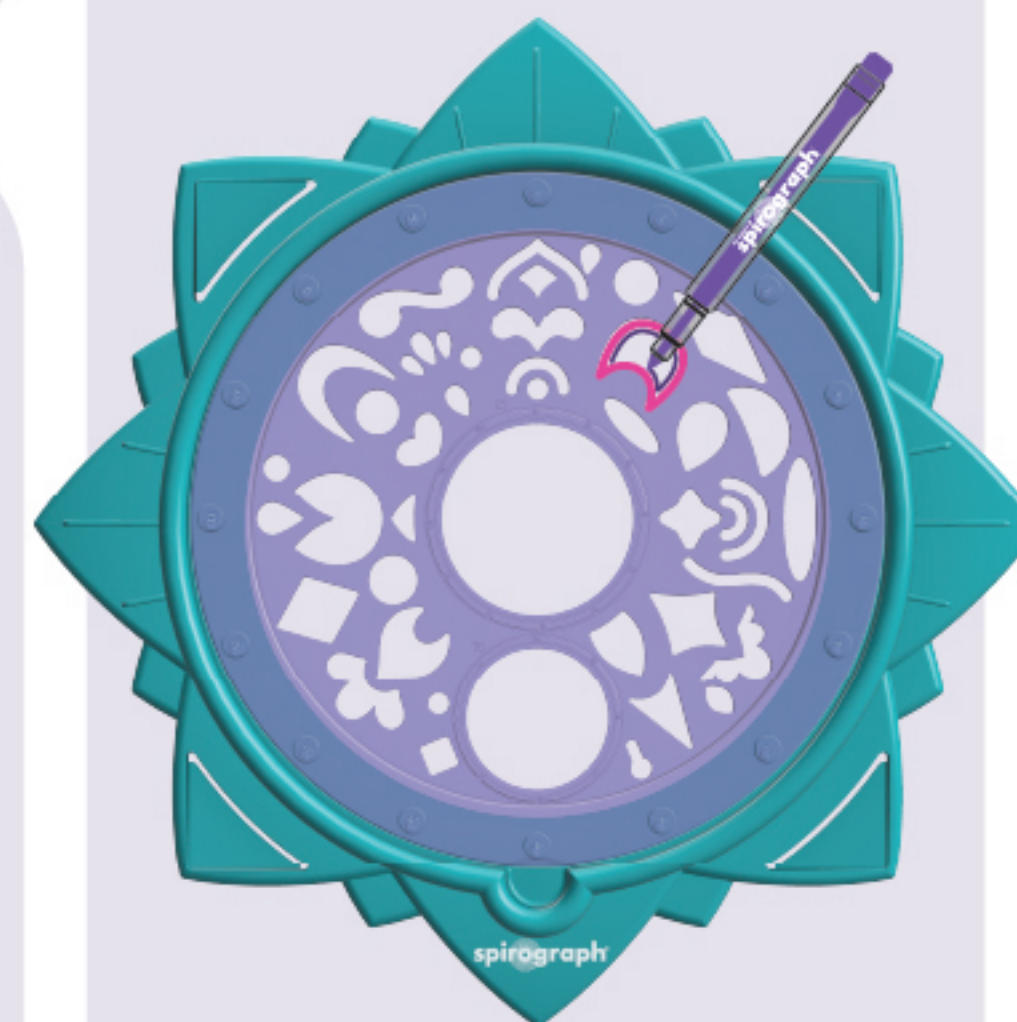


Draw with a Spirograph® WHEEL inside the DISC'S EDGE RING.

Draw one Spirograph® pattern, rotate the STENCIL DISC to the next position, draw another Spirograph® pattern, and repeat.

Tip: Use wheels 30, 40 or 45 in RING 58. Use wheels 30, 40, 45, 52, or 60 in RING 72.

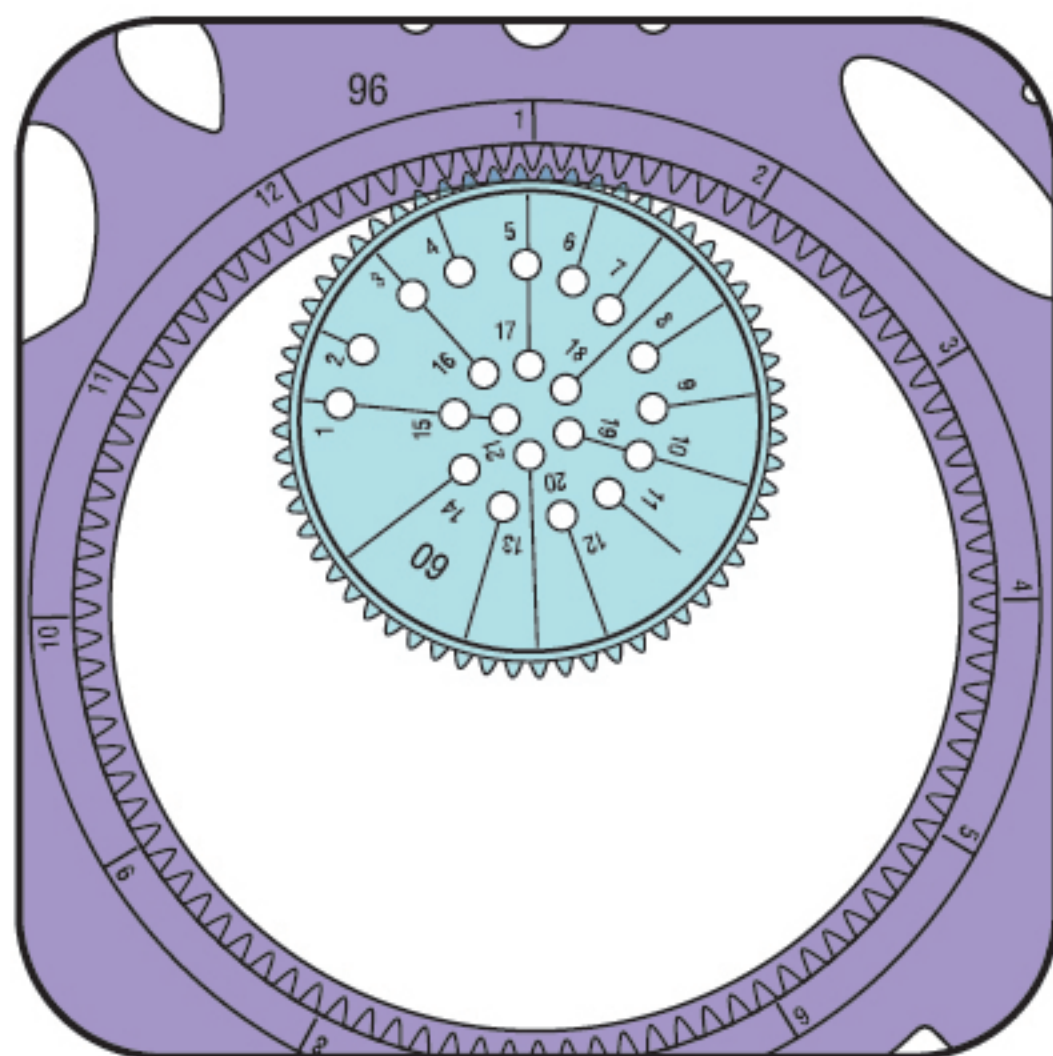
Trace a STENCIL SHAPE, then rotate and repeat. Trace one stencil shape, rotate the STENCIL DISC to the next position, trace the same shape again, and repeat.



Tip: See page 7-8 for more detailed instructions.

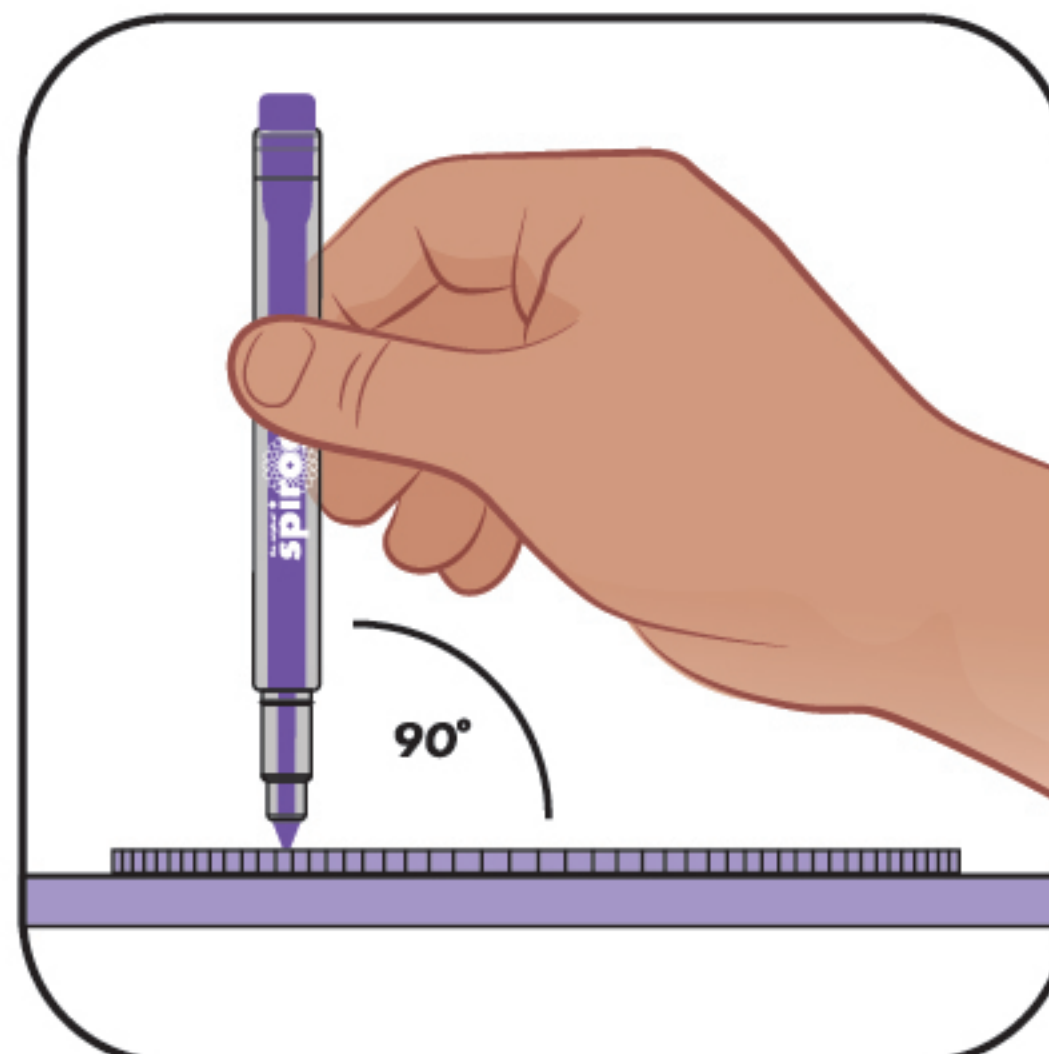
Drawing with Spirograph®

Follow these basic instructions to draw Spirograph® patterns in the **CENTER RING OR EDGE RING** of the **STENCIL DISCS**, or in the **FRAME RING**.



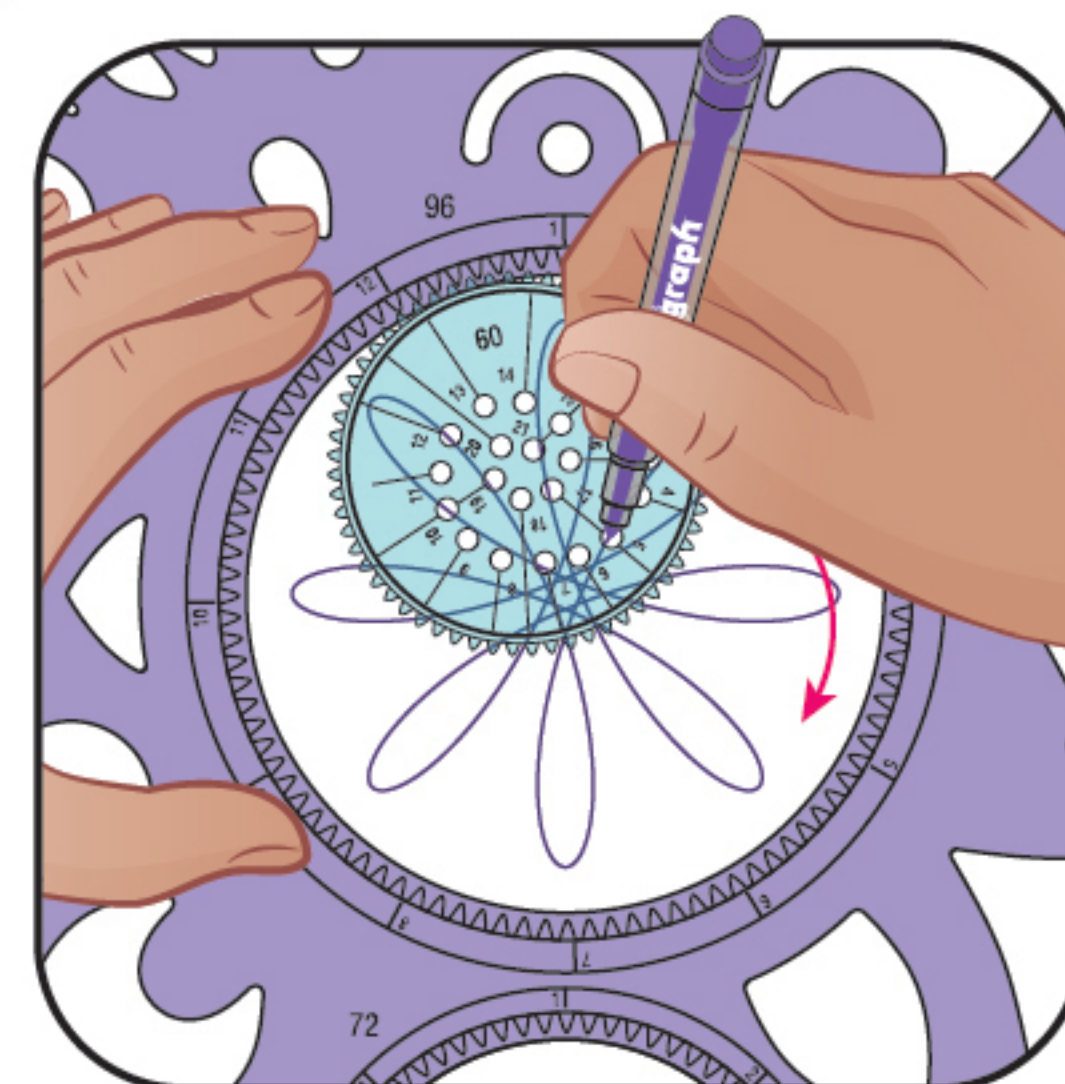
1. Place a Spirograph® **WHEEL** inside one of the **RINGS**, under the lip. Interlock the teeth of both pieces as shown.

Be sure the wheel is placed UNDER the inner lip on the ring. The lip will help keep the wheel in place as you draw.



2. Place a marker, pen, or pencil into one of the numbered holes in the **WHEEL** at a 90-degree angle as shown.

If you are using a WHEEL or WHEEL HOLE that you have never used before, it is a good idea to do a few test designs on a piece of scrap paper so you can become comfortable with the movement of the pieces.



3. With one hand gently holding the **STENCIL DISC** (or the **FRAME**) flat in place, slowly rotate the **WHEEL** around the inside of the **RING**, until the line of your design meets where it started.

Always keep the pen in an upright position and keep the WHEEL teeth in contact with the RING teeth while drawing. Draw slowly to avoid slipping of the gears.

Using the Markings

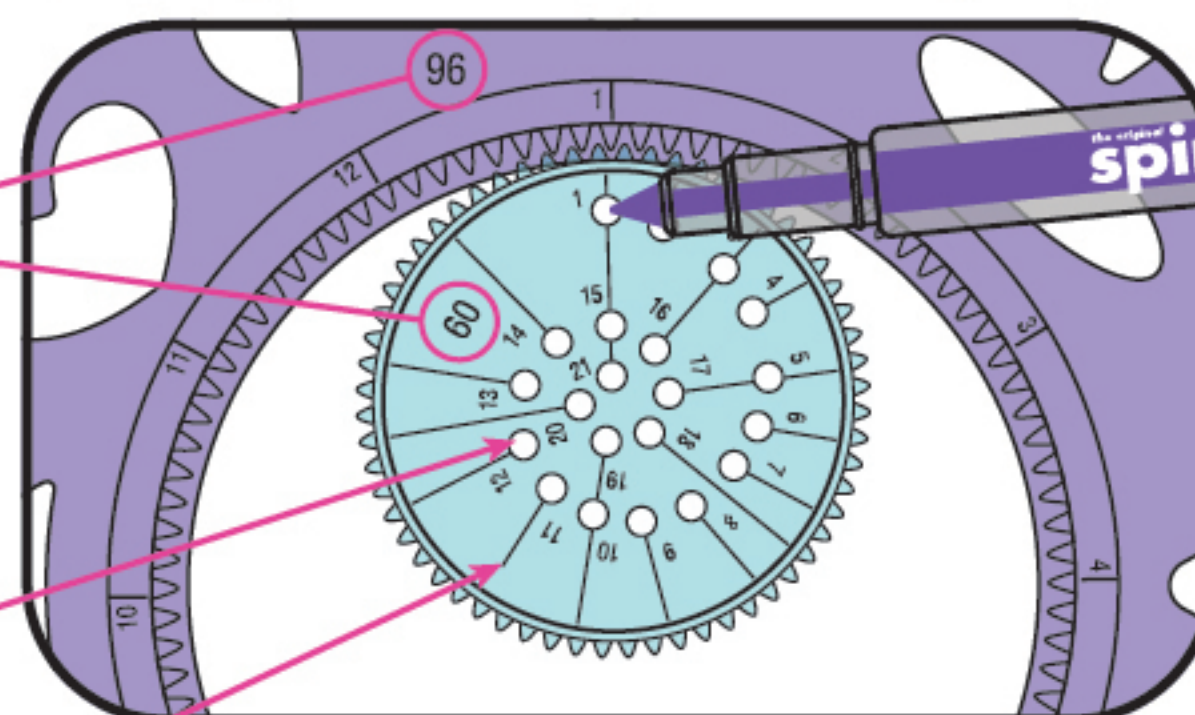
Using the **POSITIONING LINES** to begin your design at different starting points along the **RING**, you can create more complex patterns. The design below uses **HOLE No. 1** on **WHEEL No. 60**, using a different color pen for each starting position.

The large numbers engraved on each of the **WHEELS** and **RINGS** indicate the number of teeth.

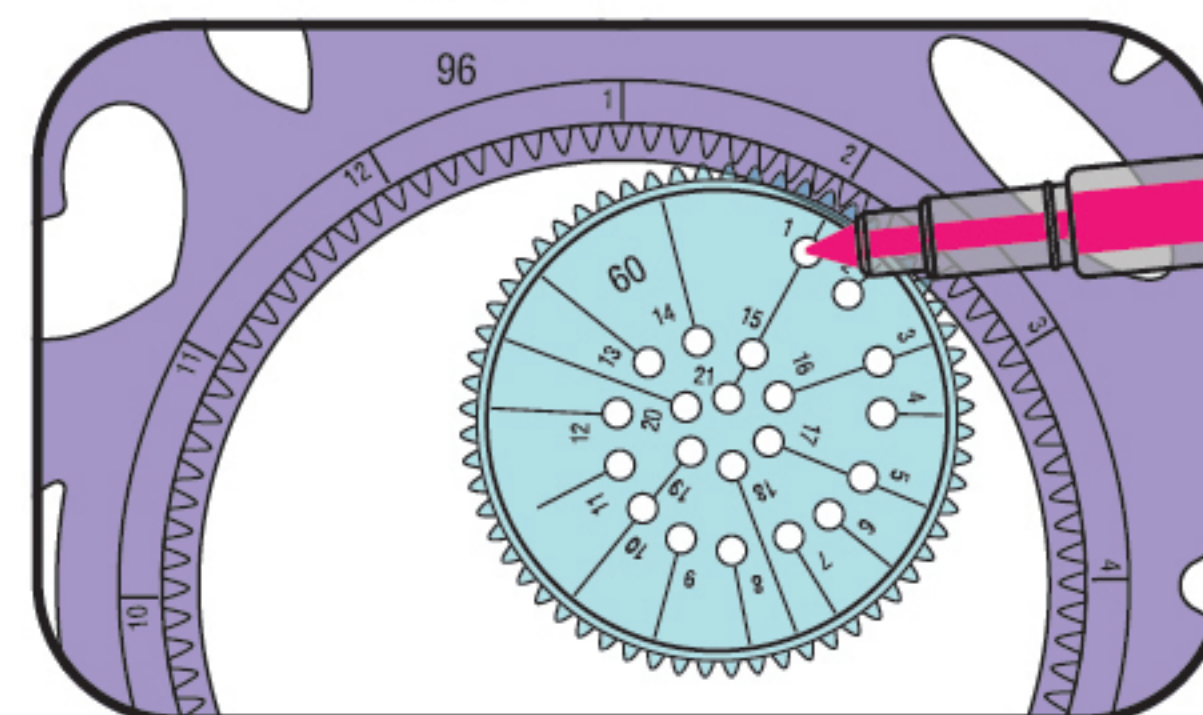
Each numbered **HOLE** produces a slightly different pattern.

The **POSITIONING LINES** are used to align the different starting points for your patterns.

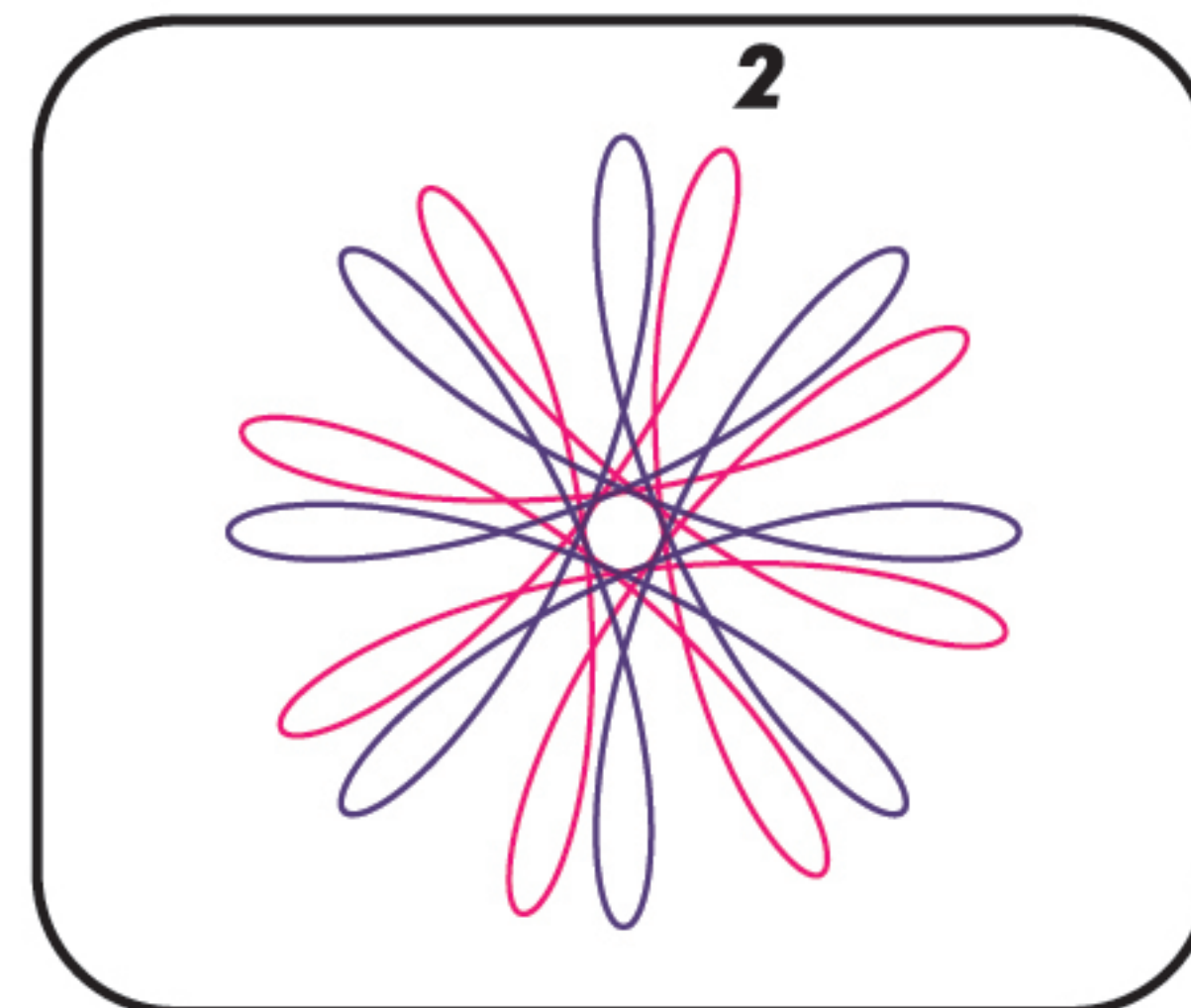
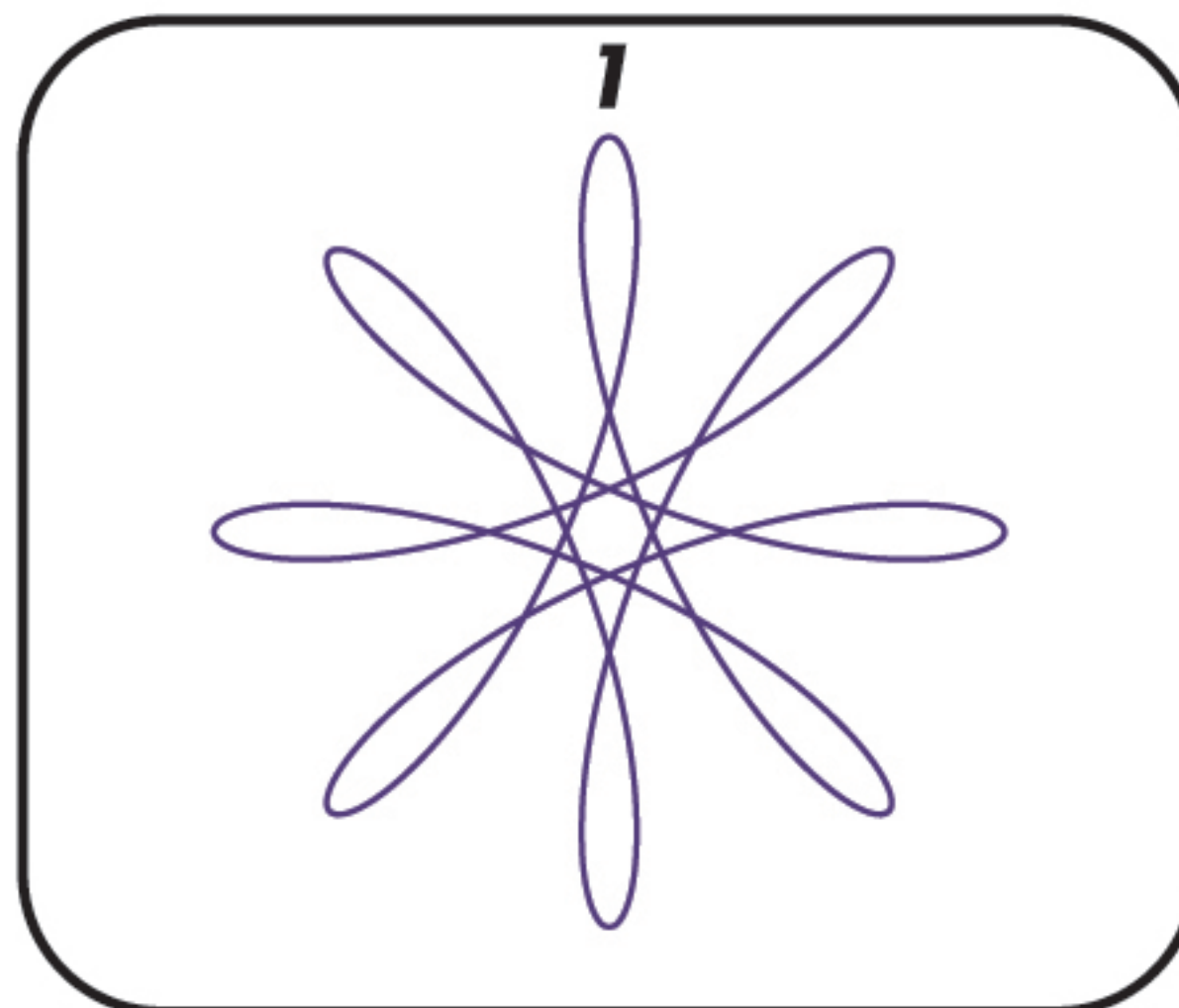
Start your Spirograph® designs using the **POSITIONING LINES** to align them with the mandala designs you add with the **STENCIL DISC**.



HOLE No. 1 in **Starting Position No. 1** on the RING 96.

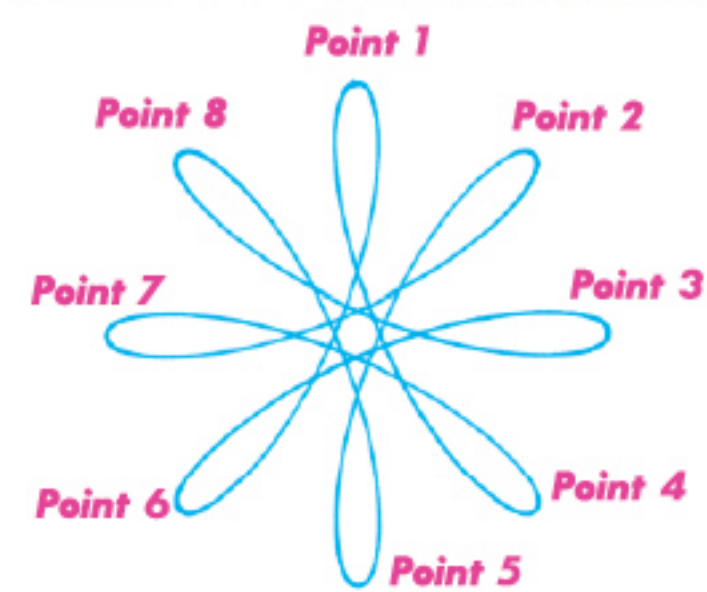


HOLE No. 1 in **Starting Position No. 2** on the RING 96.

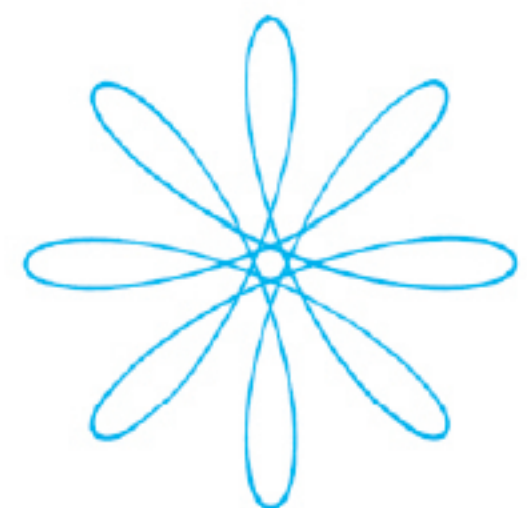


Wheel Holes

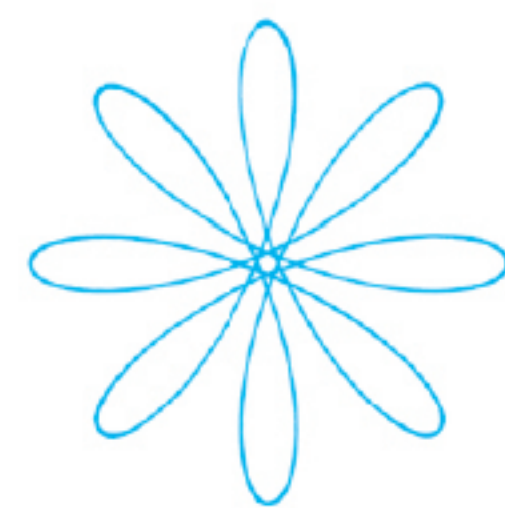
The number of teeth on a WHEEL and RING determines the number of points on the pattern.
 The examples below were drawn by using every hole on WHEEL No. 60 in RING 96.
 You can see that while the shape of the pattern changes, the number of points stays the same.



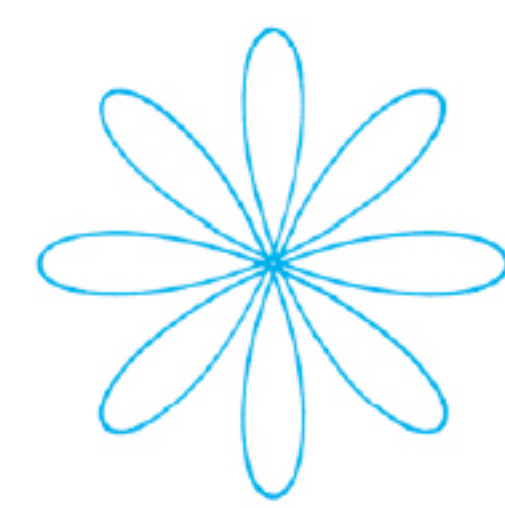
Hole No. 1



Hole No. 2



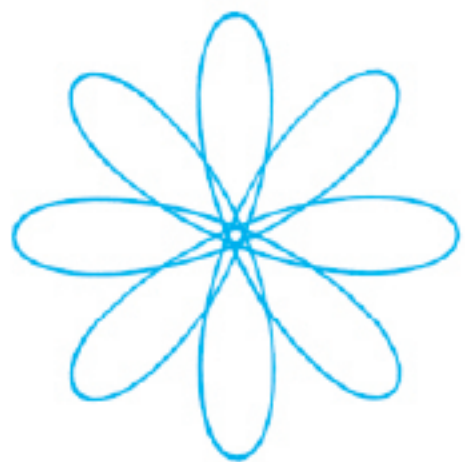
Hole No. 3



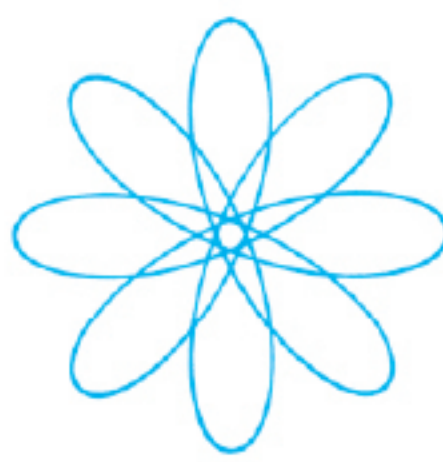
Hole No. 4



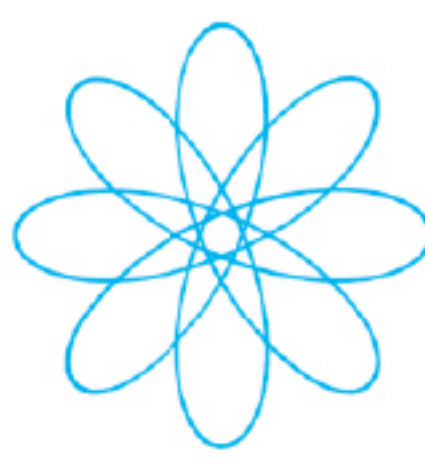
Hole No. 5



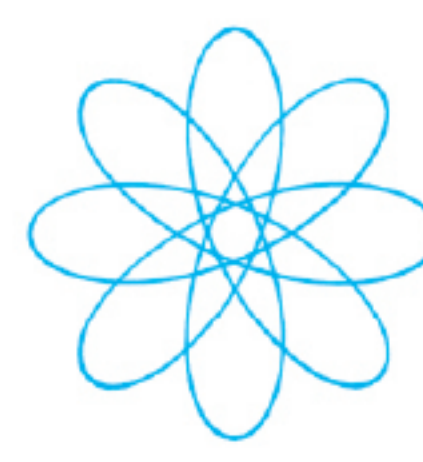
Hole No. 6



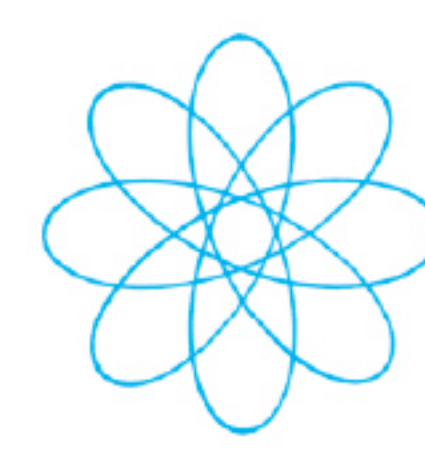
Hole No. 7



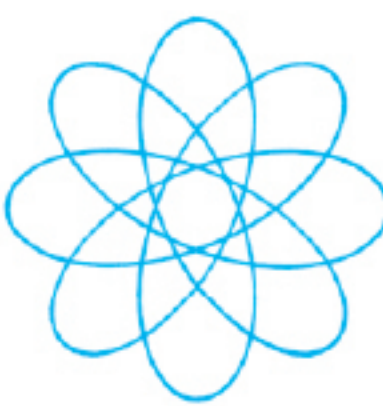
Hole No. 8



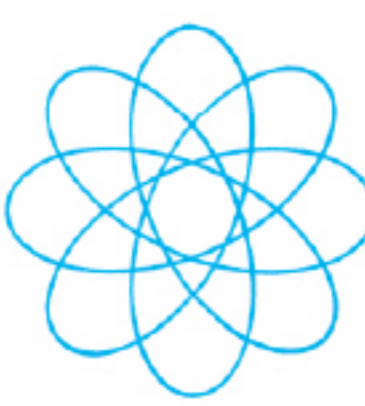
Hole No. 9



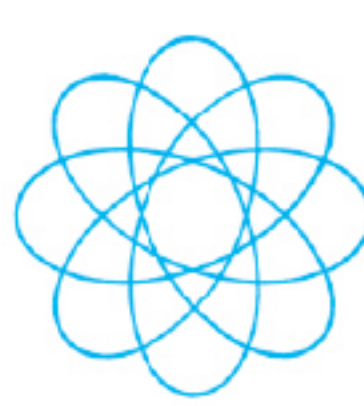
Hole No. 10



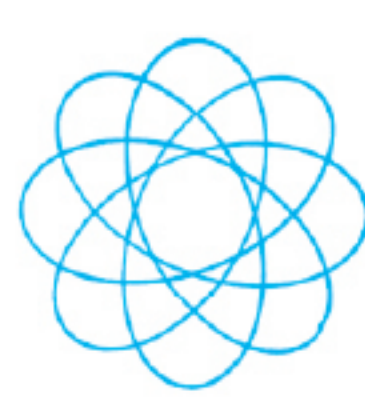
Hole No. 11



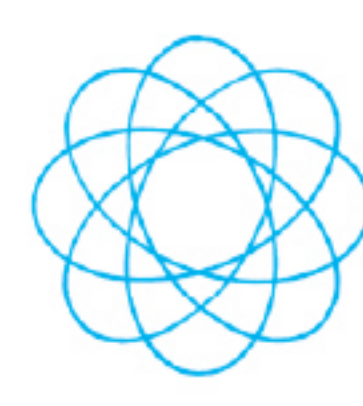
Hole No. 12



Hole No. 13



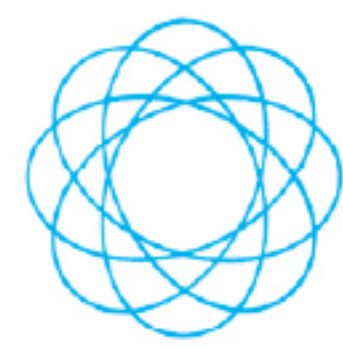
Hole No. 14



Hole No. 15



Hole No. 16



Hole No. 17



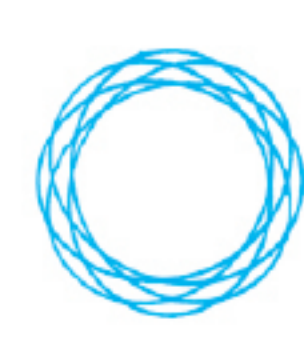
Hole No. 18



Hole No. 19



Hole No. 20



Hole No. 21

Spirograph® Design Ideas

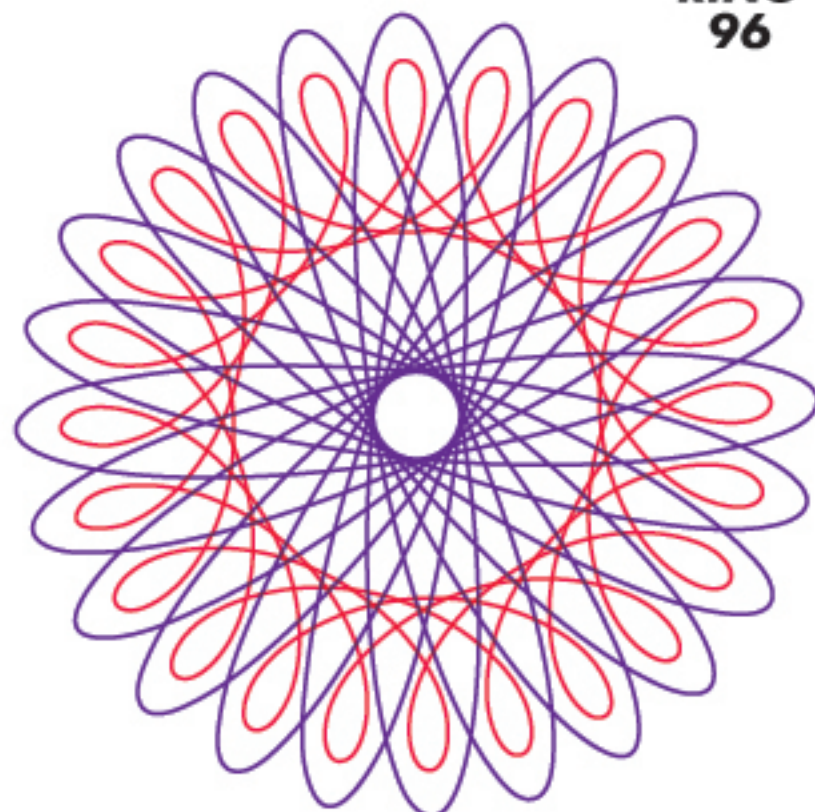
RING
96



HOLE: 1



HOLES: 5-5-5-5



Place Wheel No. 52 so that Hole 1 lines up with POSITIONING LINE 1 on RING 96.

With the **Purple Pen in Hole 1**, draw a pattern until the line meets where it began.

Holding the RING in position, place Wheel No. 80 so that Hole 5 lines up with POSITIONING LINE 1 on the RING and draw a pattern with the **Red Pen in Hole 5**.

Align Hole 5 four teeth to the right of where the last pattern began and draw another pattern with the **Red Pen in Hole 5**. Repeat twice more.

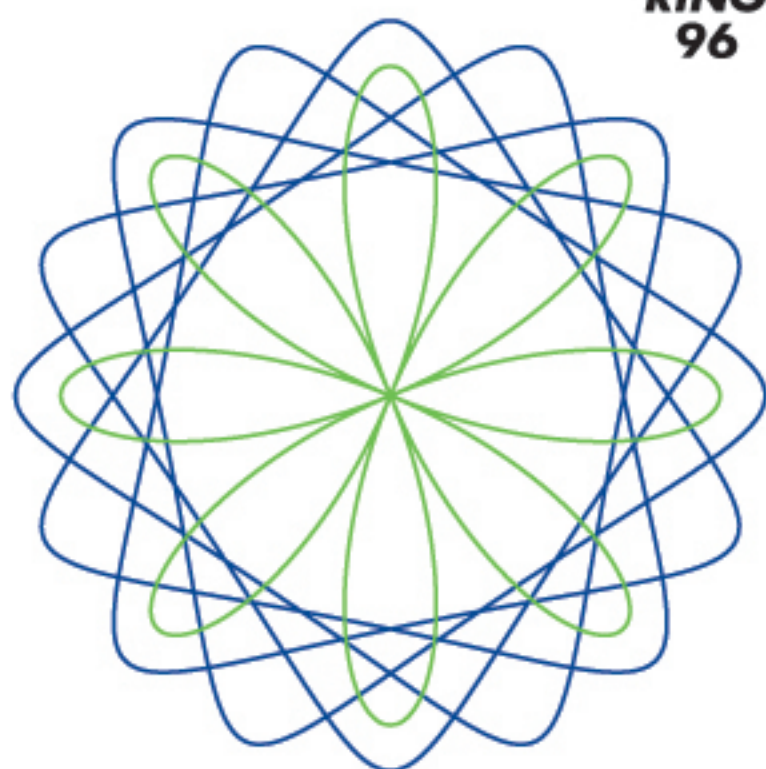
RING
96



HOLE: 1



HOLE: 5



Place WHEEL No. 30 so that Hole 1 lines up with POSITIONING LINE 1 on RING 96.

With the **Blue Pen in Hole 1**, draw a pattern until the line meets where it began.

Holding the RING in position, place WHEEL No. 60 so that Hole 5 lines up with POSITIONING LINE 1 on the RING.

Draw a pattern with the **Green Pen in Hole 5**.

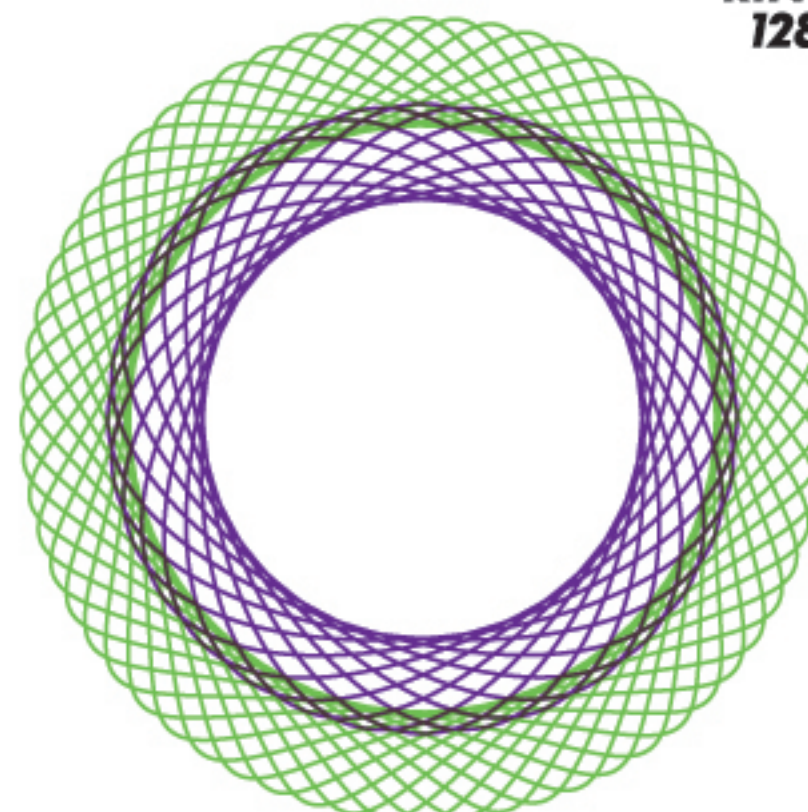
RING
128



HOLE: 1



HOLE: 12



Place WHEEL No. 30 so that Hole 1 lines up with POSITIONING LINE 1 on RING 128.

With the **Green Pen in Hole 1** draw a pattern until the line meets where it began.

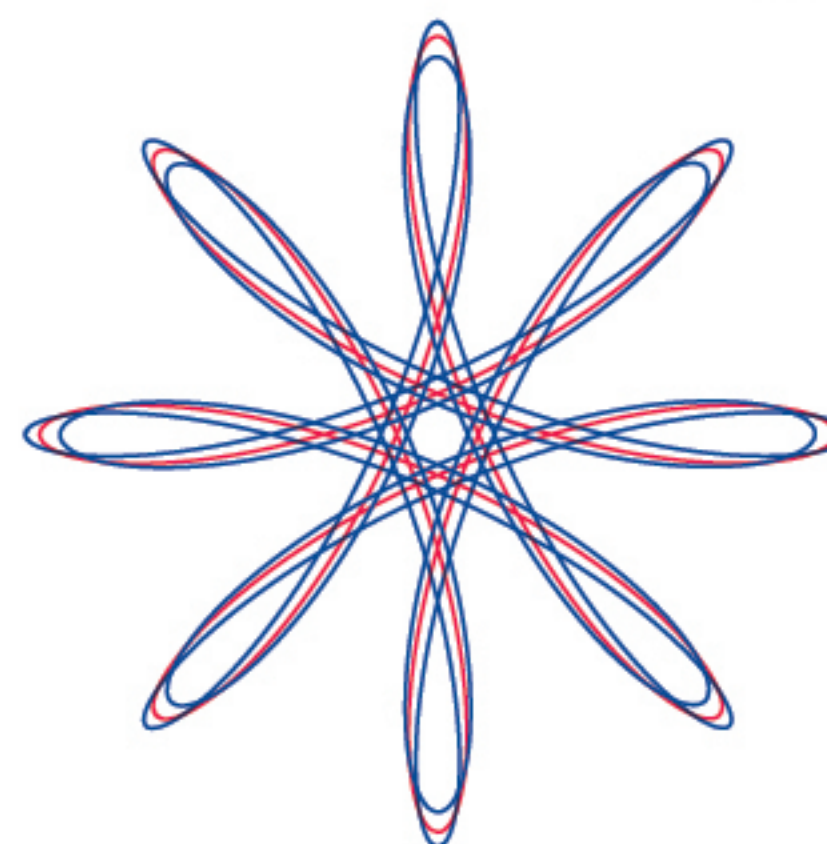
Holding the RING in position, place WHEEL No. 52 so that Hole 12 lines up with POSITIONING LINE 1 on the RING.

Draw a pattern with the **Purple Pen in Hole 12**.

RING
128



HOLES: 1-3-5



Place WHEEL No. 80 so that Hole 1 lines up with POSITIONING LINE 1 on RING 128.

With the **Blue Pen in Hole 1**, draw a pattern until the line meets where it began.

Place WHEEL No. 80 so that Hole 3 lines up with POSITIONING LINE 1 on the RING.

Draw a pattern with the **Red Pen in Hole 3**.

Place WHEEL No. 80 so that Hole 5 lines up with POSITIONING LINE 1 on the RING.

Draw a pattern with the **Blue Pen in Hole 5**.

Drawing Mandala Designs

*After drawing your Spirograph® designs, leave the paper and frame in place and use the **STENCIL DISCS** to easily add perfect Mandala patterns!*

1. Click the **STENCIL DISC** into place with peg number 1 at the top. Trace any ONE shape.



Tip: Be sure the **STENCIL DISC** is snapped in place onto the numbered pegs before you trace. The disc's pegs align with the center lines on the **FRAME'S** petals when clicked properly into place.

2. Lift and rotate the **STENCIL DISC** to the next peg until it clicks into place.



Tip: Grasp the **STENCIL DISC** between the **RING** holes as shown, for an easy way to lift and turn.

3. Trace the same shape again. Repeat until you reach the last peg, number 16.



Tip: Leave the paper in place to continue adding more shapes to your design.

4. Repeat steps 1-3, adding different shapes until you are happy with the design.

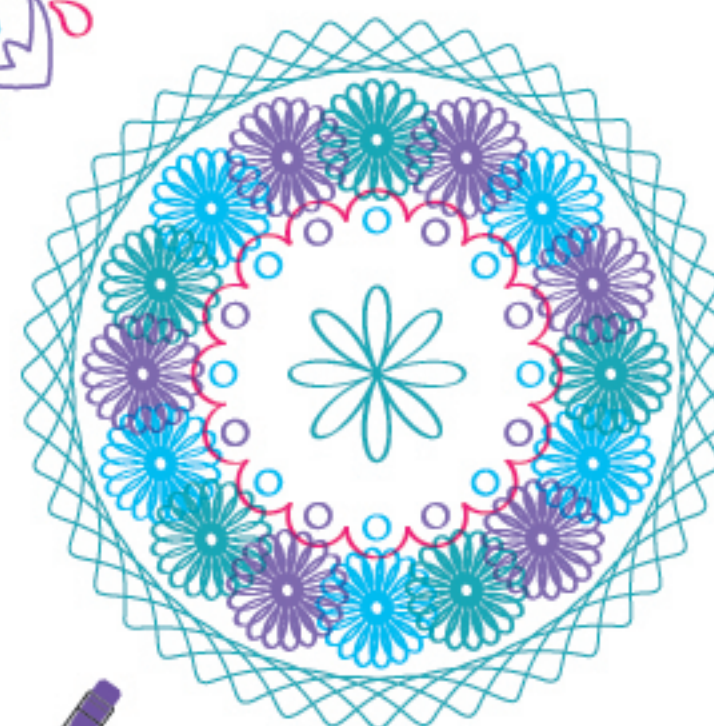


Tip: You can swap **STENCILS DISCS** to mix & match shapes from each disc in the same design!

5. Experiment with using different pens and combining different stencil shapes in the same design to create intricate and colorful mandala designs.



Add your own hand-drawn doodles to embellish your design!



Draw mandala Spirograph® patterns inside the DISC'S EDGE RING:

Follow the same **draw, lift, and rotate** technique you just learned.

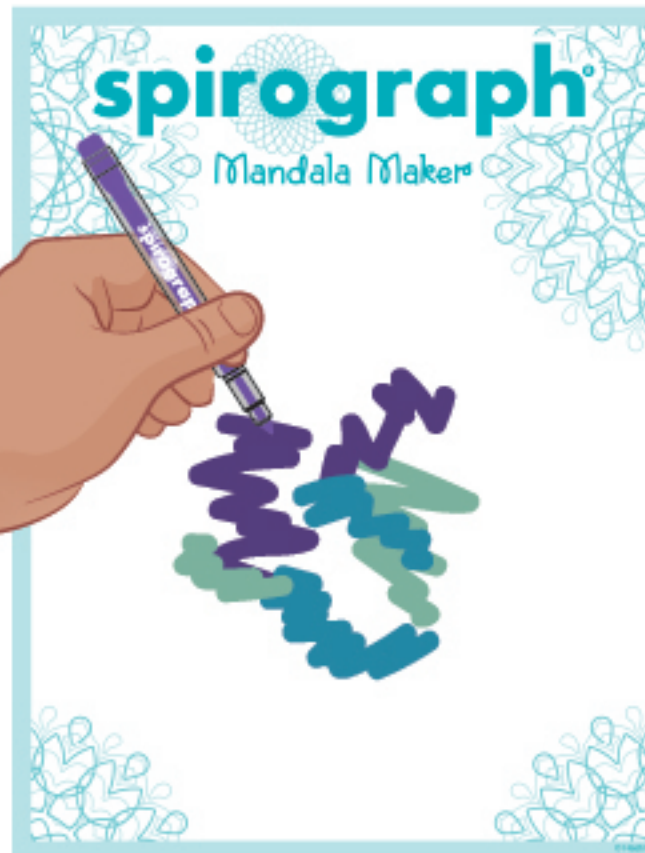
Draw one Spirograph® pattern, rotate the **STENCIL DISC** to the next position, draw another Spirograph® pattern, and repeat.



Get Creative with Other Materials

There are so many creative ways to use Spirograph®. Use the Mandala Maker with your own paper, pens, markers, and more. Here are some ideas to get started.

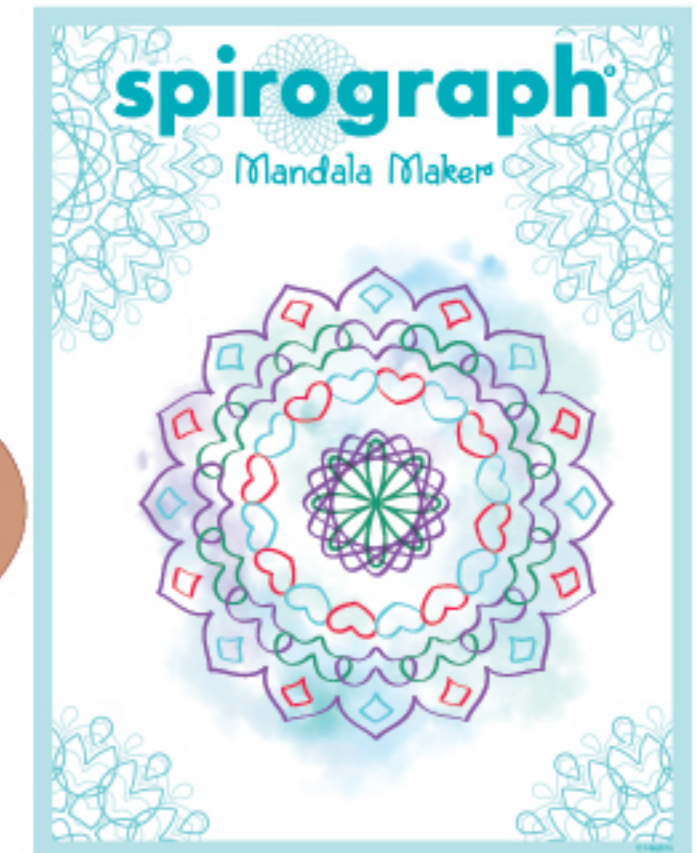
**create stunning
watercolor
mandala
designs**



1. Draw some squiggles with the pens.



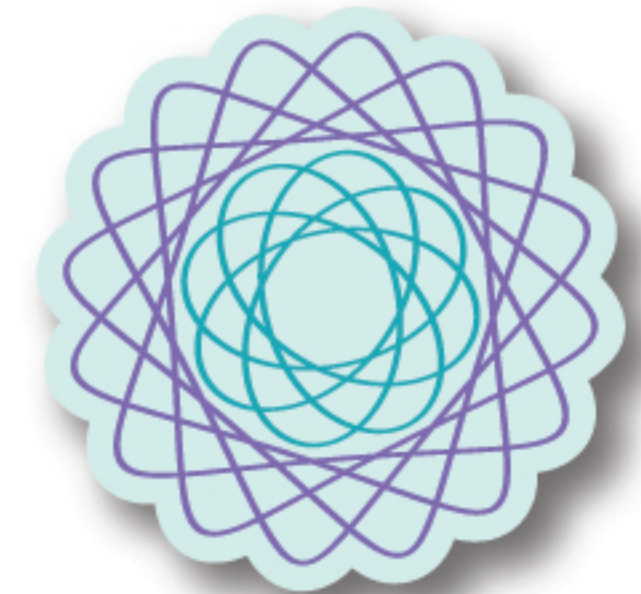
2. Dip a little sponge in water and dab. Don't soak the paper.



3. Once the paper is dry, place it in the Mandala Maker and draw over the dry painting.

**cut out
mandala
designs
to make
frames or
collages**

**keep it
simple or
add lots
of detail**



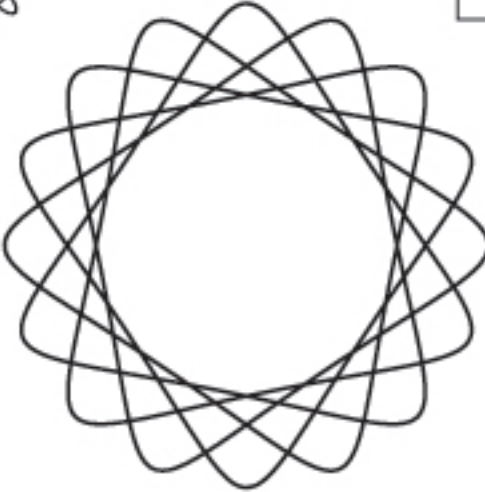
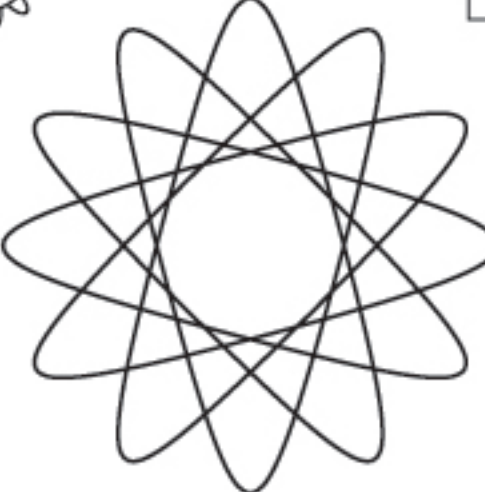
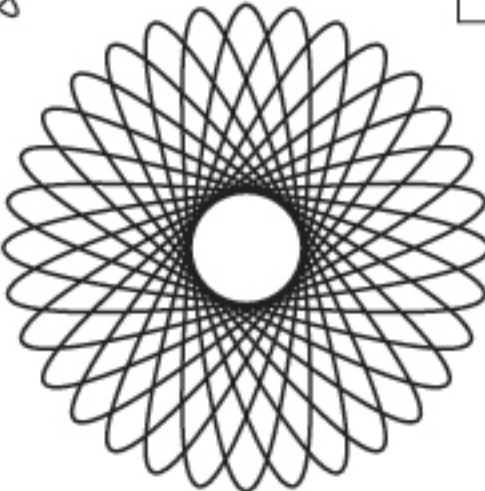
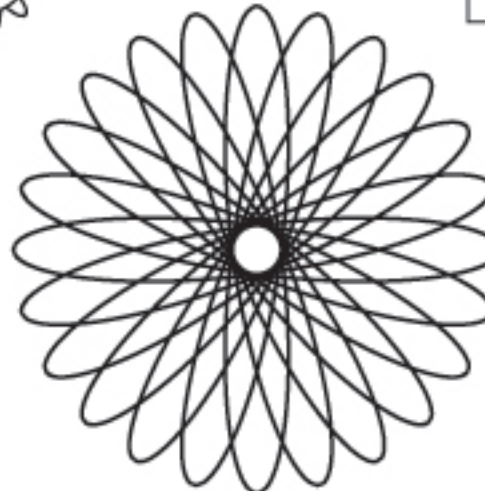
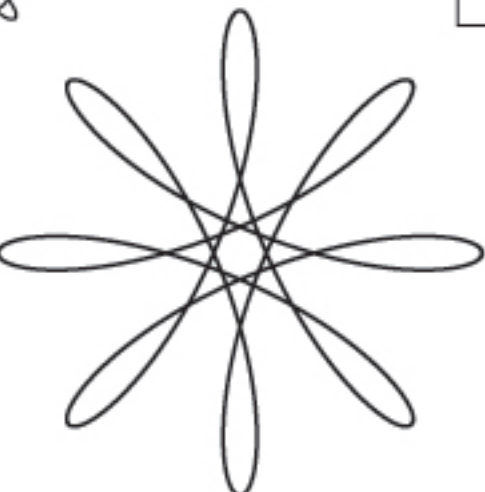
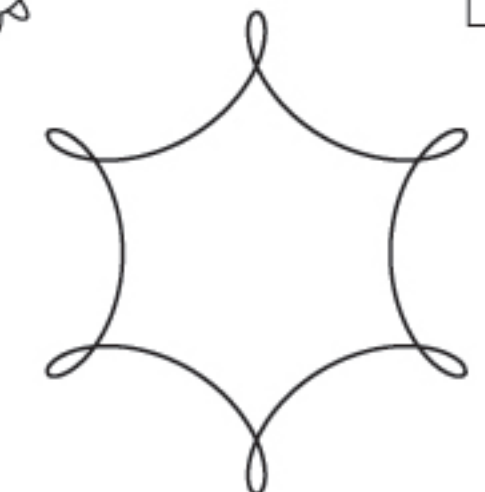
Spirograph® Basic Pattern Guide

The boxes below show the basic pattern produced by each of the different **WHEELS** in the **CENTER RINGS**. These patterns are all drawn with the pen in Hole No. 1 of each **WHEEL**.

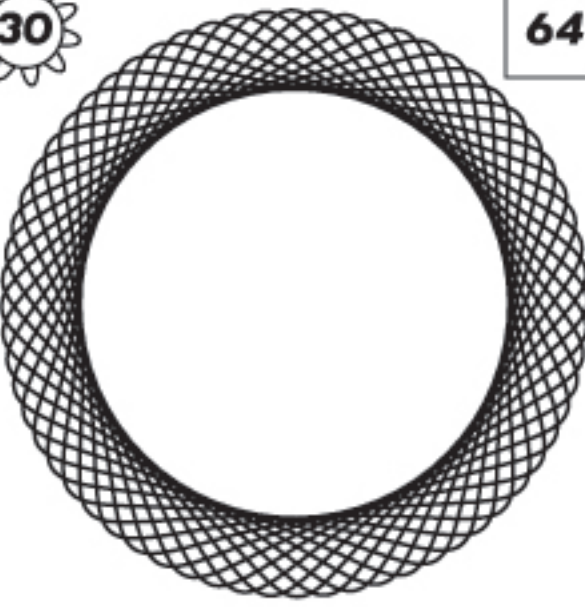
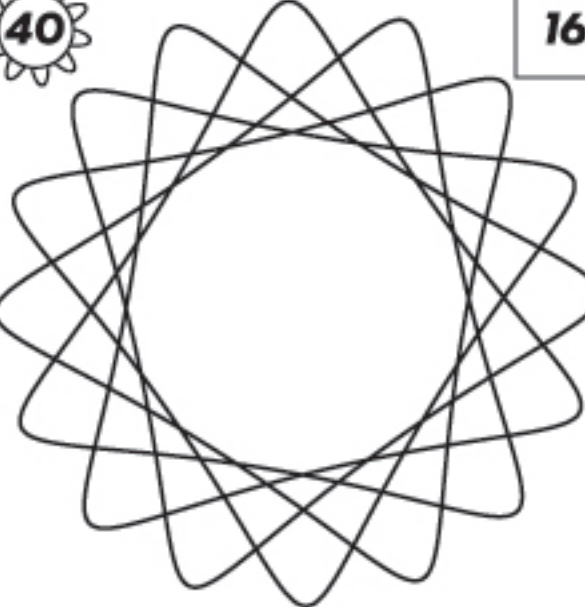
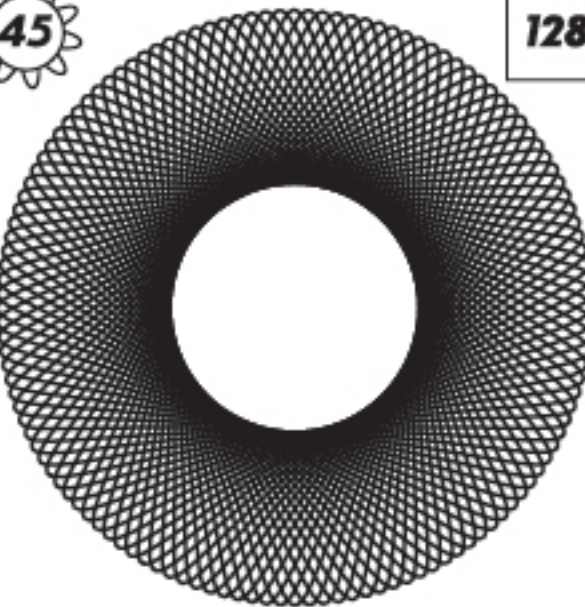
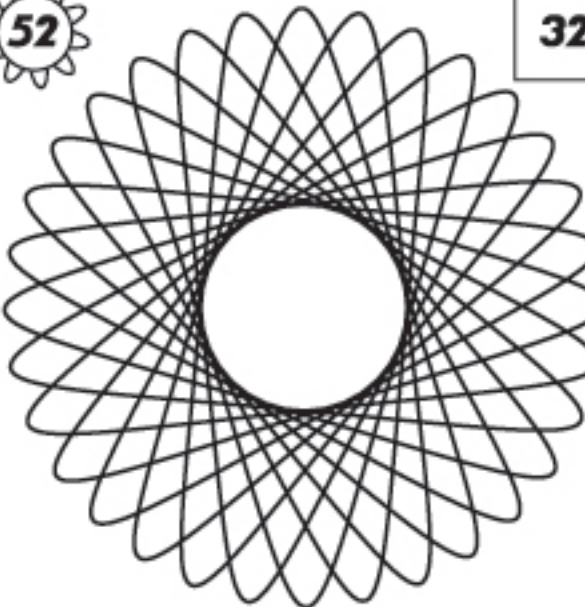
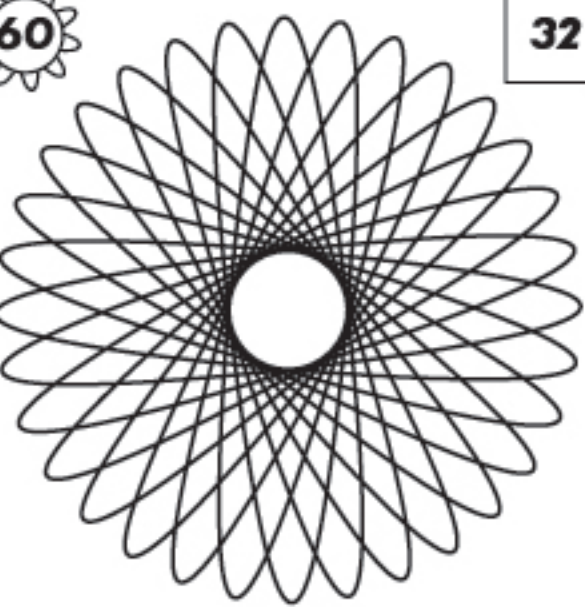
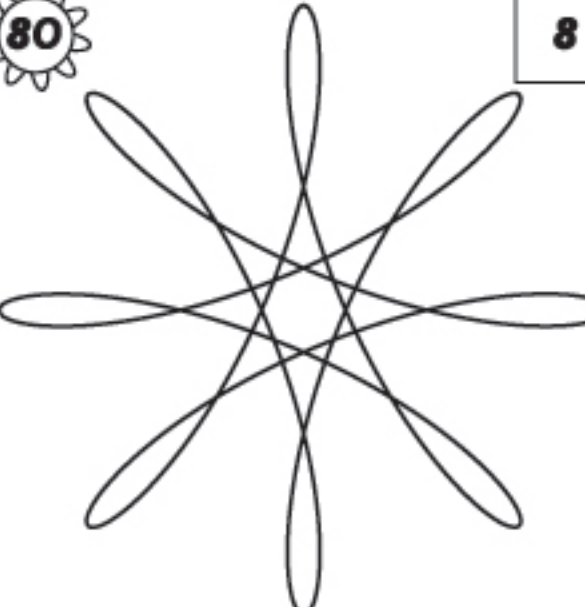
 = **WHEEL** used to create pattern

 = **Number of points in pattern**

Patterns Created Using Center RING 96

 30  16	 40  12
 45  32	 52  24
 60  8	 80  6

Patterns Created Using Center RING 128

 30  64	 40  16
 45  128	 52  32
 60  32	 80  8

spirograph®

Mandala Makers

5 pens

40 paper sheets

6 Spirograph® wheels

1 large frame with handy paper slots

2 unique stencil discs

paper slots fit 8.5" x 11" or A4 paper

Create stunning mandala designs with a Spirograph® twist. This simple tool makes it easy. Draw & rotate to unleash your creativity.

PLAYMONSTER



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Instruction guide must be retained as it contains important information.

• Place a protective layer, such as a placemat or a pad of paper, underneath your drawing sheet to avoid damage/indentation on wood surfaces. Spirograph® marker inks may stain some surfaces and fabrics. • Spirograph® marker inks have been evaluated and approved by a board certified toxicologist. • The pen holes in the Spirograph® pieces have been sized to fit most standard pens available on the market.

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