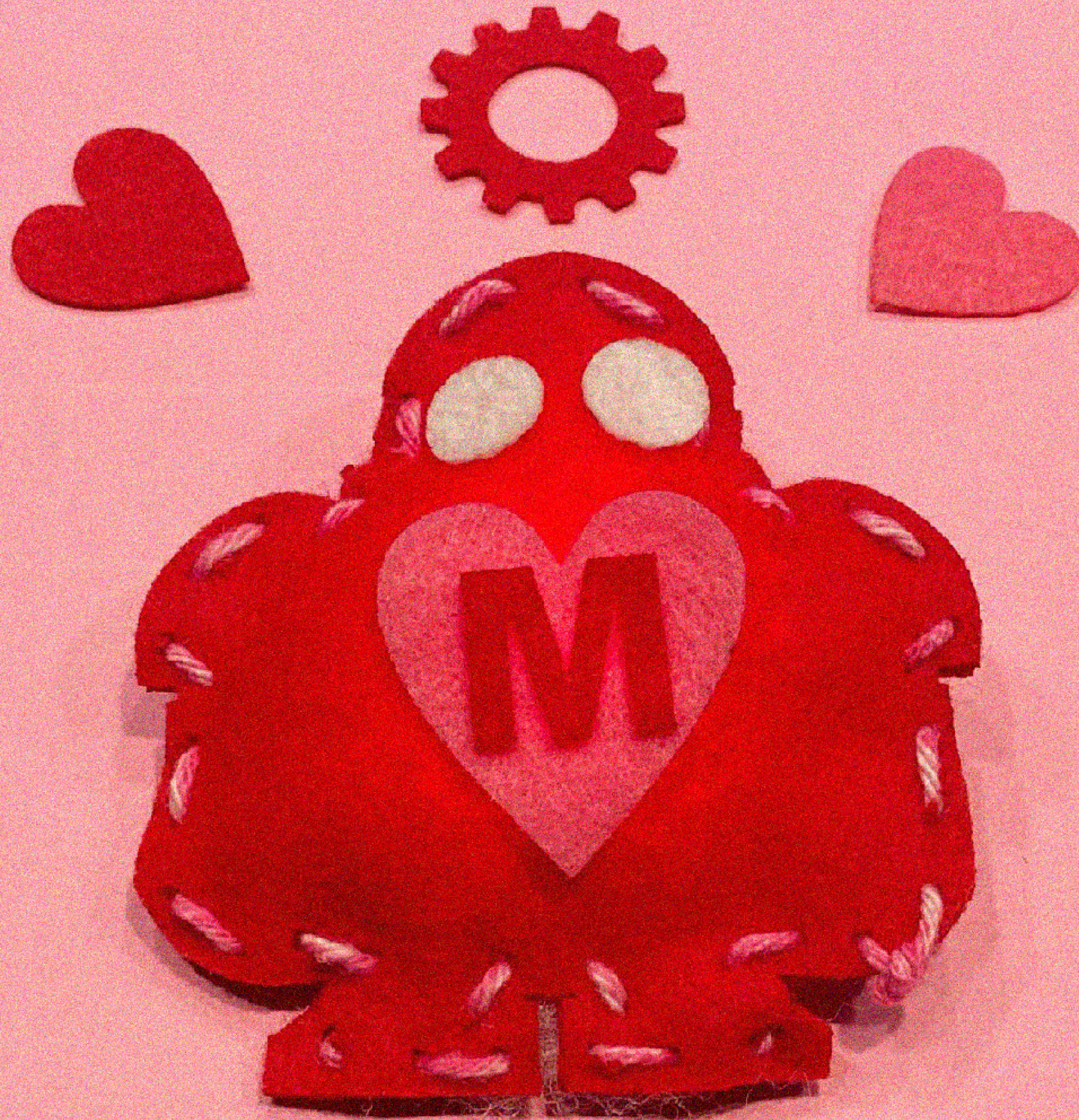
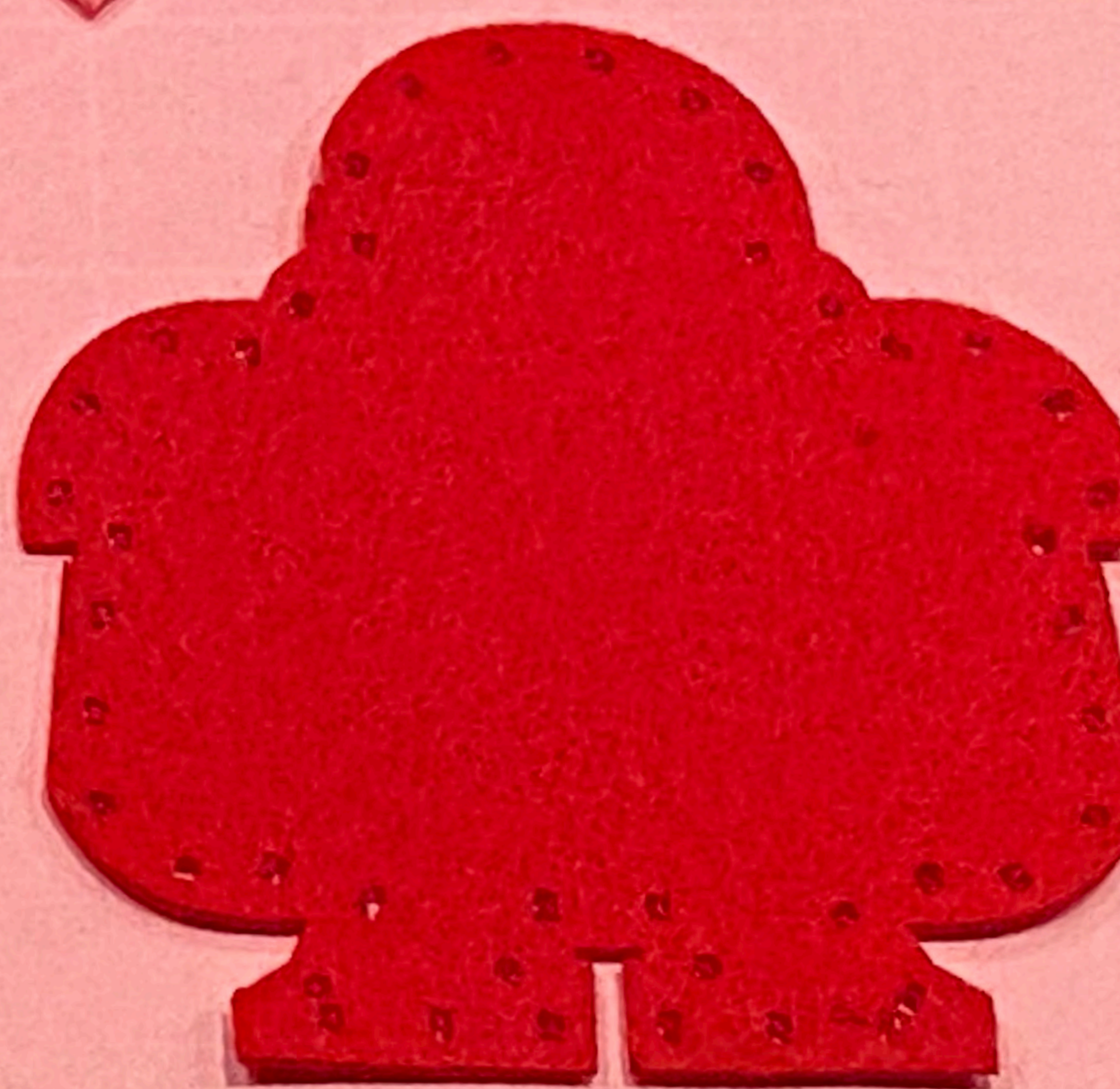
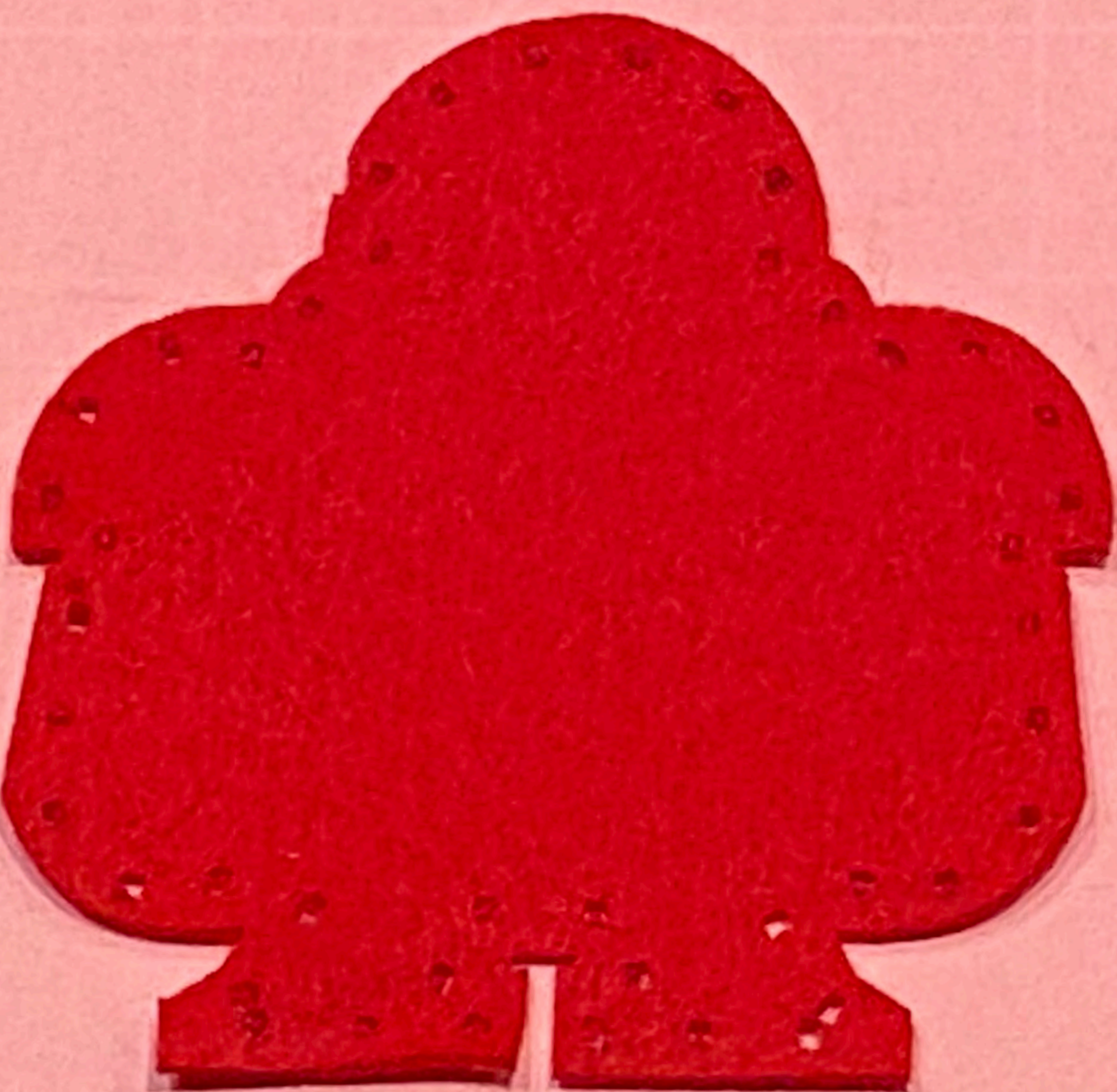


A Visual Guide Best Viewed in Full Screen Mode



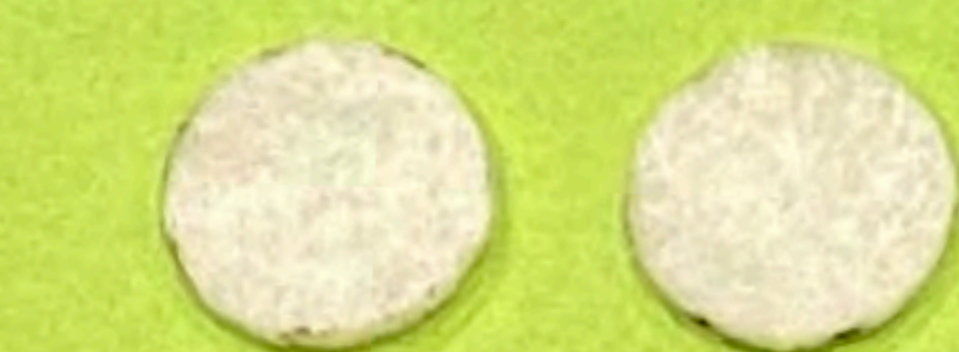
MakerHeart Project



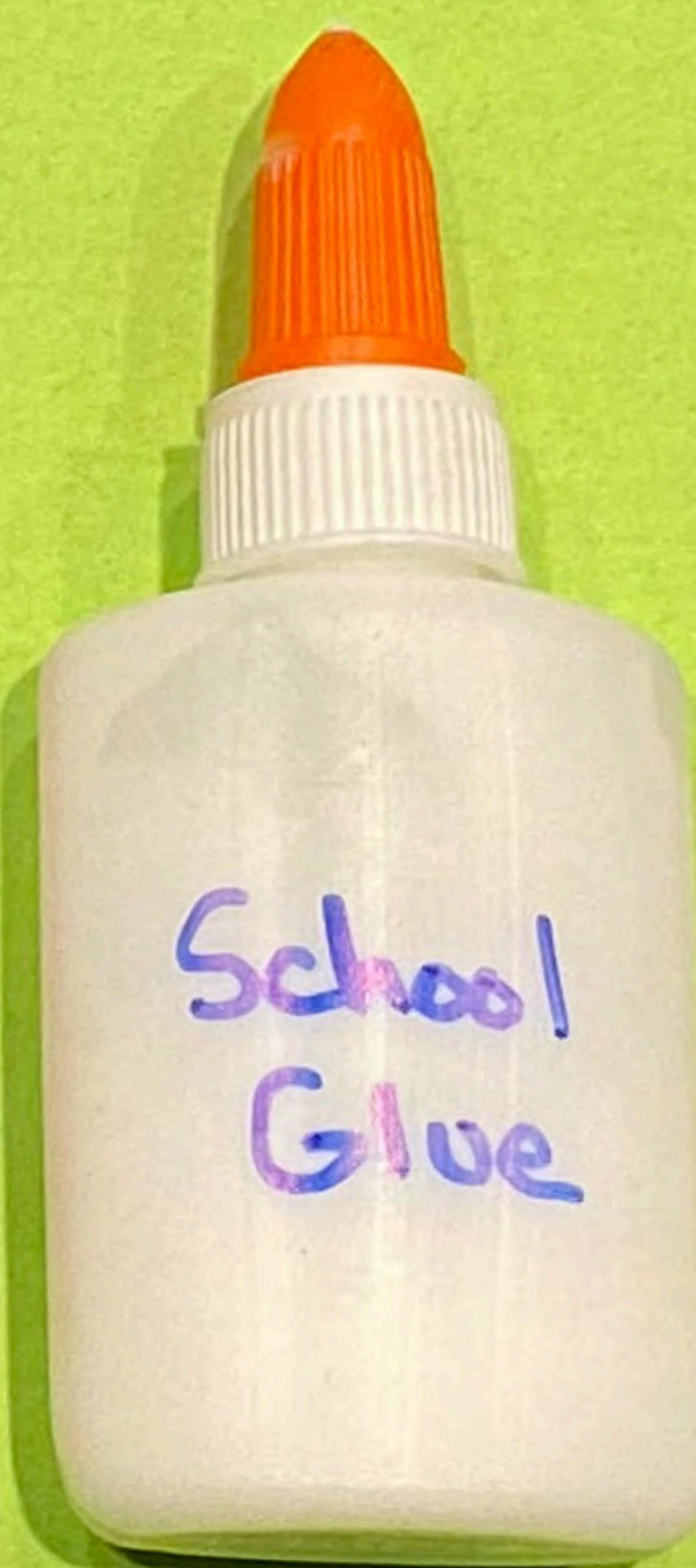
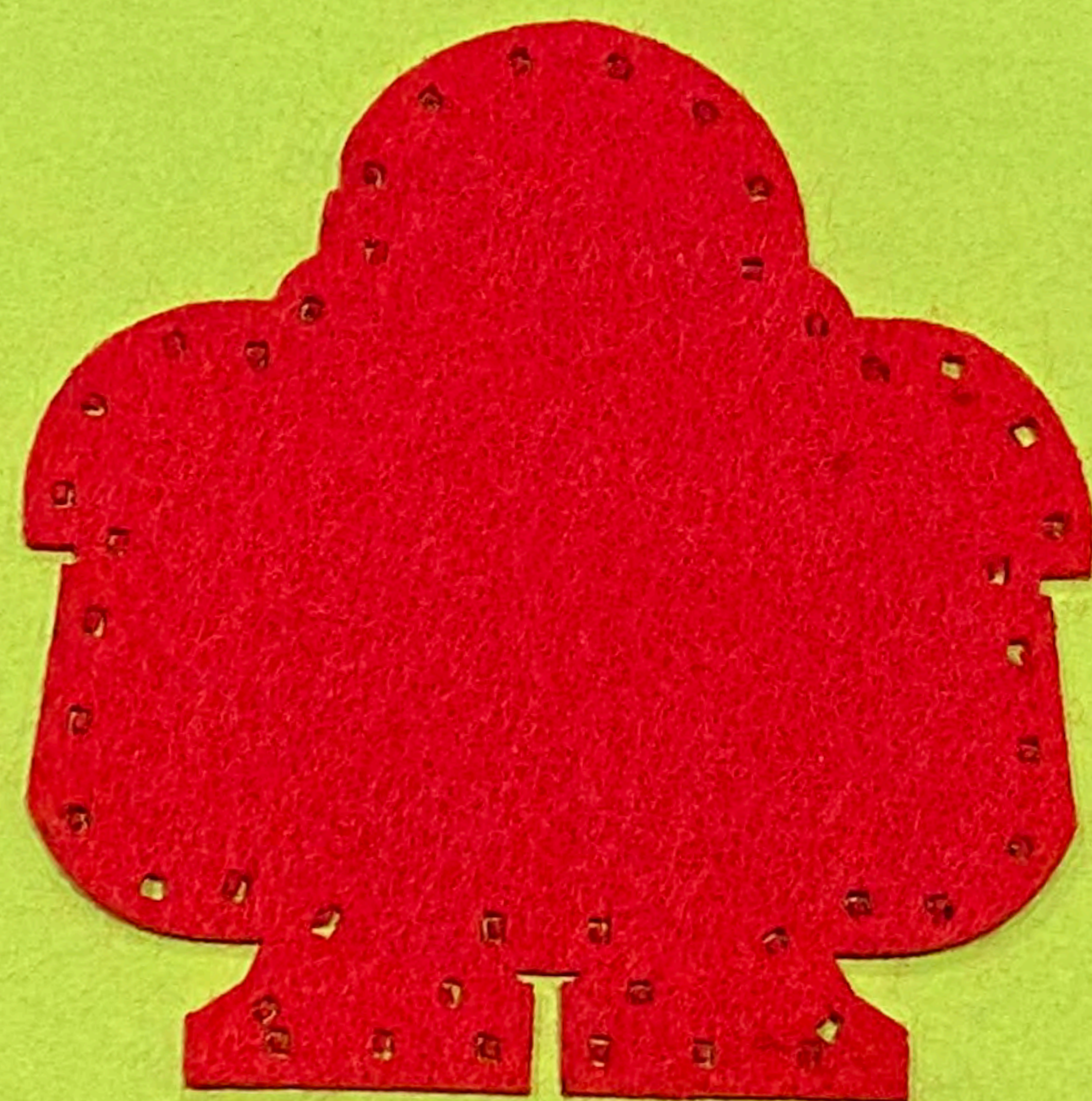




60°



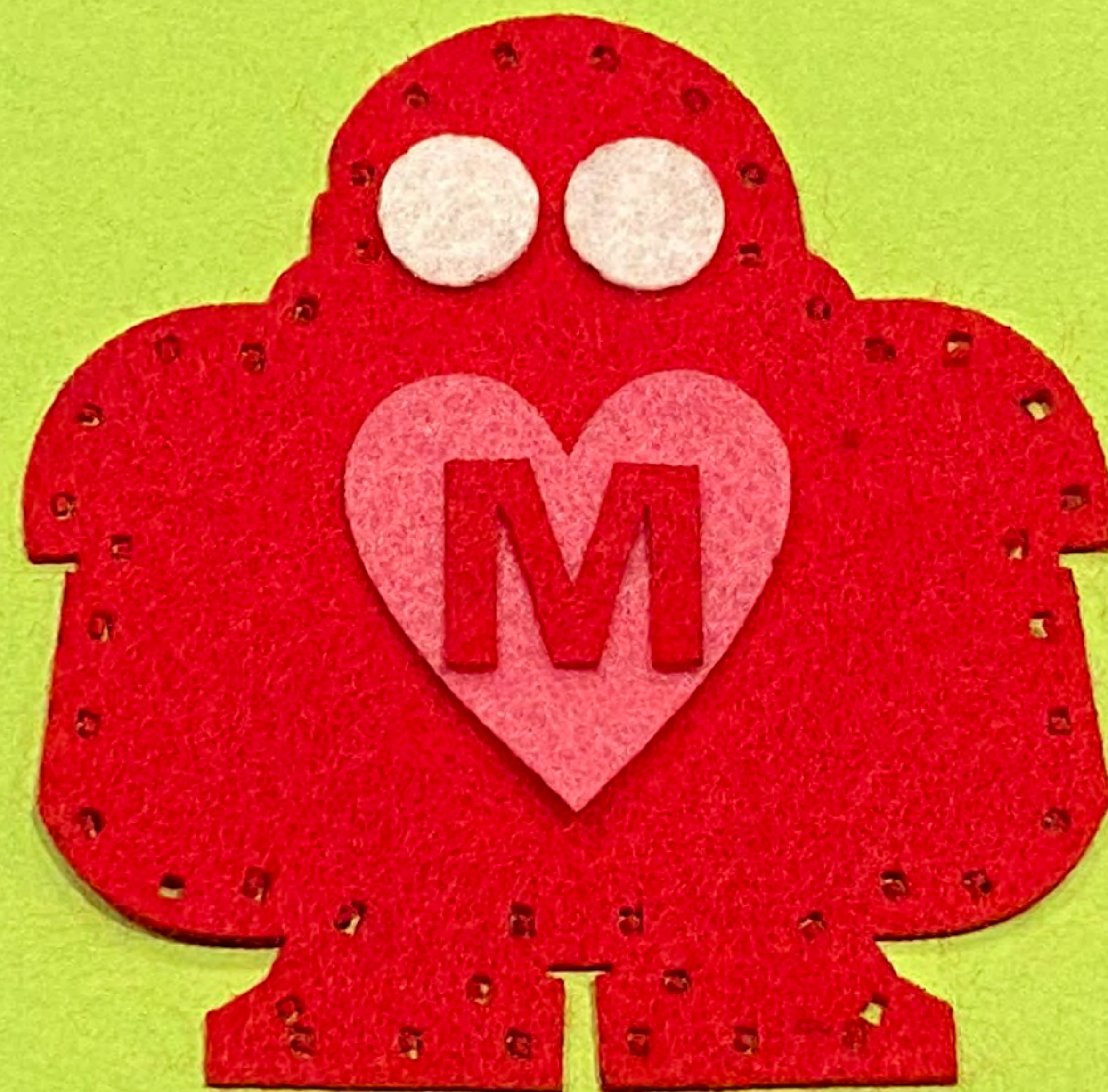
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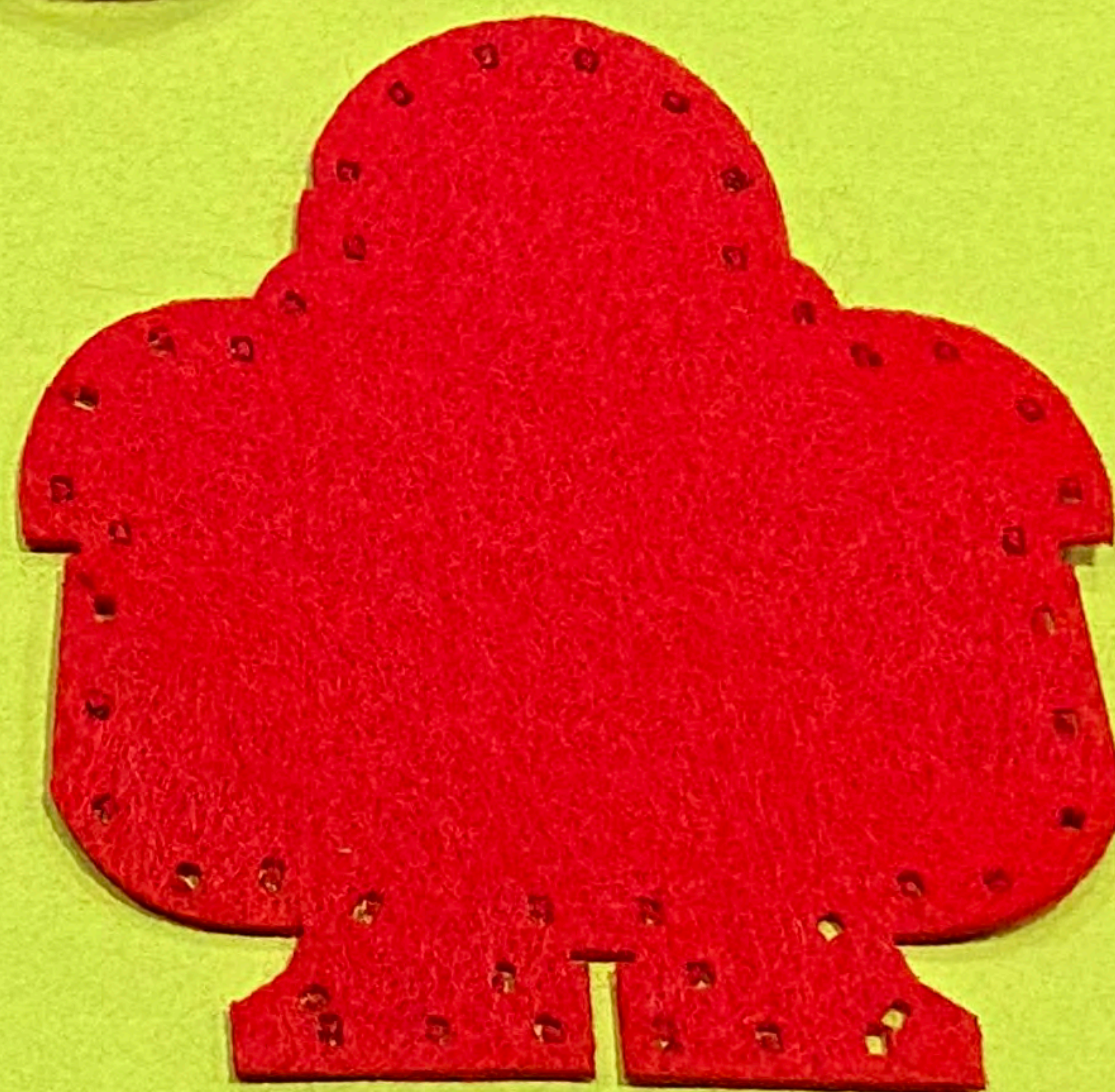
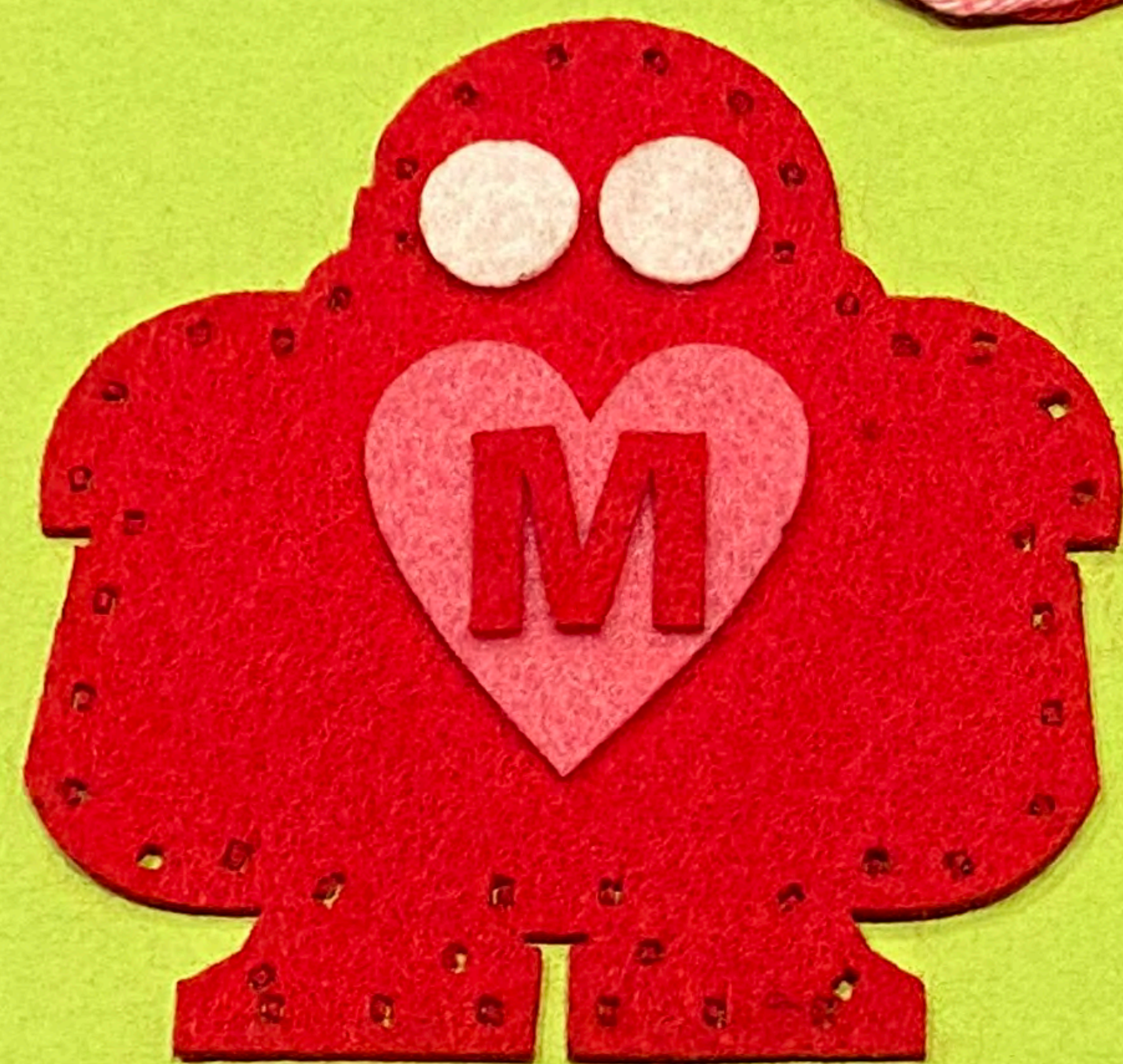
School  
Glue

60°

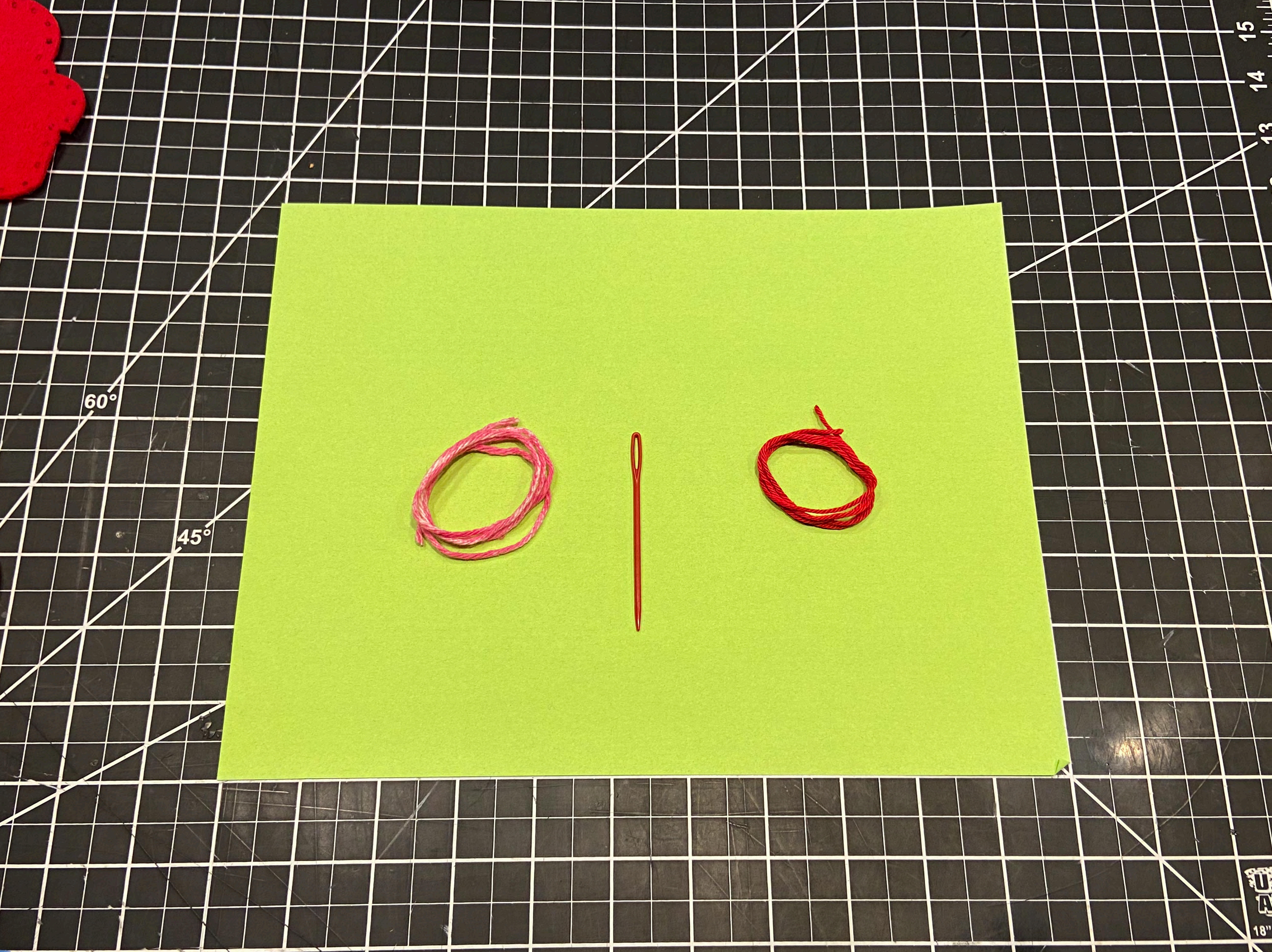




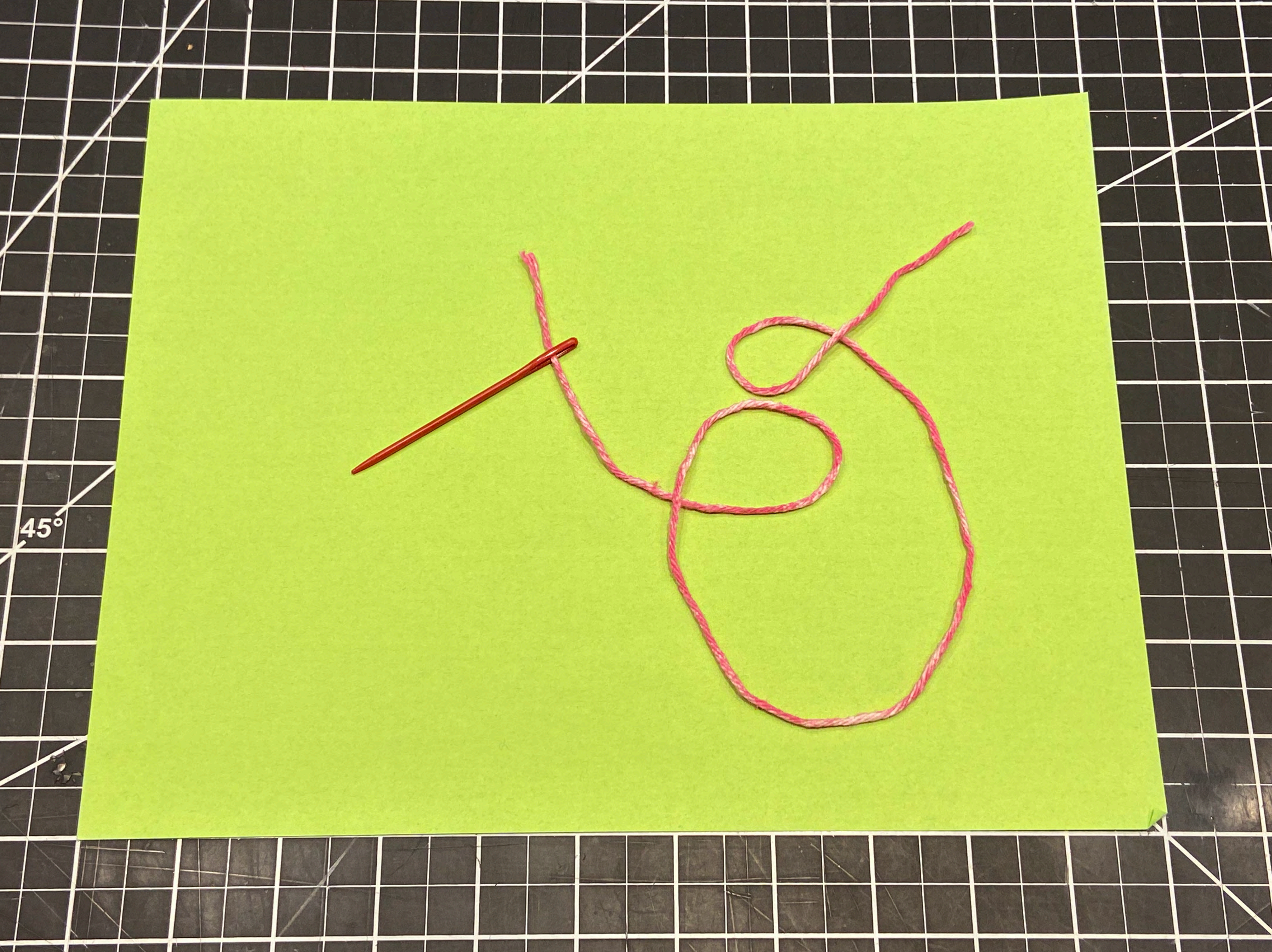
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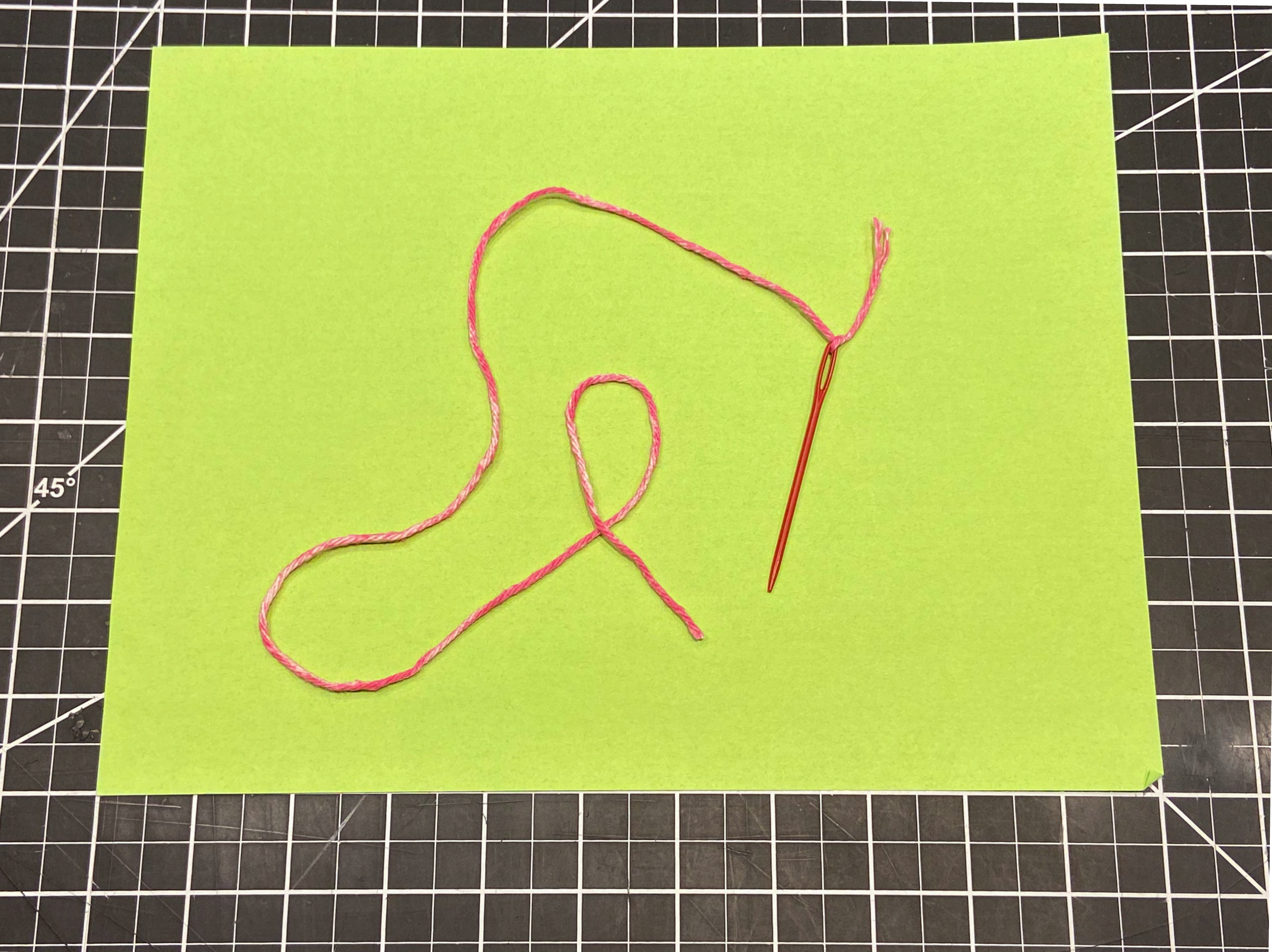








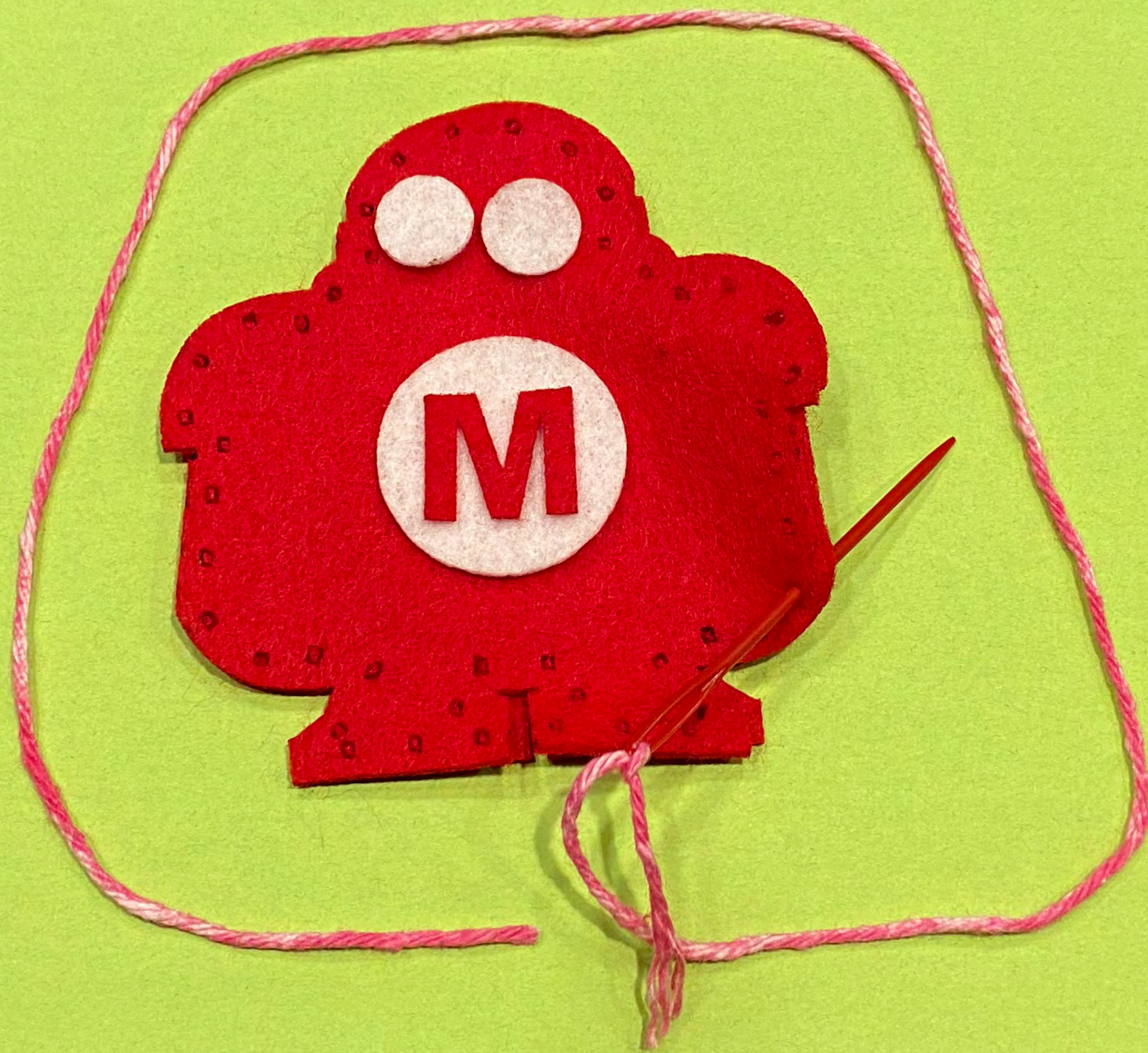




45°

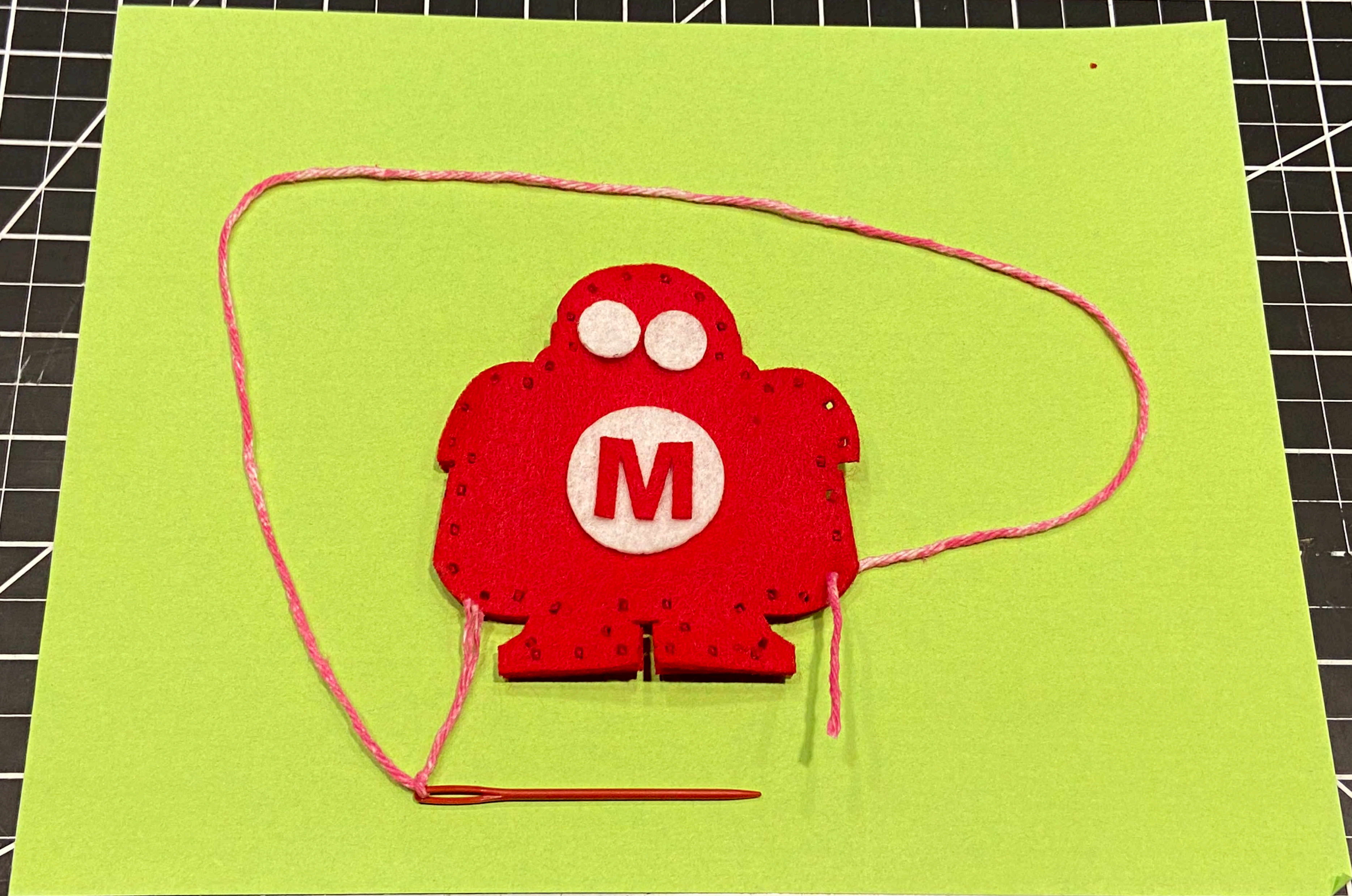


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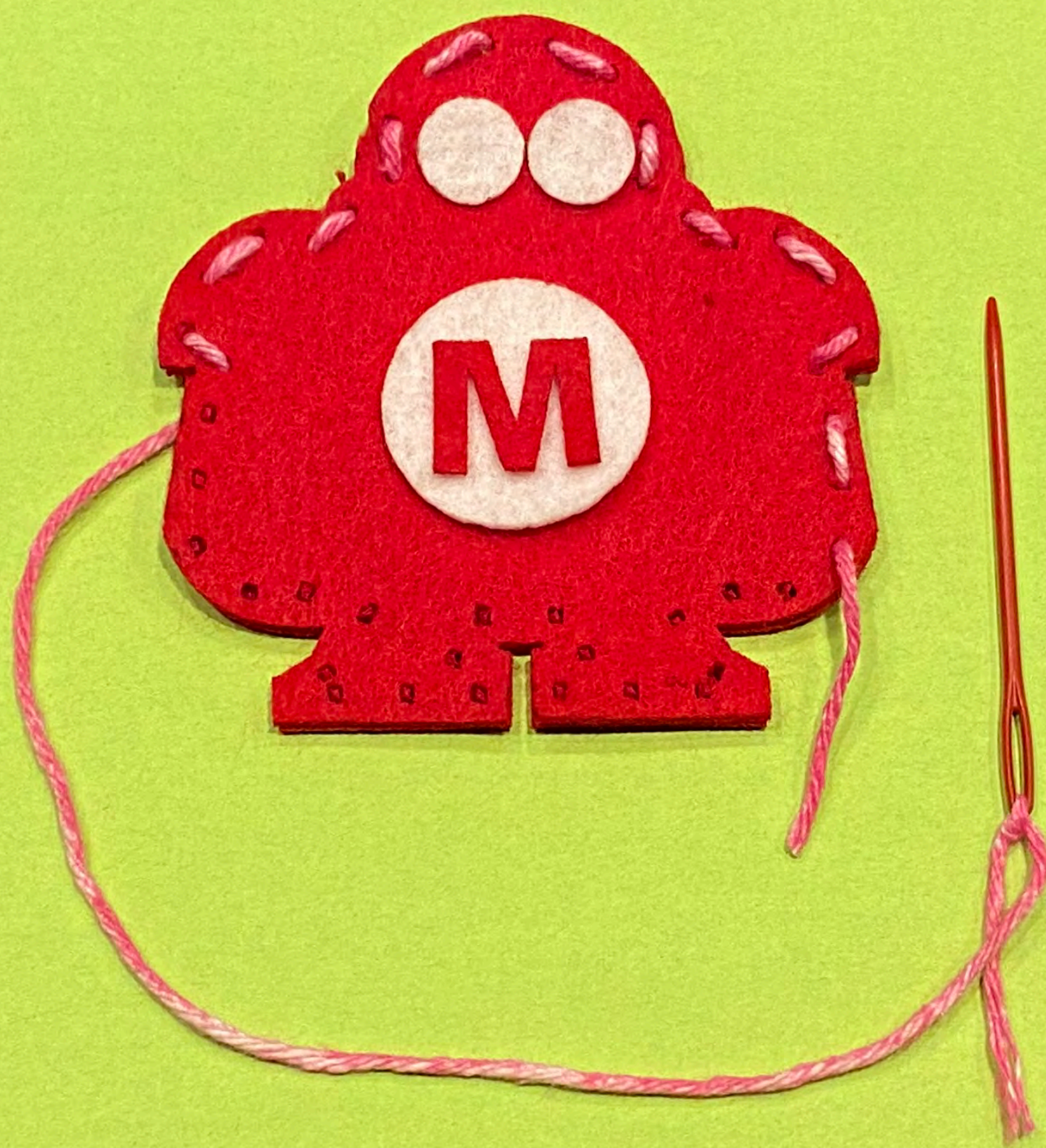


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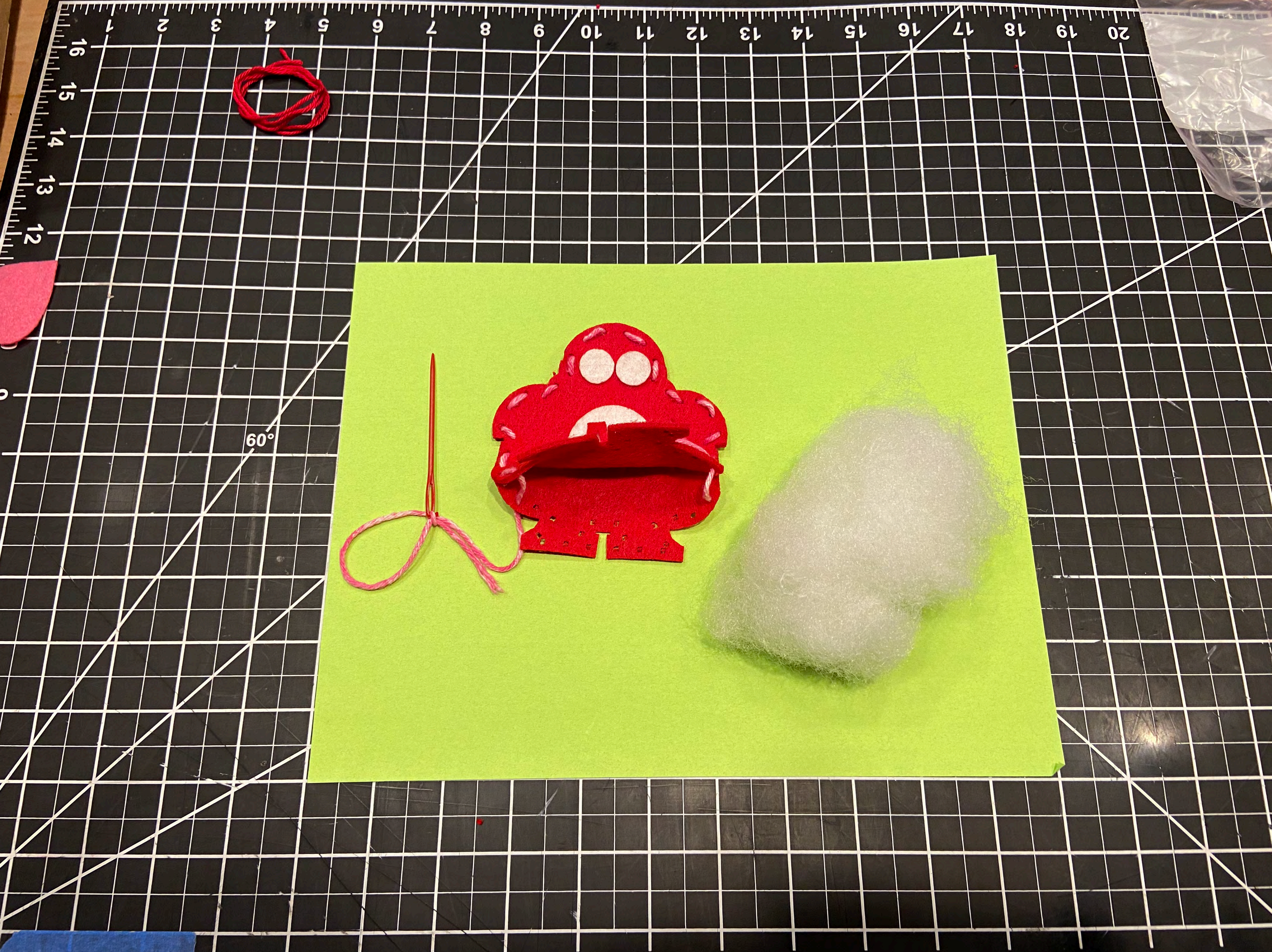




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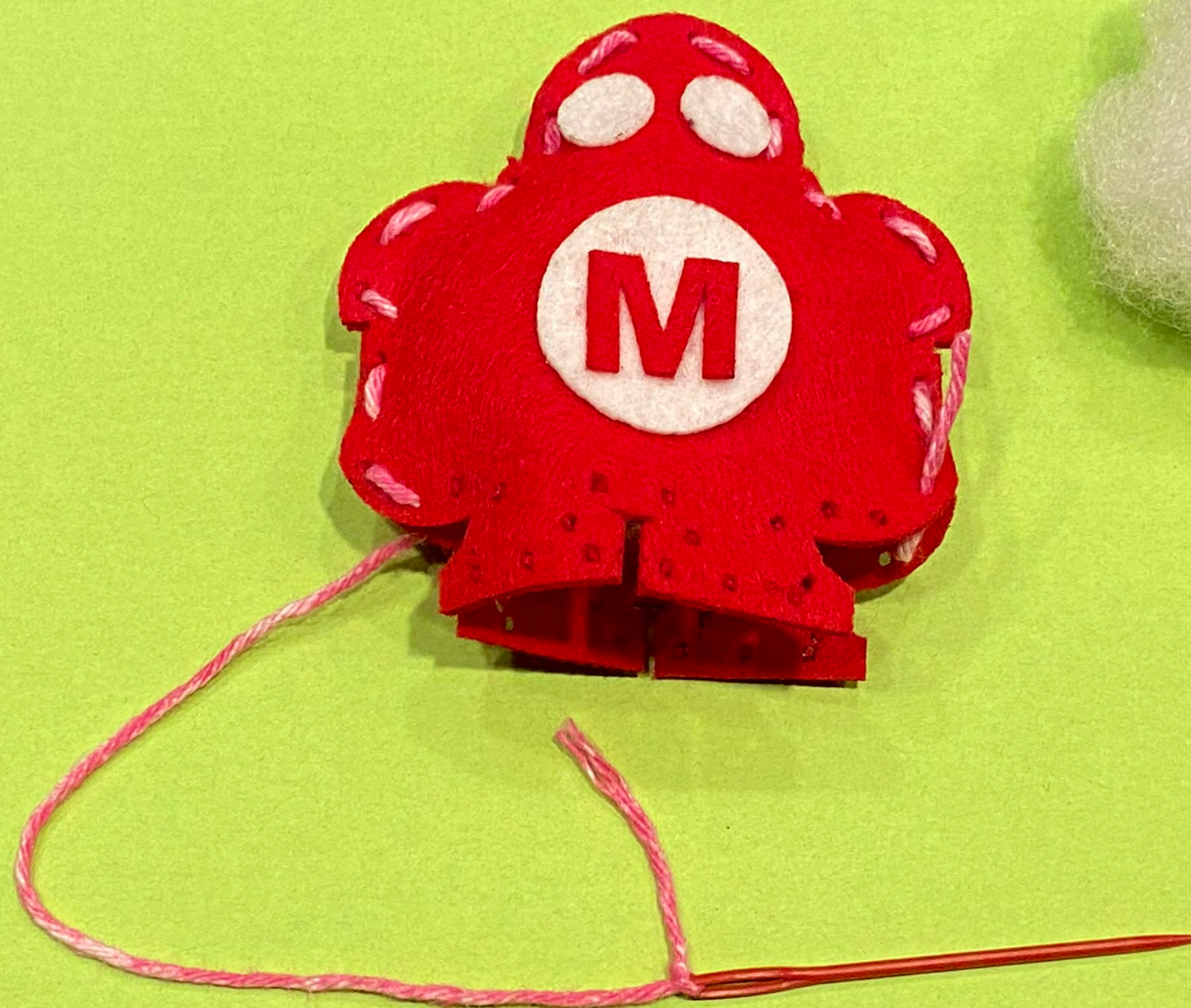








60°



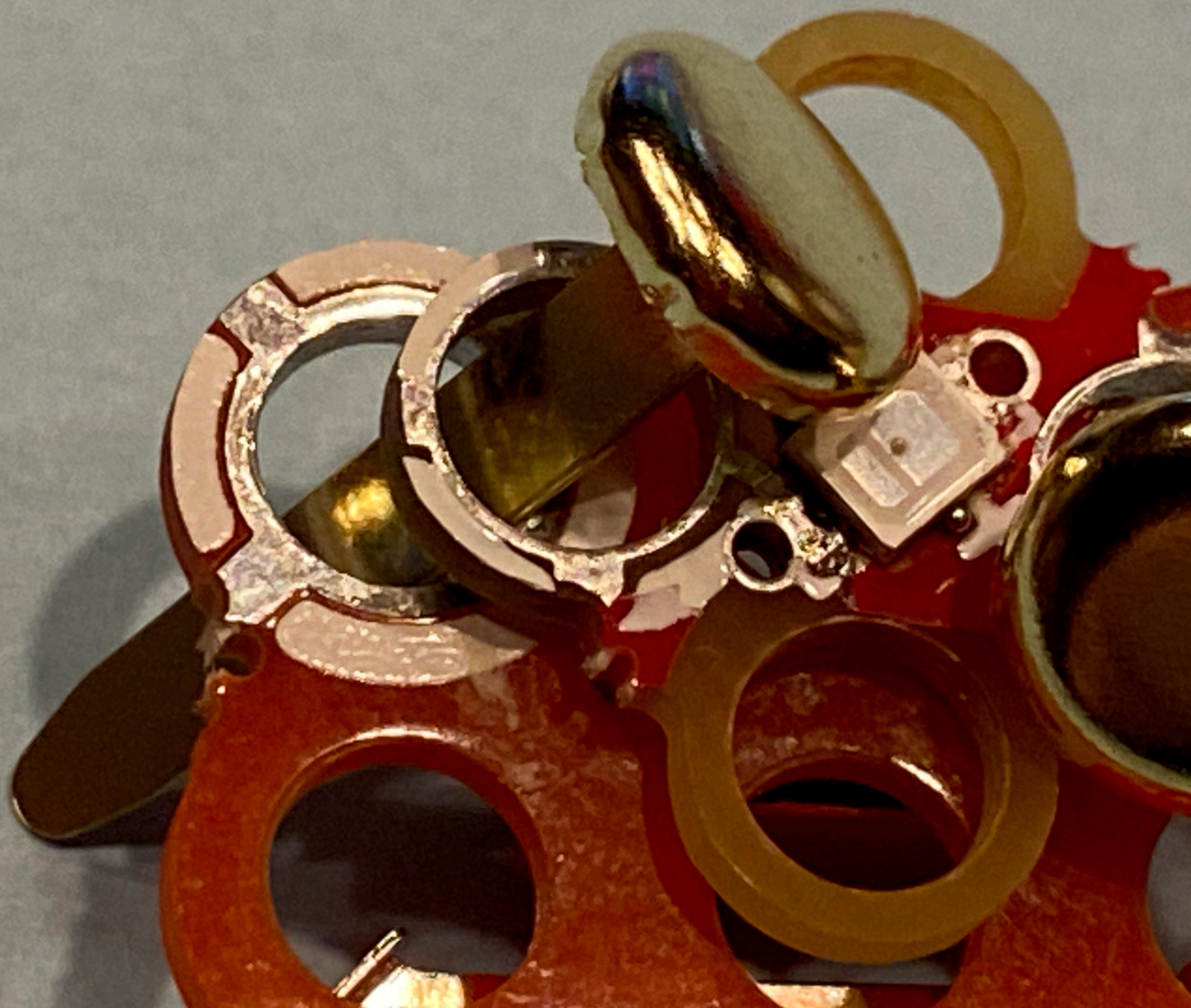








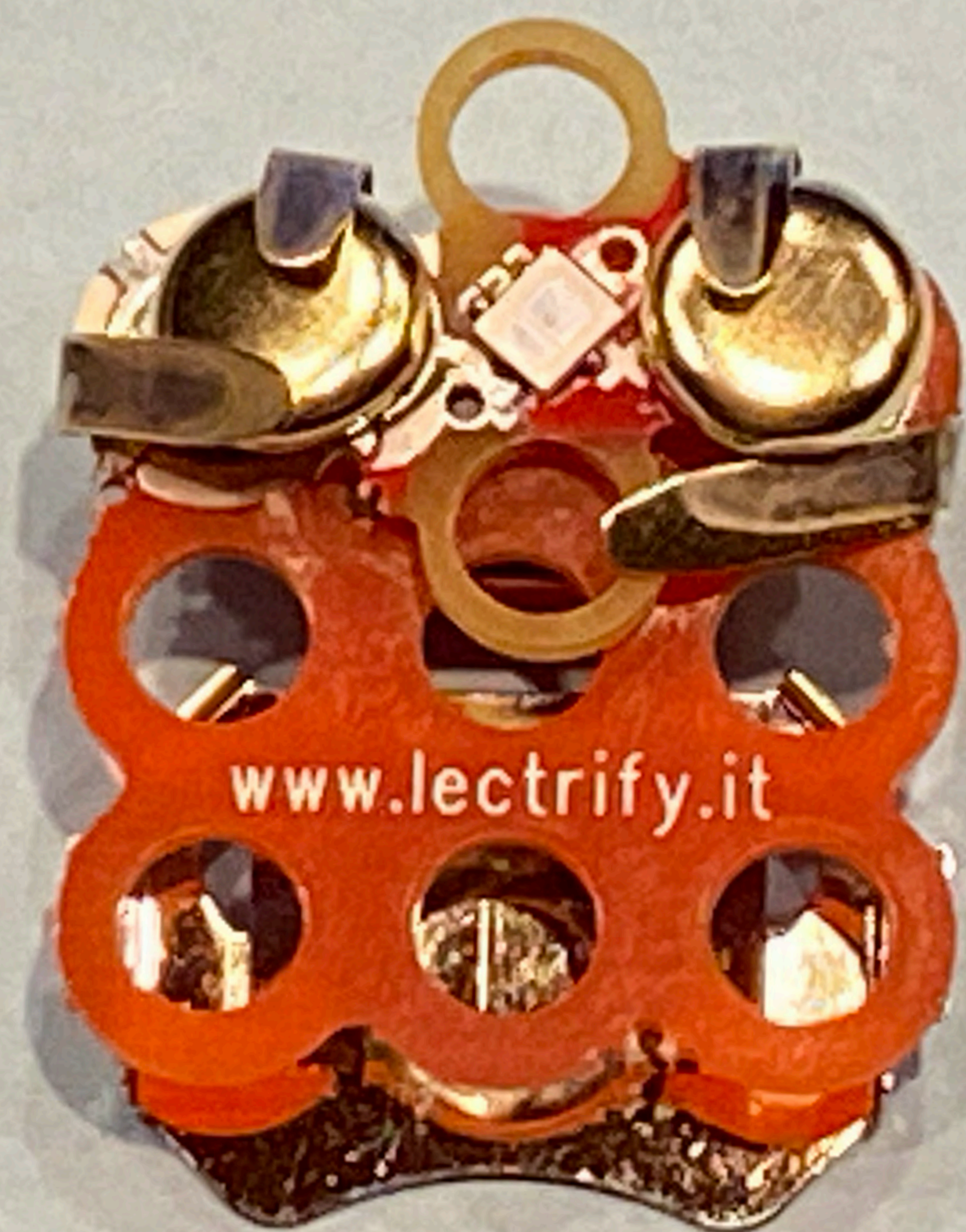




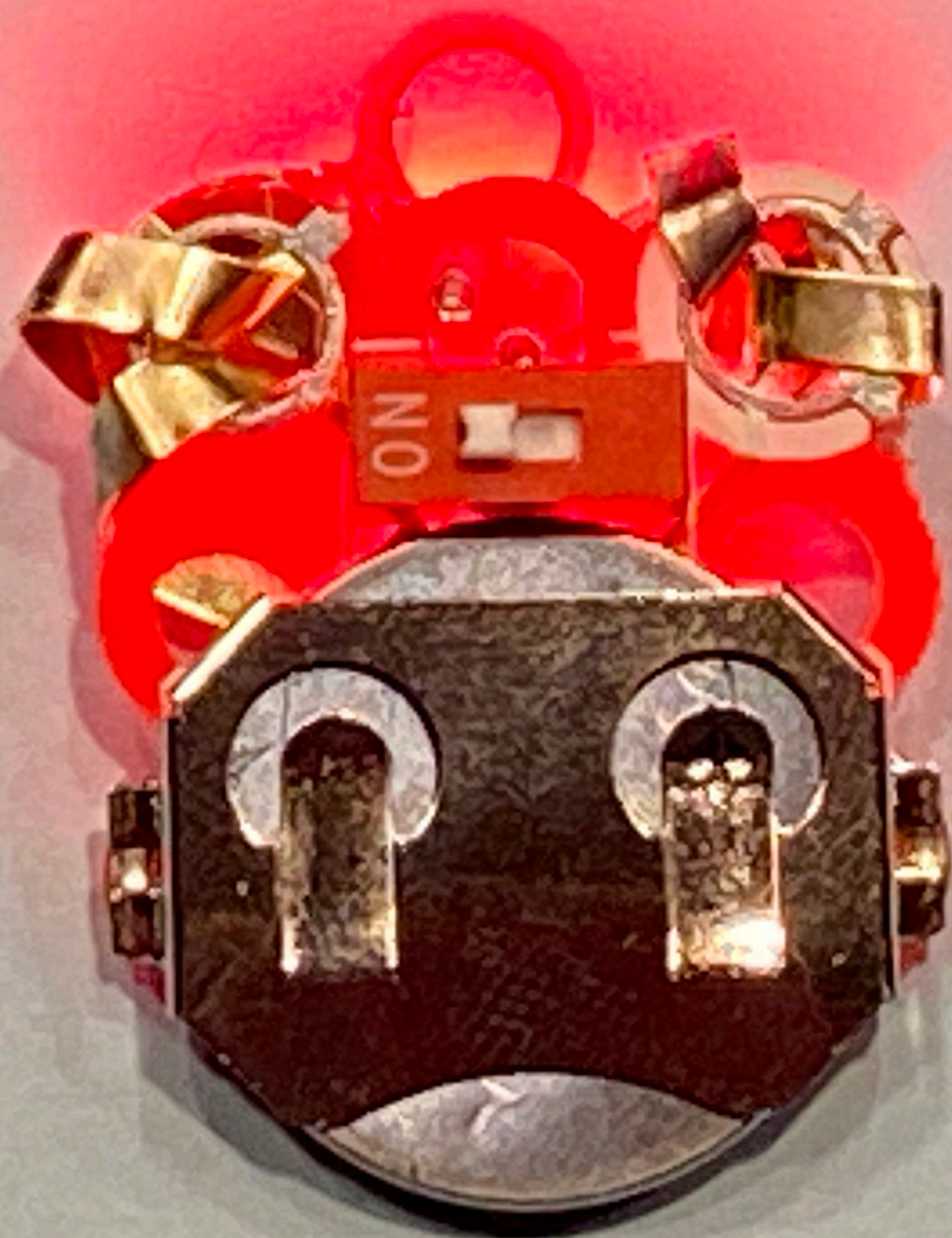








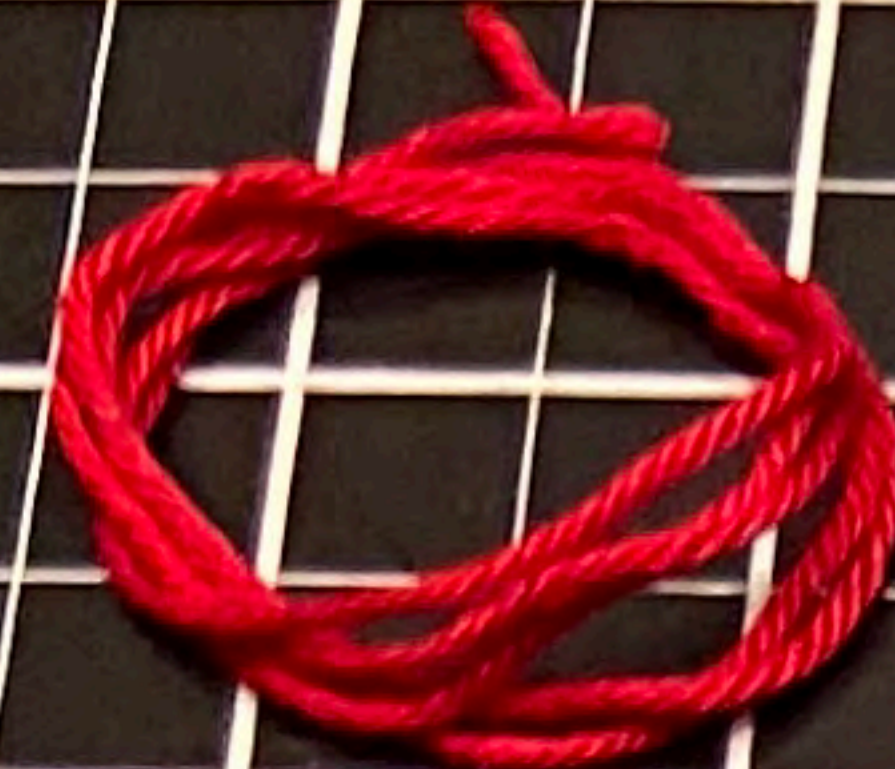
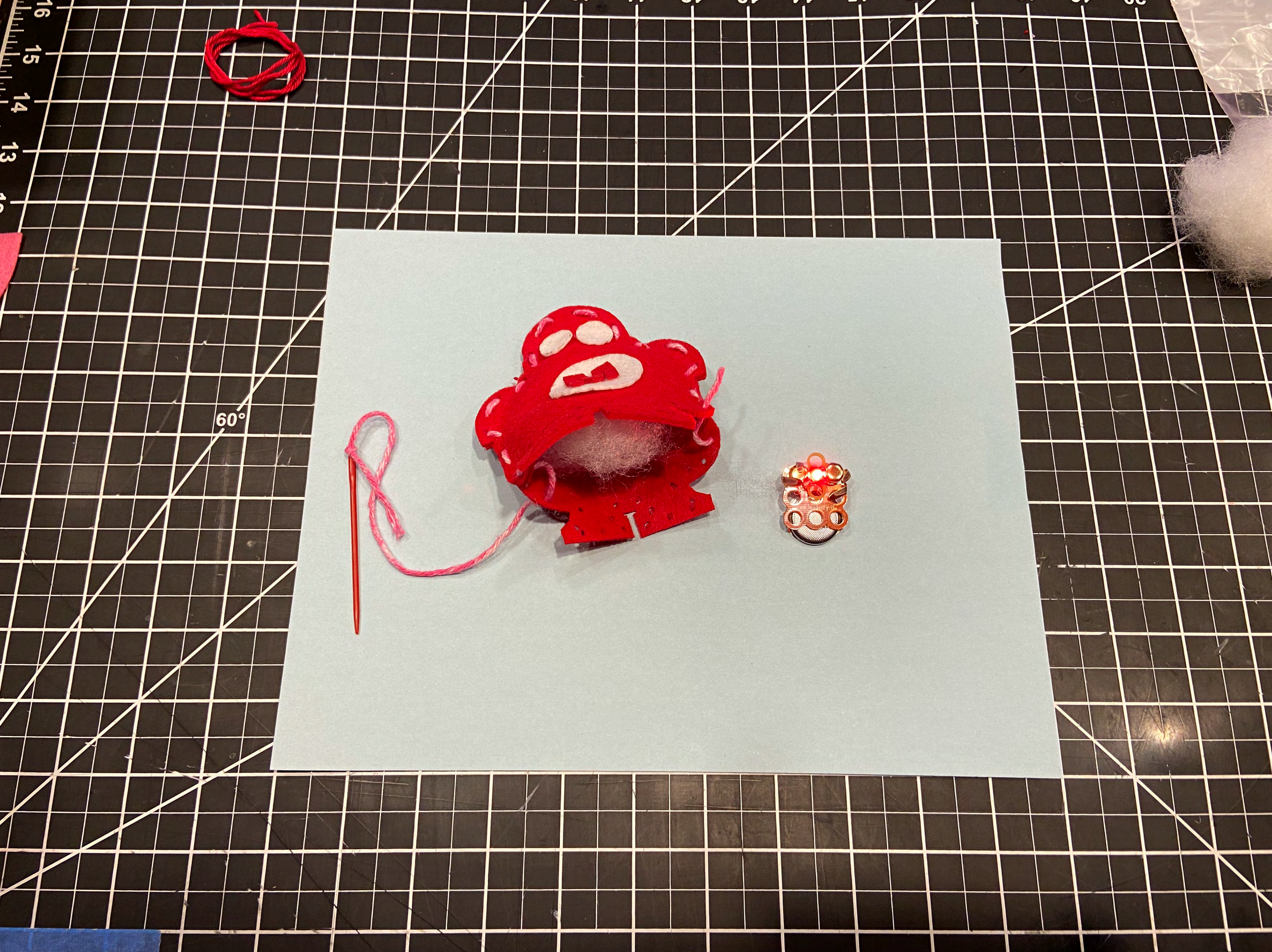








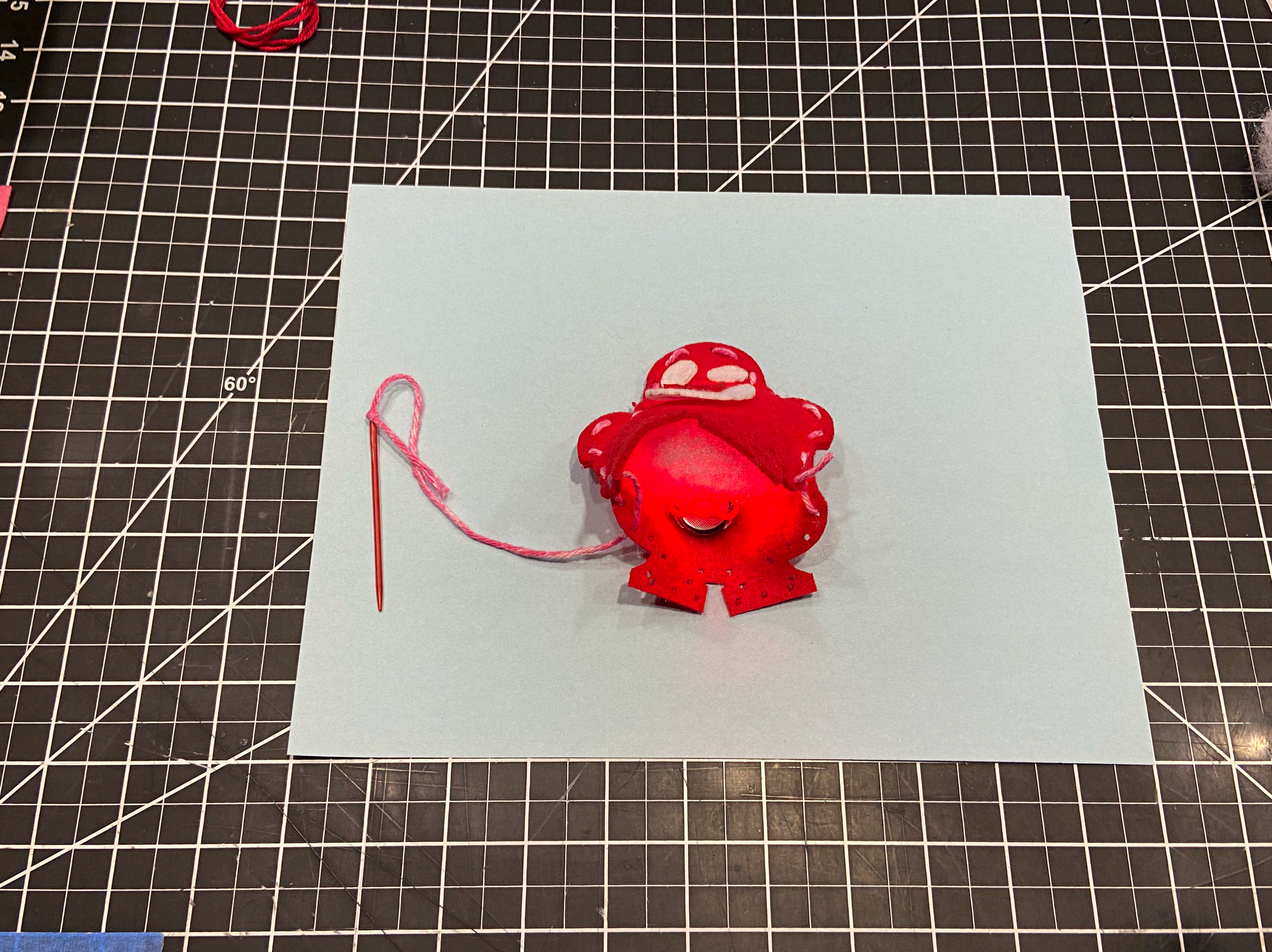




60°







60°



60°





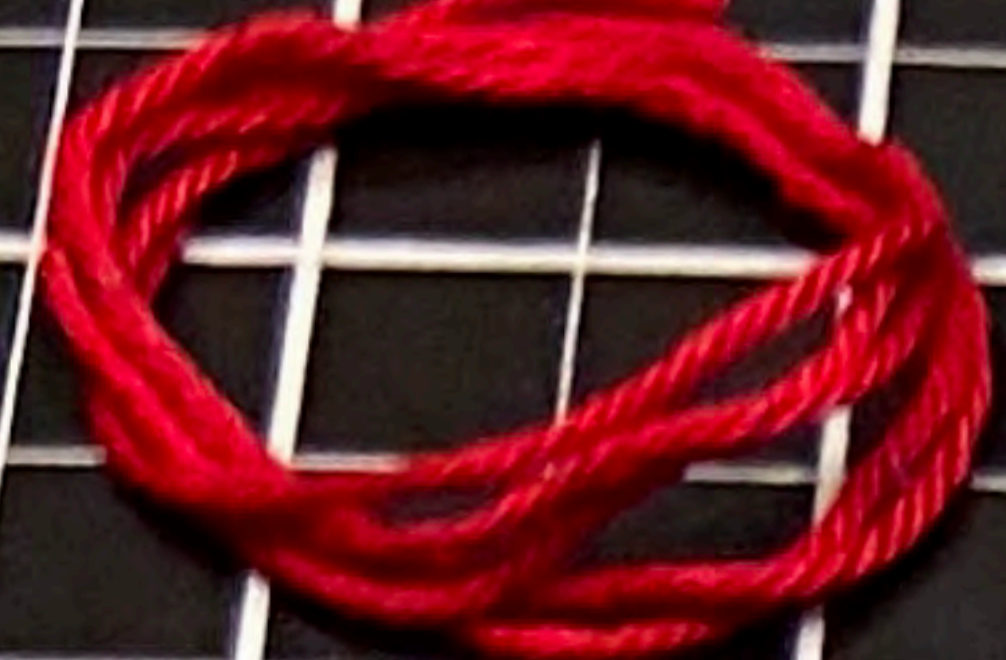
60°











60°



On/Off



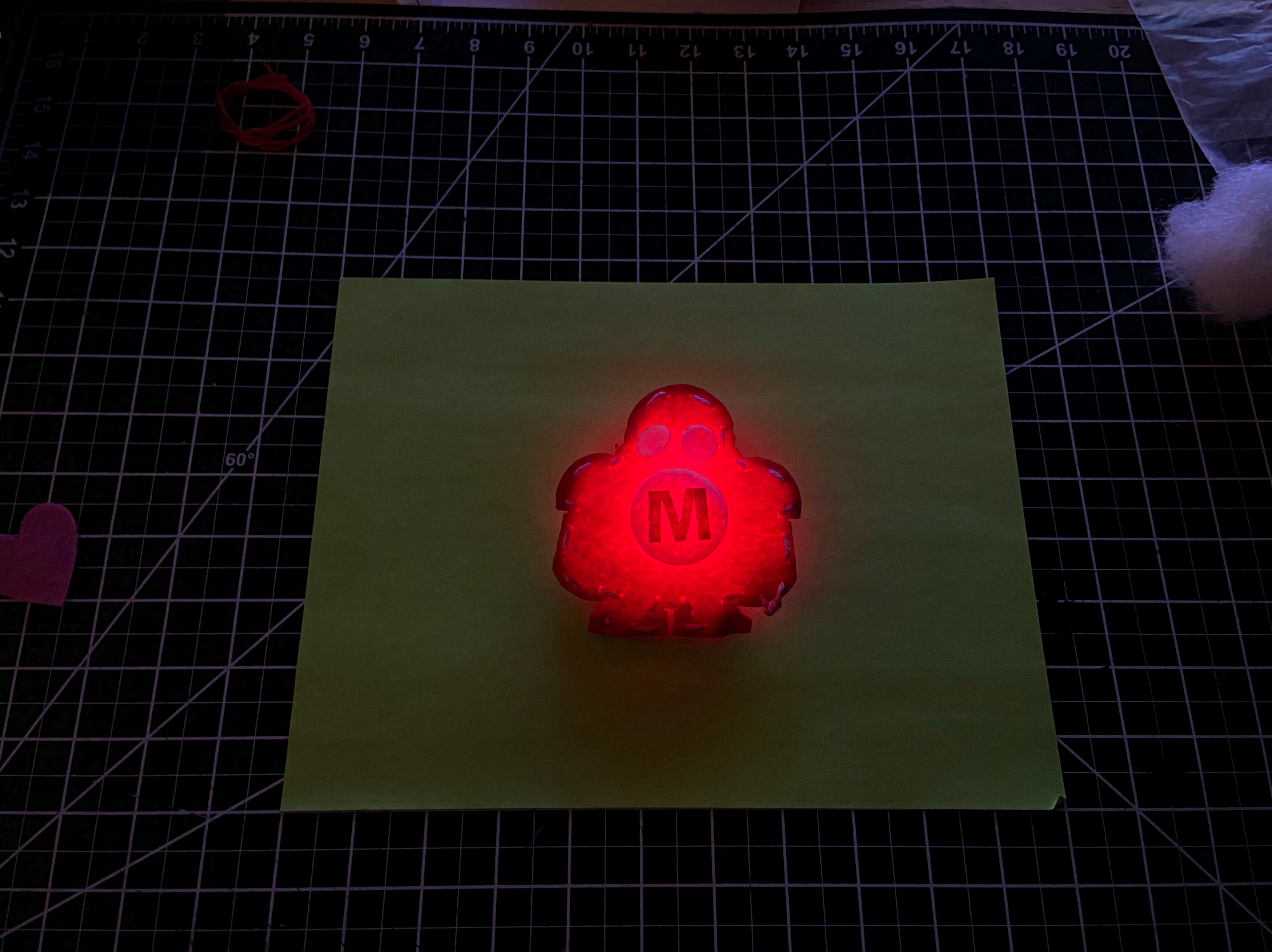




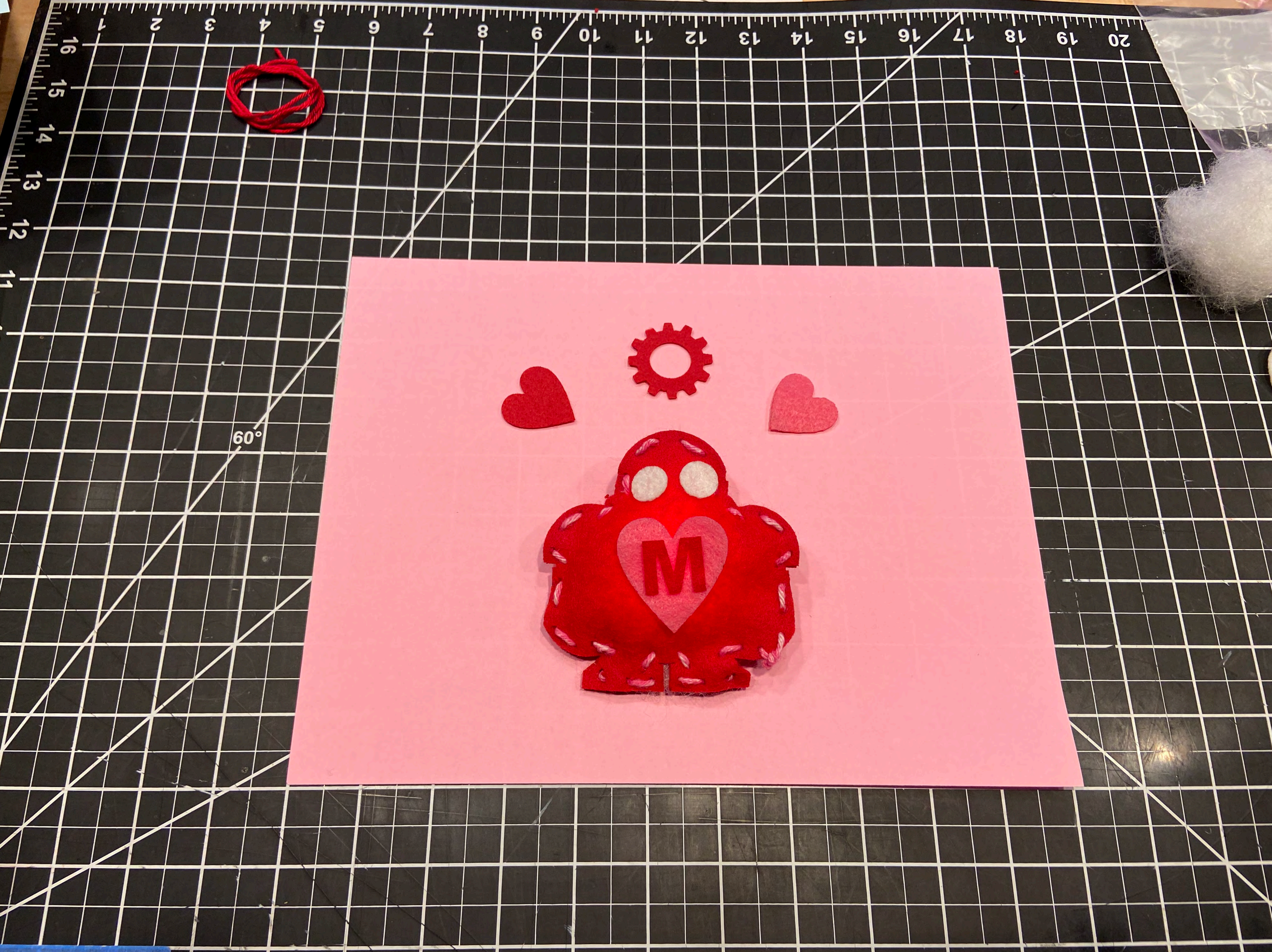
60°













## **MakerHeart Project Steps & Parts**

- **1x Felt Robot Lasercut Body (front/back & shapes)** • **1x Filling Ball**
- **2x Brass Brads** • **1x Conductive Copper Strip**
- **1x Mini Chip LEDs (Red)**
- **1x Darning Needle** • **1x Thread Holder (24"ea Red & Pink thread)**
- **1x Battery Holder (w/On-Off switch)** • **1x Coin Cell Battery**

**Step 1:** Glue the felt shapes onto one side of the robot cutout, allow to dry.

**Step 2:** Thread the string through the darning needle and tie a single knot tightly around the eyelet.

**Step 3:** Starting on one side, pull the string through and leave about an inch of thread at the end, then begin to thread the string in and out of the cutout holes, don't pull the seams too tightly as you move around the cutout.

**Step 4:** Stop your sewing around the bottom of the cutout to allow for filling and electronics to go in, if you are running out of string, you can tie off here and switch to the other color thread to complete after stuffing.

**Step 5:** If you are adding the electronics, go to Step 6 now, or else you can finish threading and tying off your new little Makey pal.

**Step 6:** Assemble the electronics by lining up the battery holder to the LED chip, flip over the battery holder and chip to line them up back-to-back, matching the white loops and the red loops.

**Step 7:** Place the brad clips through each loop and bend to tighten the connection, place the coin cell battery in the holder and turn on, fiddle with the connection as needed to maintain steady light, you can also wrap a small piece of the provided copper tape through the loops in addition to the brad clips to strengthen connection, taking care not to let the brad clips touch each other. For those with soldering skills, a small dab of solder at each connection provides the best connection.

**Step 8:** Place the electronics into the bottom of the stuffie with the LED side up, you will be able to slide the switch on and off through the fabric, a simple mod would be to sew the electronic into place using the loops and cut a small slit for the on/off switch on the back of the stuffie.

**Step 9:** Finish sewing the stuffie and tie off, if you are running out of string, you can switch to the other color thread for the bottom, retaining any leftover for when you will need to change the battery out.



