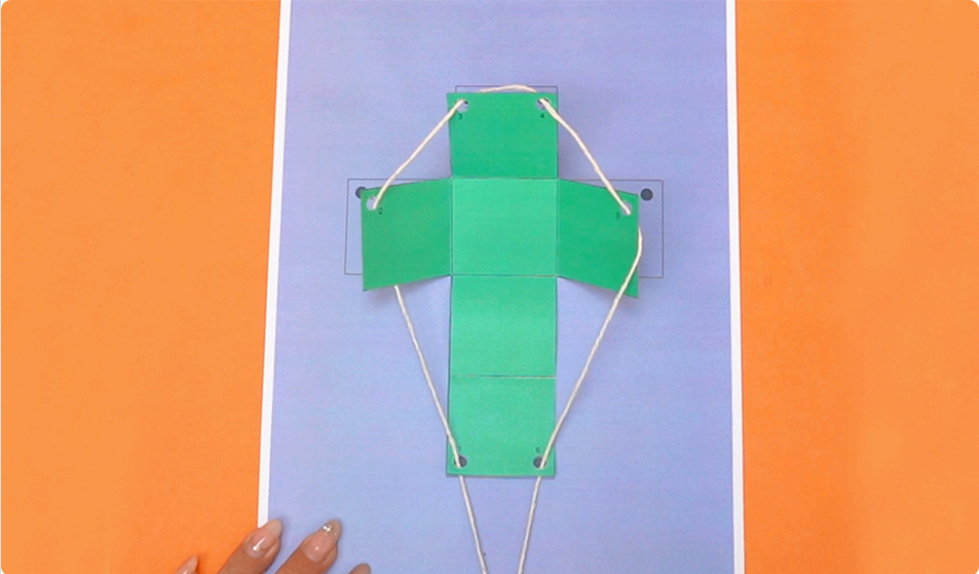


3D Shape Fun! A Hands-on Geometry Adventure!

October 22, 2024 / DIY / STEM Activities / Maths / Age 6 - 8 / 3D Shape Transformation

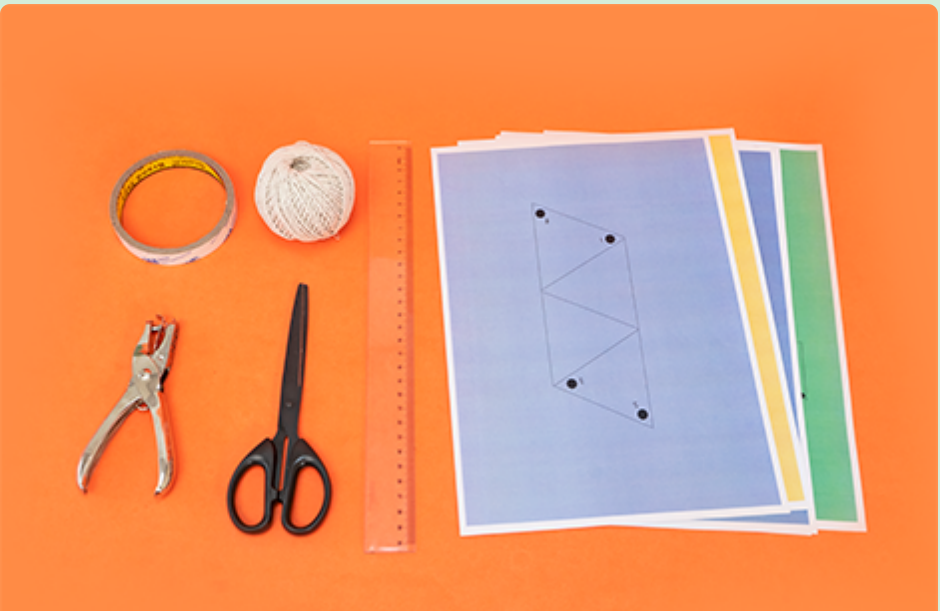


Close your eyes - can you transform a flat shape into a three-dimensional one in your mind? If not, you must try this fascinating shape project. It will start to "transform" right before your eyes, and children will be amazed by this magical change!

- Age: 6-8
- Time: Less than 30 minutes
- Mess Level: A bit messy

Materials Needed:

Double-sided tape
String
6mm hole punch
Scissors
Ruler
Printable templates



Step-by-Step Instructions:

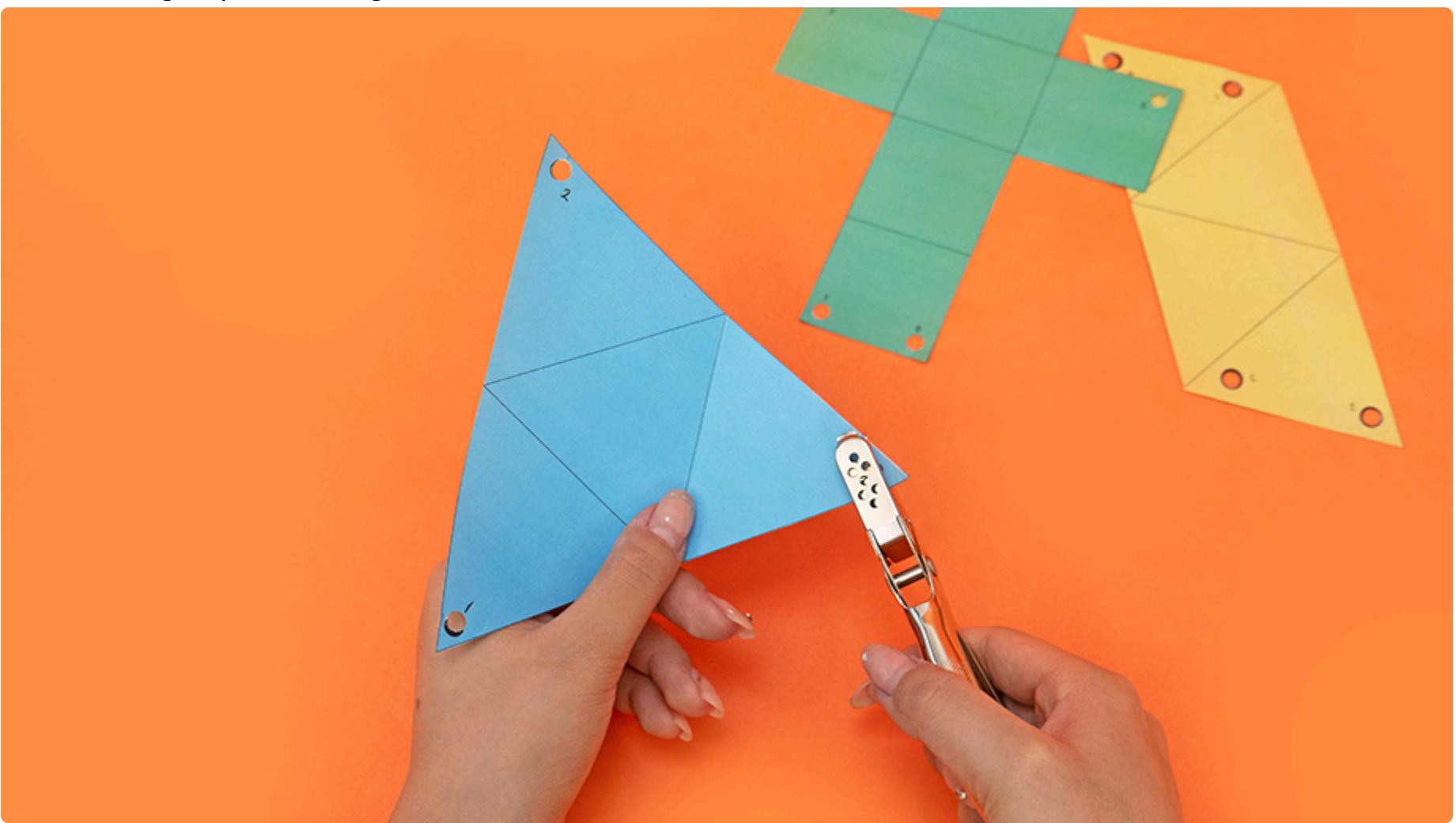
1. Print out the downloaded templates - there are 6 sheets in total (3 coloured, 3 grey).



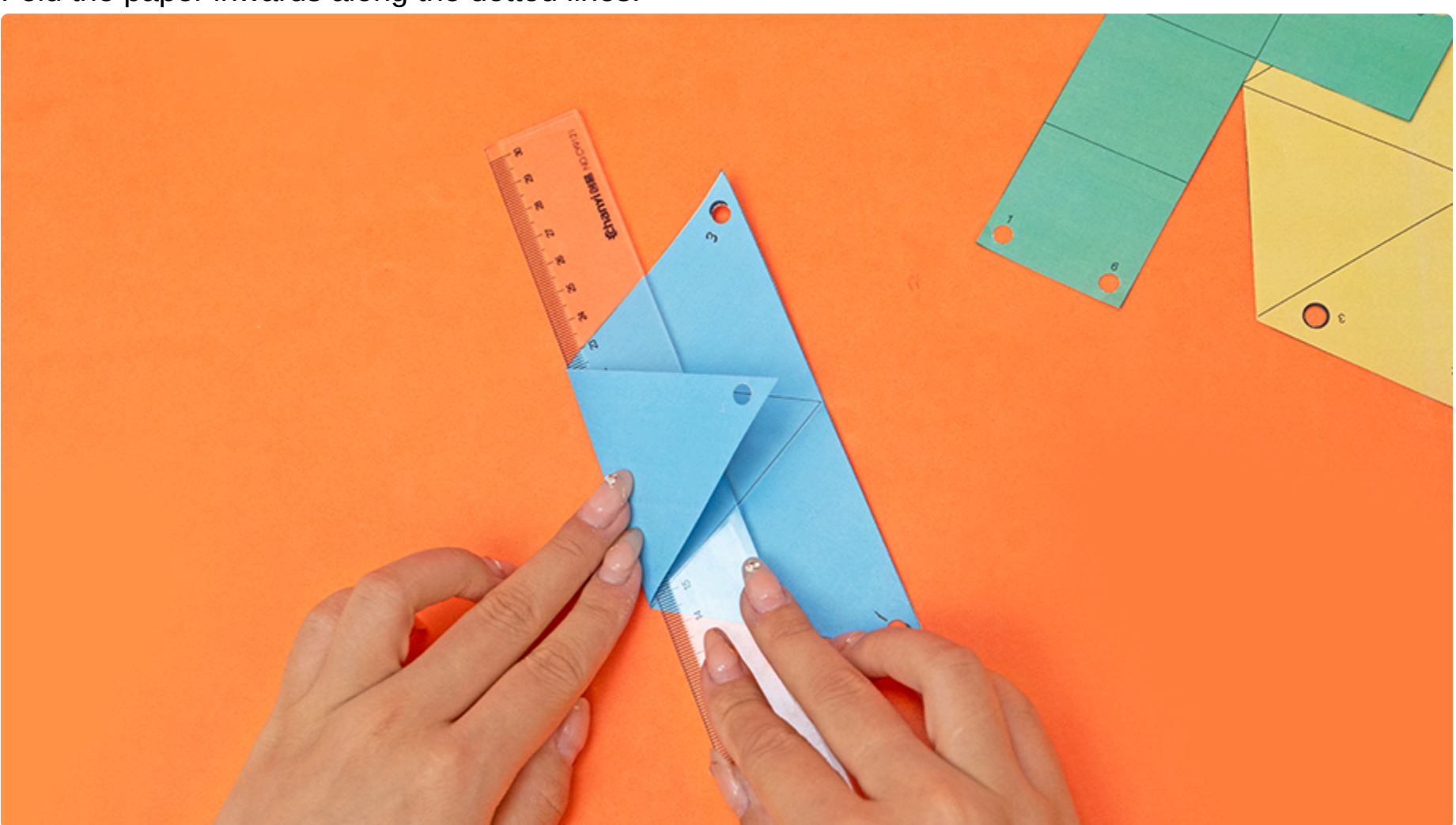
2. Use scissors to cut out the patterns on the coloured paper.



3. Use the hole punch to make holes in the small circles numbered 1, 2, and 3. If you don't have a hole punch, you can carefully cut out these small holes with scissors. The holes should be just large enough for the string to pass through.



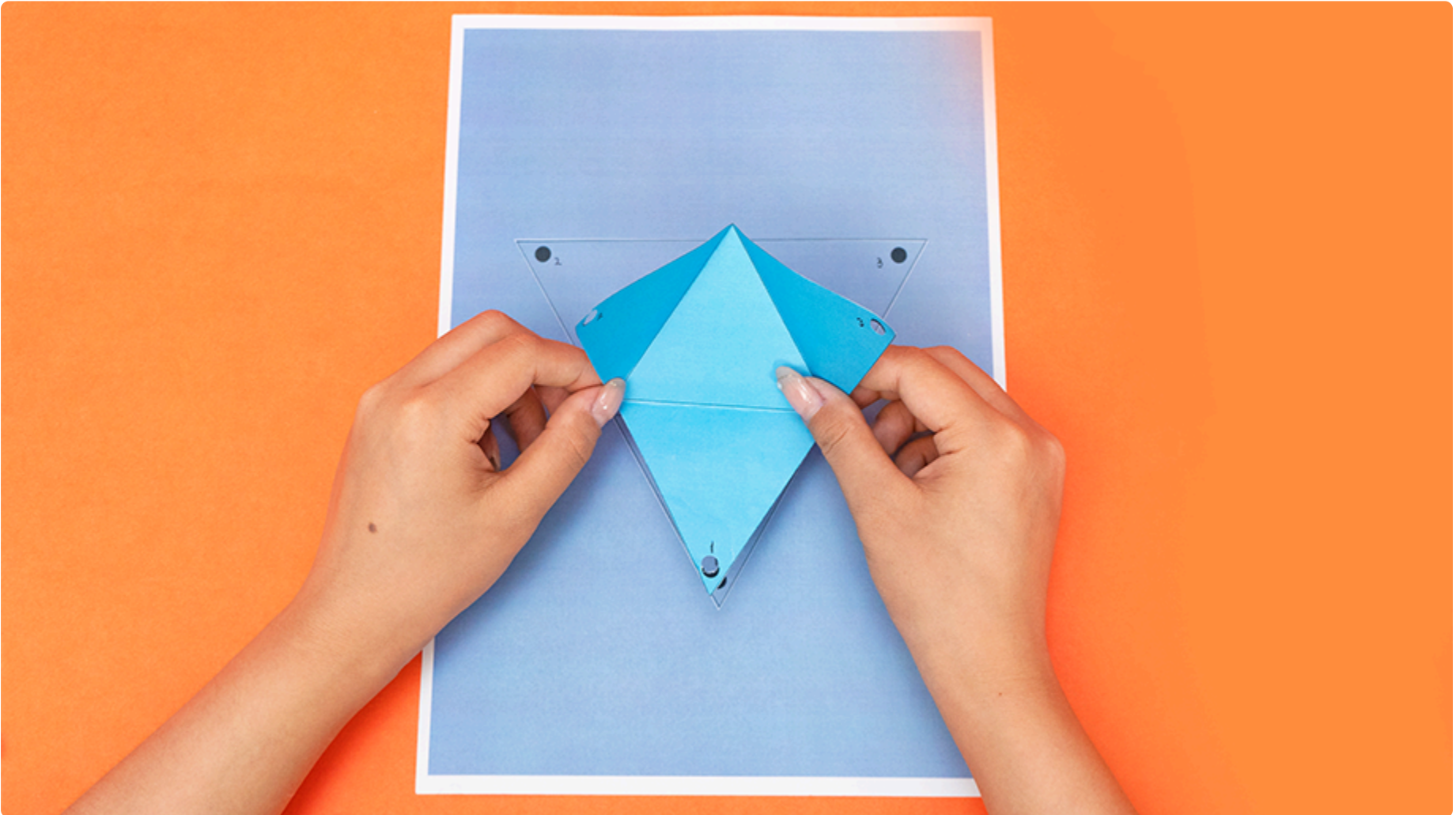
4. Fold the paper inwards along the dotted lines.



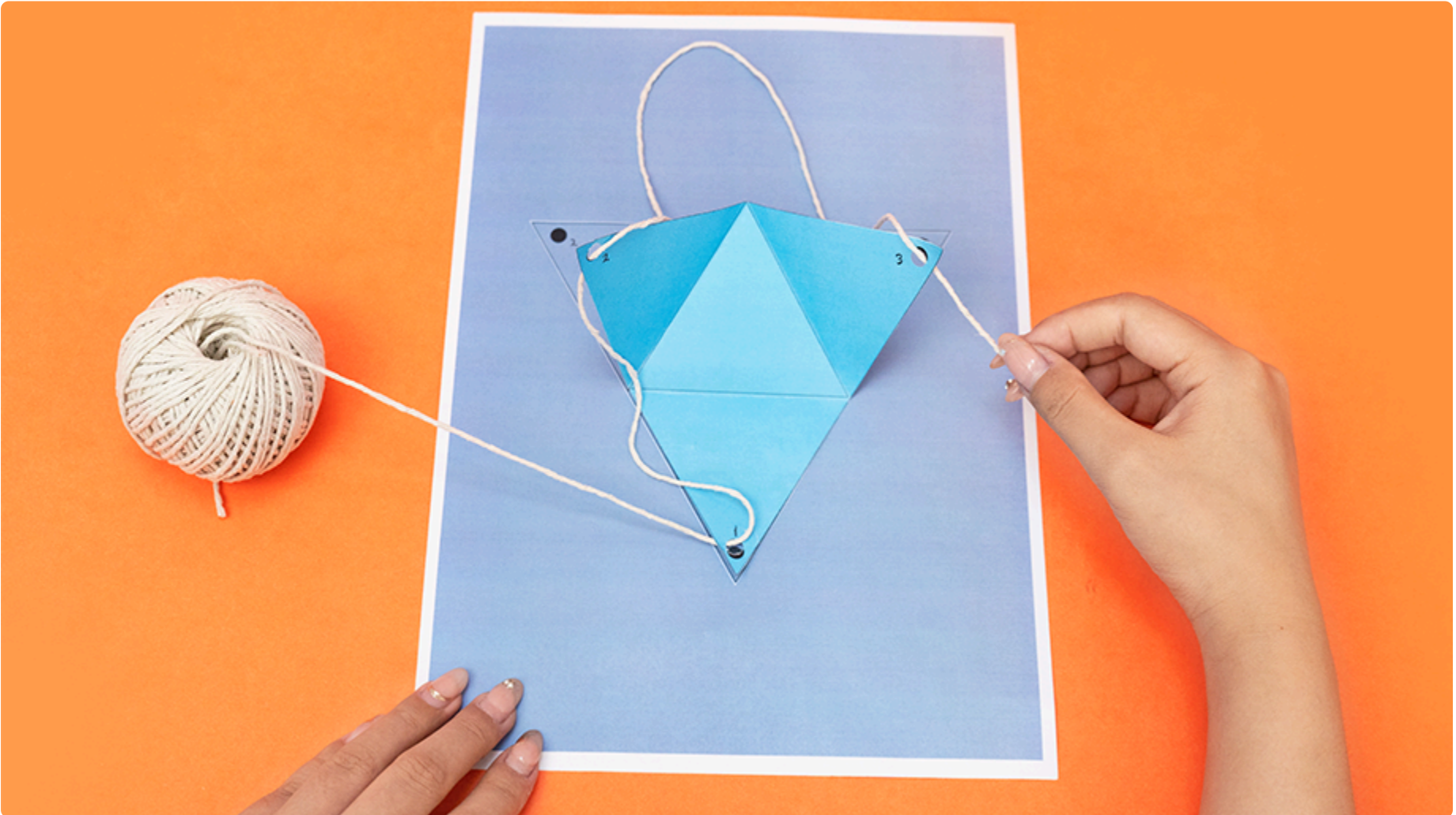
5. On the back of the paper corresponding to number 1, stick a small piece of double-sided tape.



6. Find the grey template paper matching the shape. Stick the pattern in the corresponding numbered position.



7. Thread the string through these holes in order. Make sure the string goes up through the first hole and down through the last hole.



8. Gently pull the string backwards, and your pattern will become a three-dimensional shape. Repeat the above steps to create other patterns.

