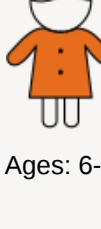



★★★★★

Straw Cube

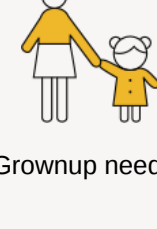
Stem Activities



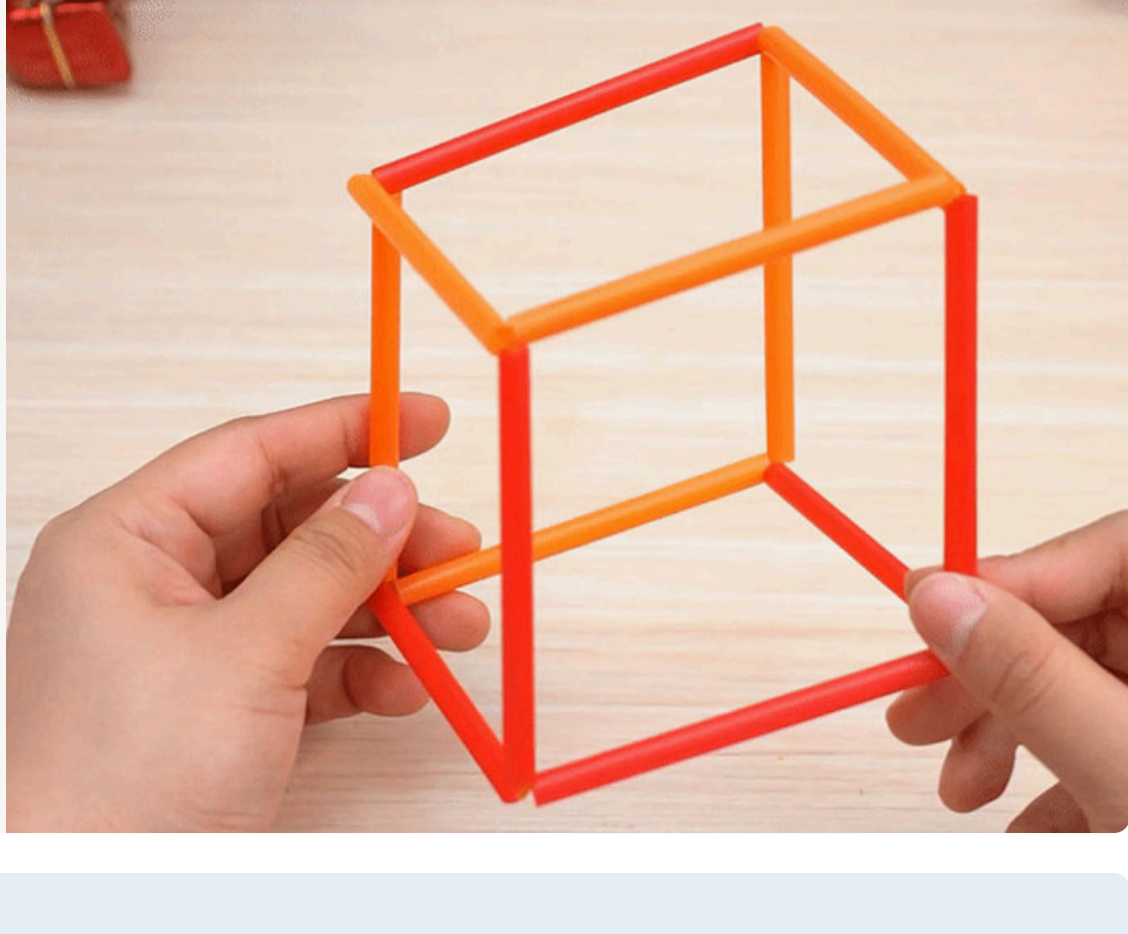
Ages: 6-8



Less than 30 minutes



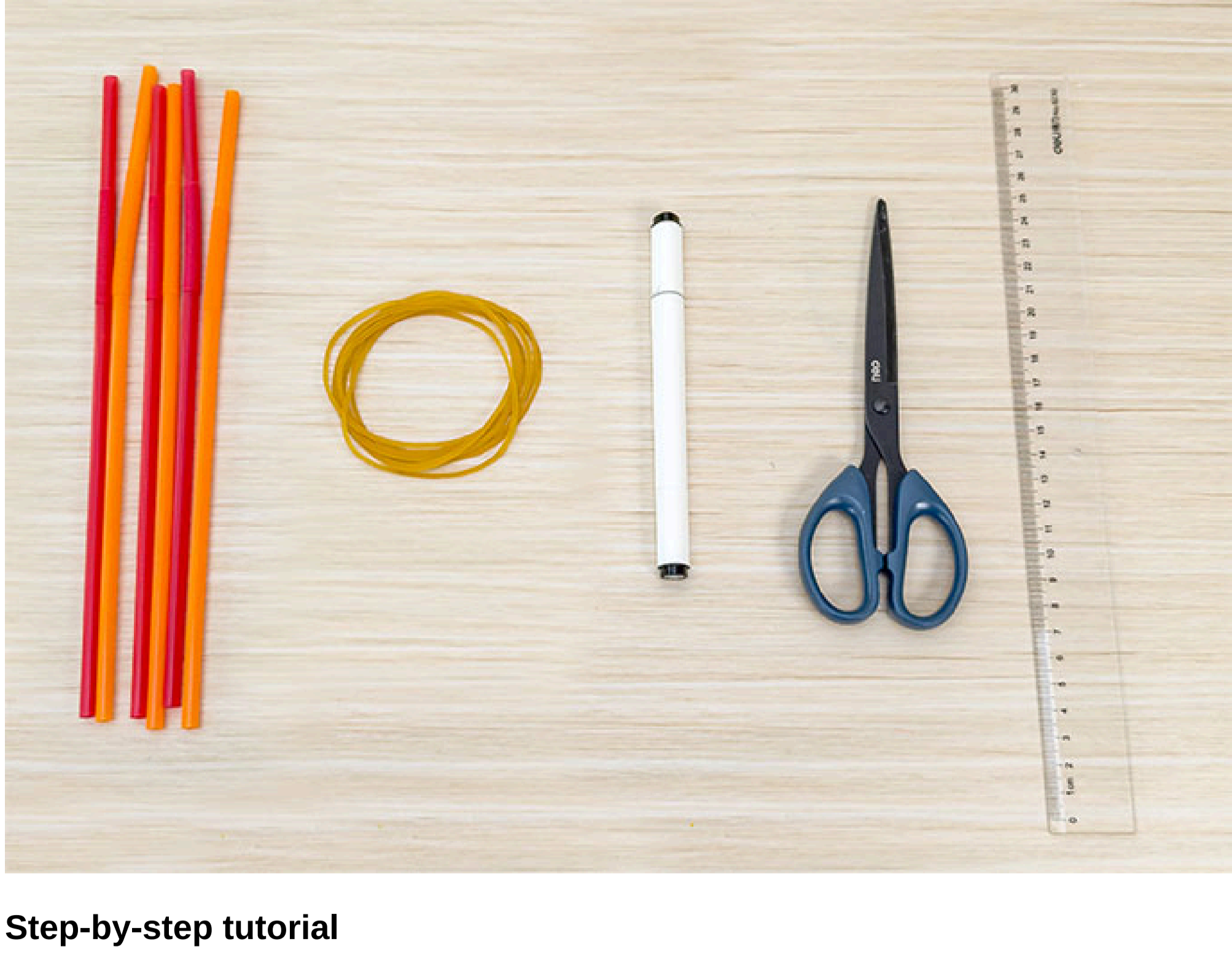
Grownup needed



Create a shape-shifting cube using just straws and rubber bands that can transform between flat and three-dimensional forms at will.

Materials Needed

6 Straws
Rubber bands
Marker pen
Scissors
Ruler



Step-by-step tutorial

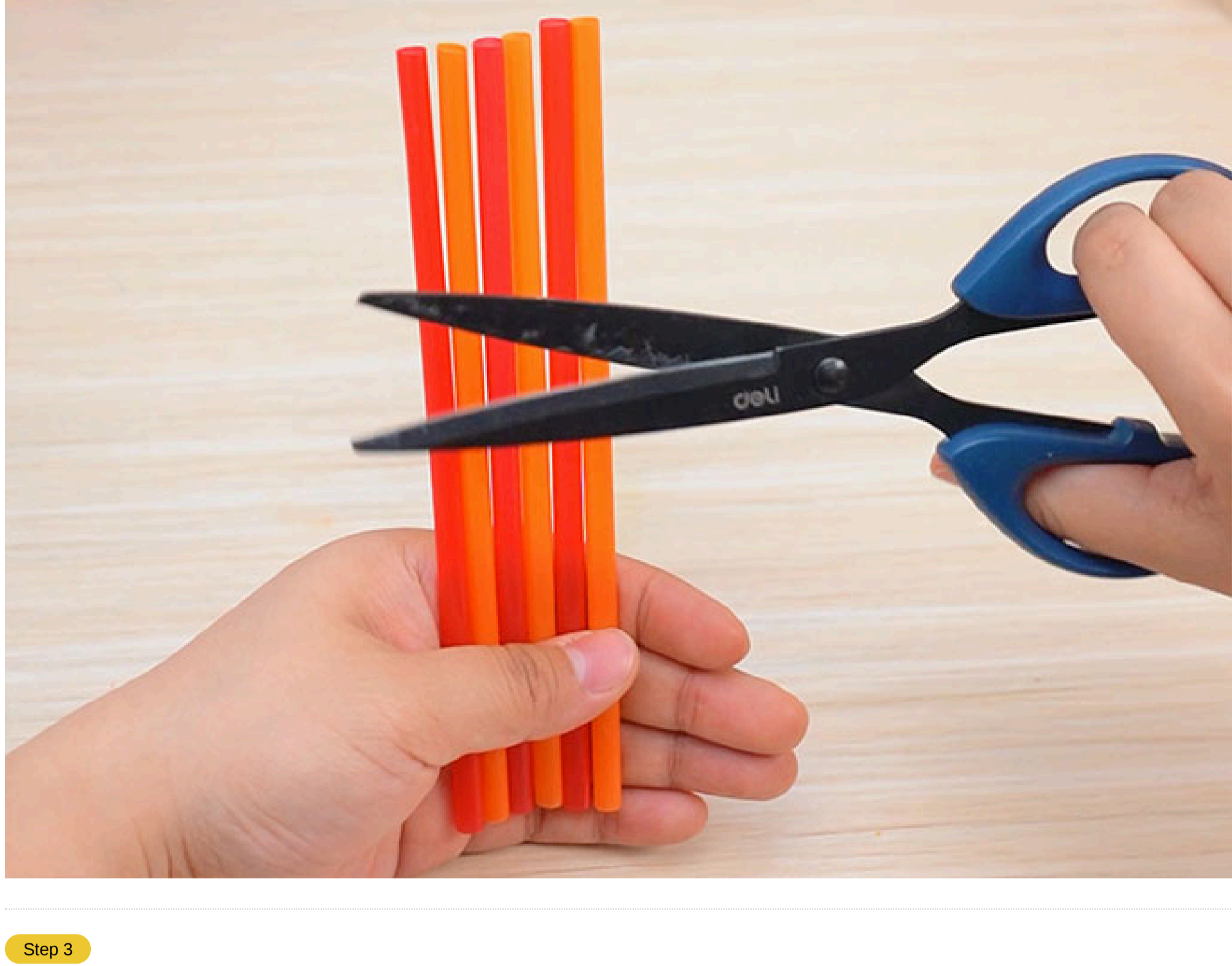
Step 1

Use scissors to cut off the bendable part of all 6 straws.



Step 2

Cut each of the 6 straws in half, trying to keep all pieces the same length.



Step 3

Cut the rubber bands to create elastic strings.



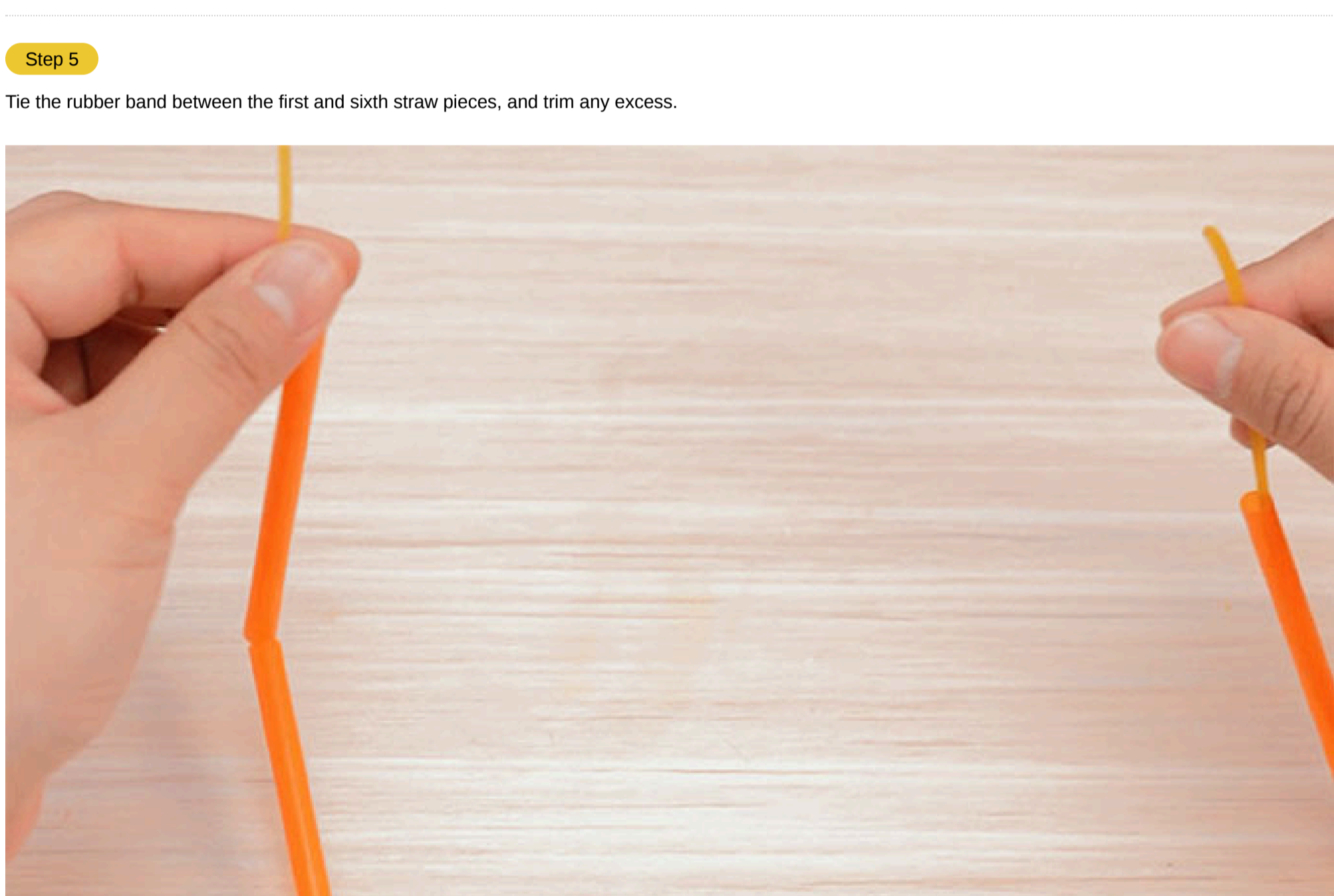
Step 4

Connect 3 cut rubber bands to make a long elastic string, then thread 6 straw pieces onto it.



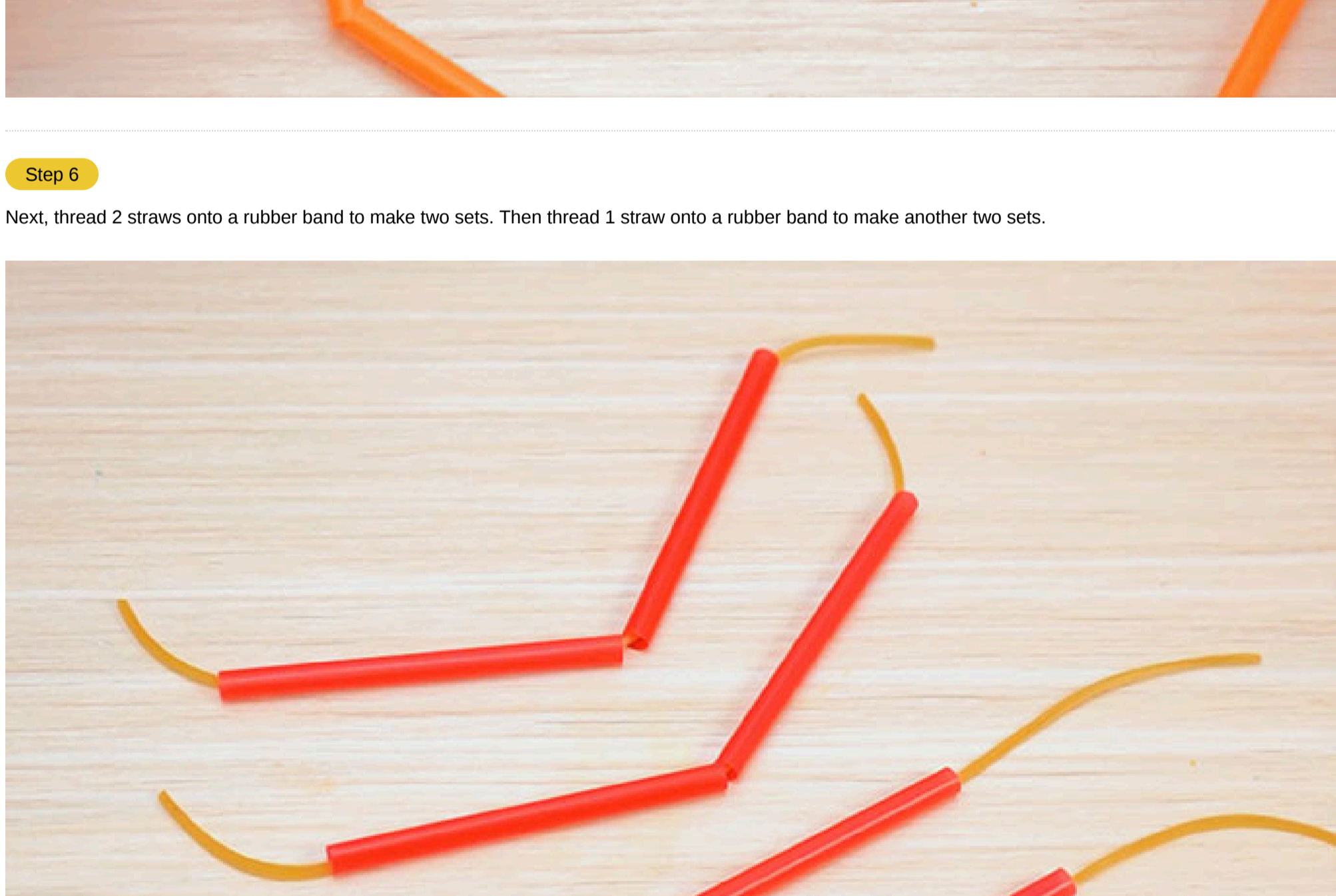
Step 5

Tie the rubber band between the first and sixth straw pieces, and trim any excess.



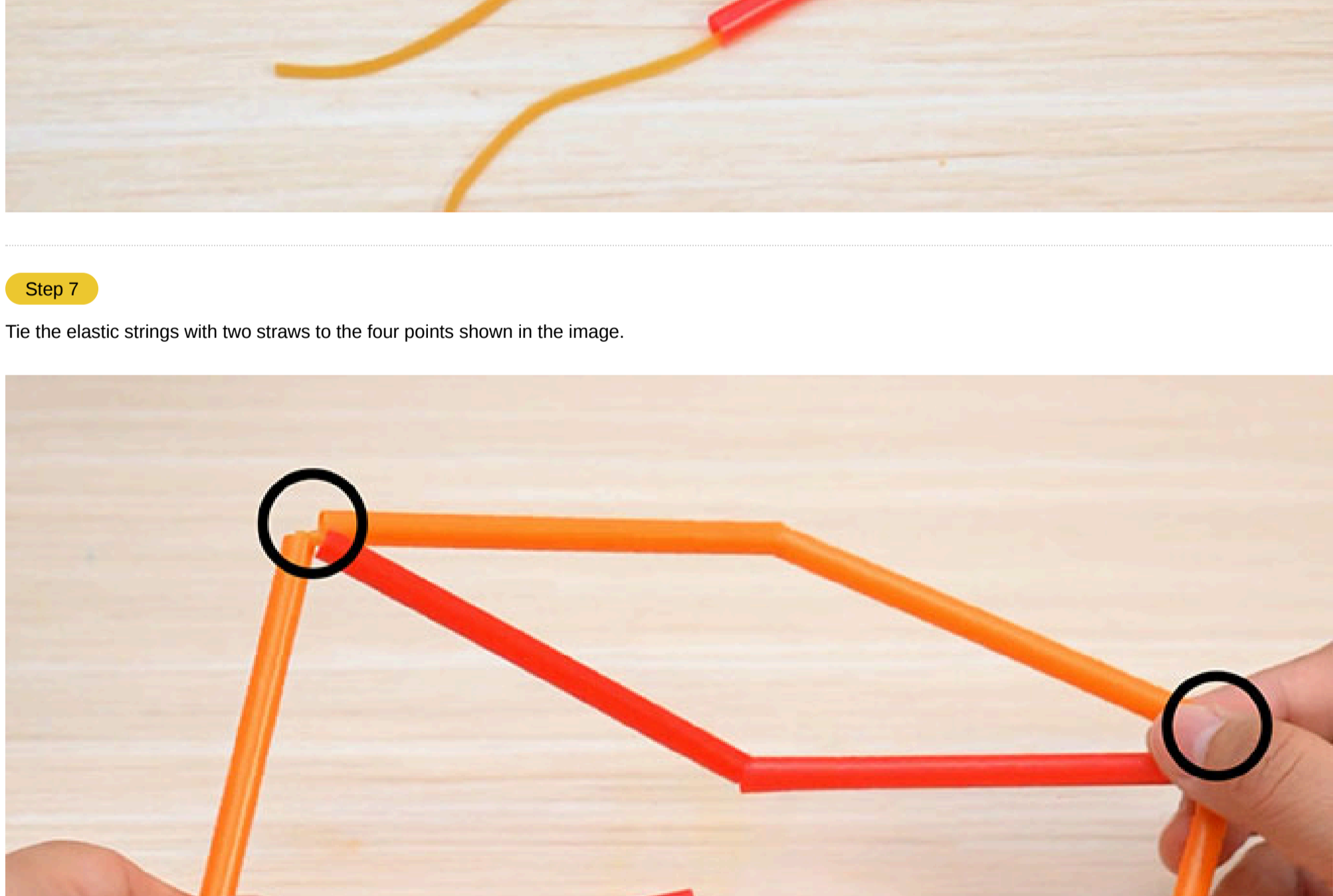
Step 6

Next, thread 2 straws onto a rubber band to make two sets. Then thread 1 straw onto a rubber band to make another two sets.



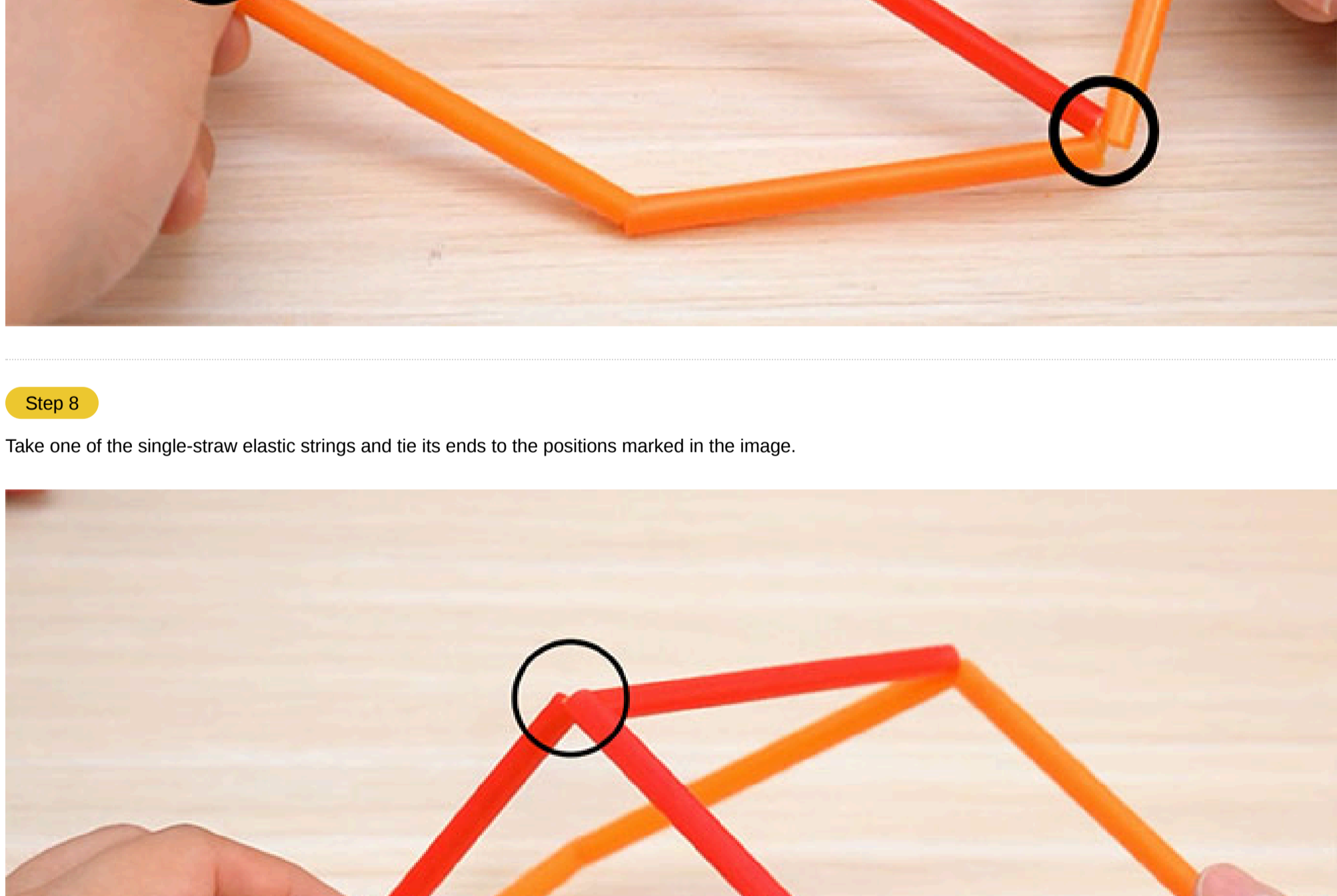
Step 7

Tie the elastic strings with two straws to the four points shown in the image.



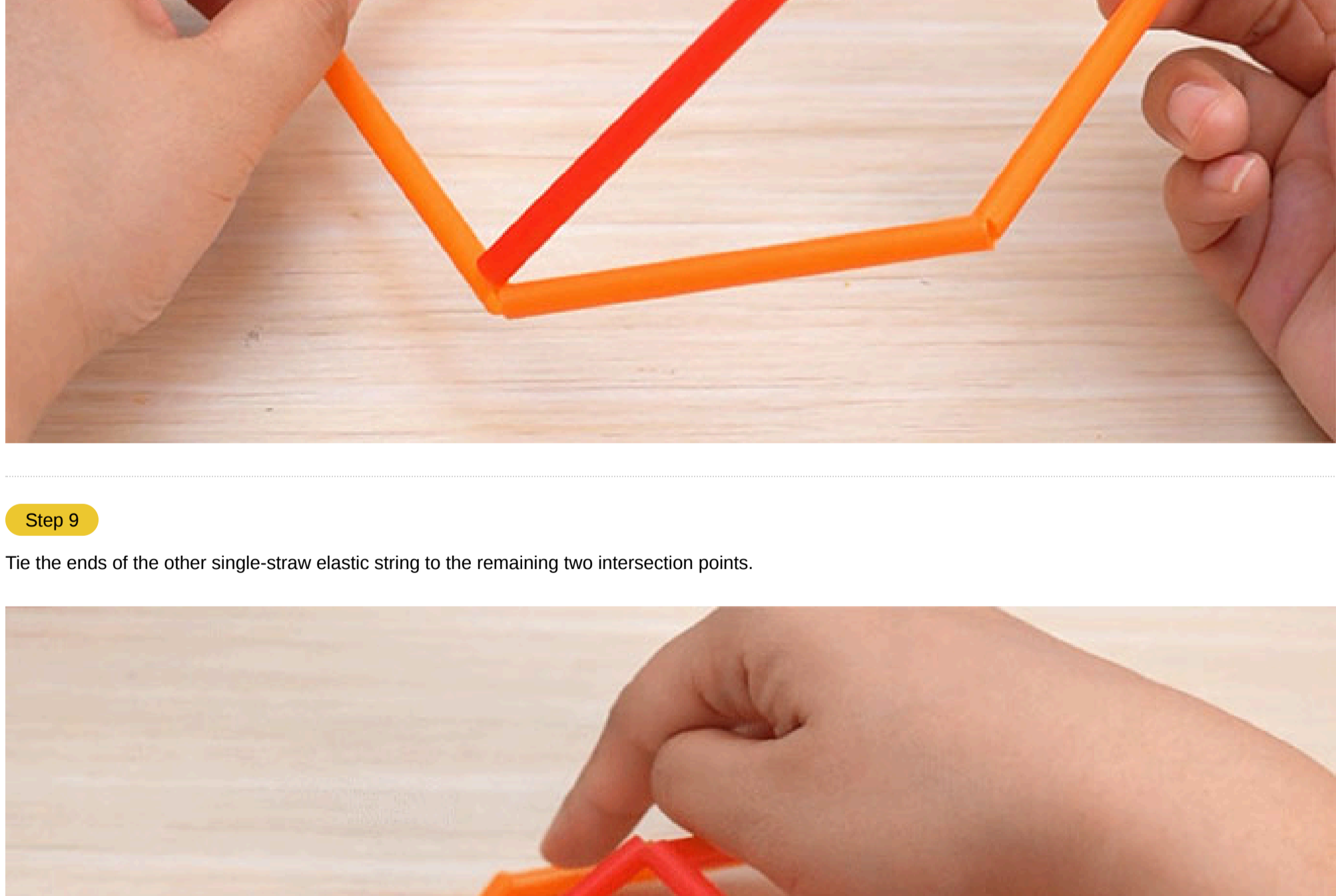
Step 8

Take one of the single-straw elastic strings and tie its ends to the positions marked in the image.



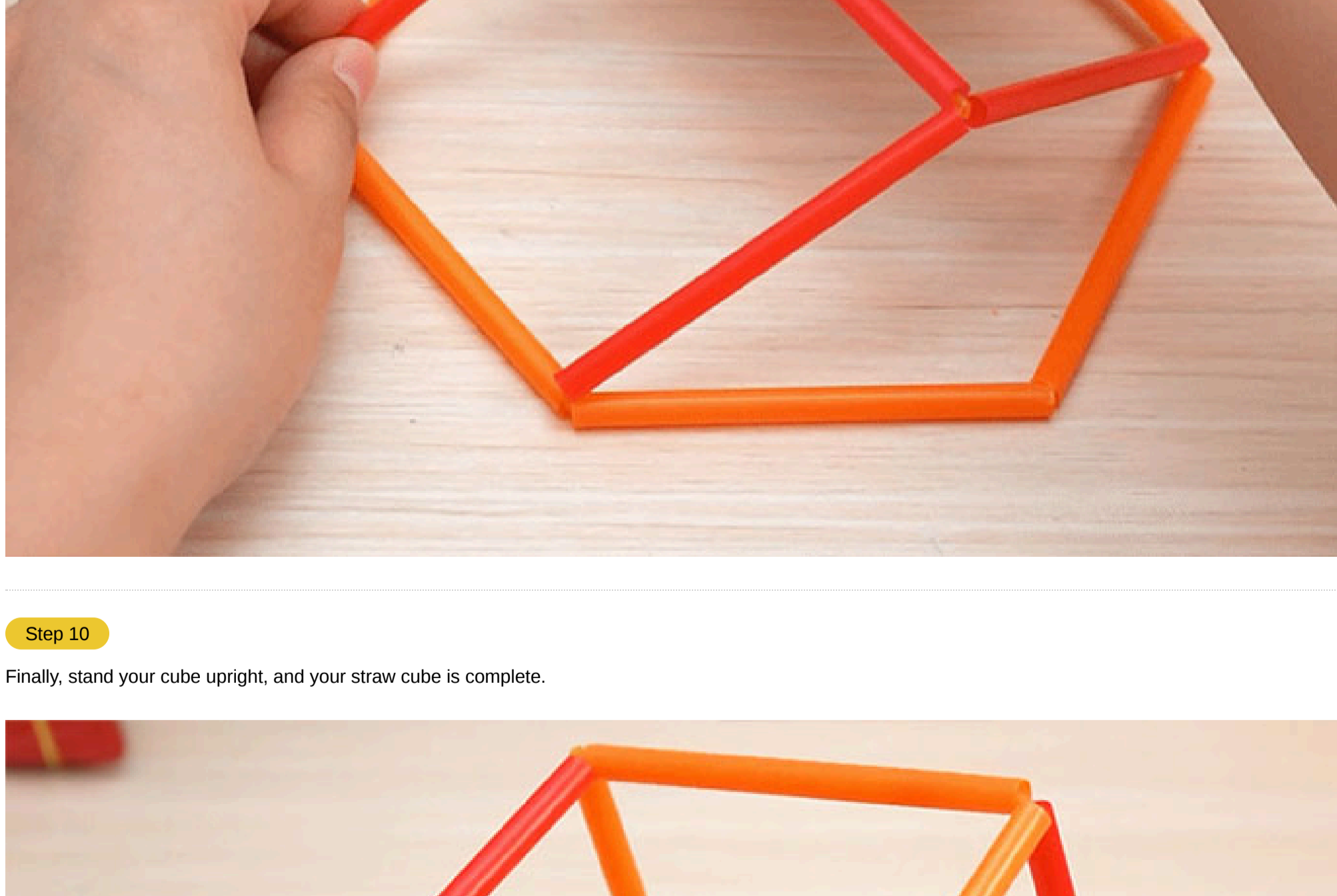
Step 9

Tie the ends of the other single-straw elastic string to the remaining two intersection points.



Step 10

Finally, stand your cube upright, and your straw cube is complete.



Step 11

Try twisting the straw cube to create different shapes!

