

ACTIVITY 2 Side-Side-Side

- 1 On a sheet of paper, arrange three pencils or drinking straws of unequal length in the shape of a triangle.
- 2 Make a dot at the vertices of the triangle.
- 3 Use a straightedge to connect the dots.
- 4 Repeat Steps 1–3 with the same pencils or drinking straws at two other places on the paper so you have three triangles that do not overlap and are oriented differently.



- 5 Cut out the triangles along the sides. Overlay the triangles so the corresponding sides overlap.
- 6 Are the triangles congruent?

Since you used the same three pencils or drinking straws to create each triangle, the corresponding sides of the triangles are the same.