Name: _____

Straw Activity

1. You and your partner will construct many different triangles and record all of your findings in the table below. Choose **3 straws** to construct your triangles and record the side lengths in the table. Do **not** make equilateral triangles. For each group of straws, tell whether they compose a triangle or not.

Side length 1 (Shortest side)	Side length 2	Side length 3 (Longest side)	Does this make a triangle, yes or no?

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2. What pattern do you notice in the table? What do you notice about the side lengths that made a triangle and the side lengths that did not make a triangle?

3. Choose one set of straws that **did not** make a triangle. S1___ S2 ___ S3___
    What could you change about the third side so that they would construct a triangle?

4. Now, take a full straw and cut it into 3 pieces (each of a different length) so that you are able to construct a triangle from these 3 pieces. Trace this triangle on the paper and label the dimensions of each side of the triangle.