

And the strongest is...

Materials:

1 index card; 6 popsicle sticks; 6 pipe cleaners; 2 boxes/containers

Tape 6 popsicle sticks together. Tape 6 pipe cleaners together.

Place the two boxes 4 inches apart in order to create a “bridge” across the boxes with the items.

Test each item as the “bridge”.

Place gram weights on top of each item until the bridge collapses.

Record that number in the appropriate place in your journal.

Then, using your data from the tests, construct a bar graph in your journal.

Don't forget to determine the scale and label the parts on the graph.

Think about and discuss with your group... what makes a material strong?

Did taping the pipe cleaners and popsicle sticks together make them stronger? Why/Why not?

Explain in your journal...