



Build a Bridge Challenge

Goal: Build a bridge that can support the weight of as many pennies as possible without breaking.

Materials:

- 2 pieces of paper
- 12 inches of tape

Instructions:

1. Get into groups of 2-3.
2. Use your materials to build a bridge that can support as much weight as possible.
3. Predict how many pennies you think your bridge will hold.
4. Once everyone is finished, it is time to test them! Carefully place your bridge between the two ends.
5. Slowly add pennies to your bridge, and count them as you add them.
6. The bridge is considered broken once it bends or pennies fall off of it.
7. Record how many pennies the bridge held before it broke. The last penny that made the bridge break does not count.

Prediction: The bridge will hold _____ pennies before it breaks.

Data: The bridge held _____ pennies before it broke.

