

## Procedure

- First step: Creating a data table in order to put all the information down.
- Second step: setting up features to hang the cup from spaghetti.
- Third step: Measuring the weight of each marble.
- Fourth step: beginning the experiment by adding marbles one by one till the spaghetti bridge breaks.
- Fifth step: count the number of marbles after each break to find out the weight.
- Sixth step: repeating steps of four and five by adding additional strand at each measurement till they are five.
- Seventh step: repeating steps four and five by changing the length of them.
- Eighth step: Making graph of weight- length and weight- thickness

## Materials:

- Spaghettis
- Marbles
- Cup for measurements
- Graphing calculator
- Sinker

## Introduction:

Spaghetti Bridge is a simple bridge made of spaghetti, which demonstrates the stressed to the breaking point. By making this bridge, the relationship between the amounts of weight that can be supported by the bridge, its thickness and length is shown.