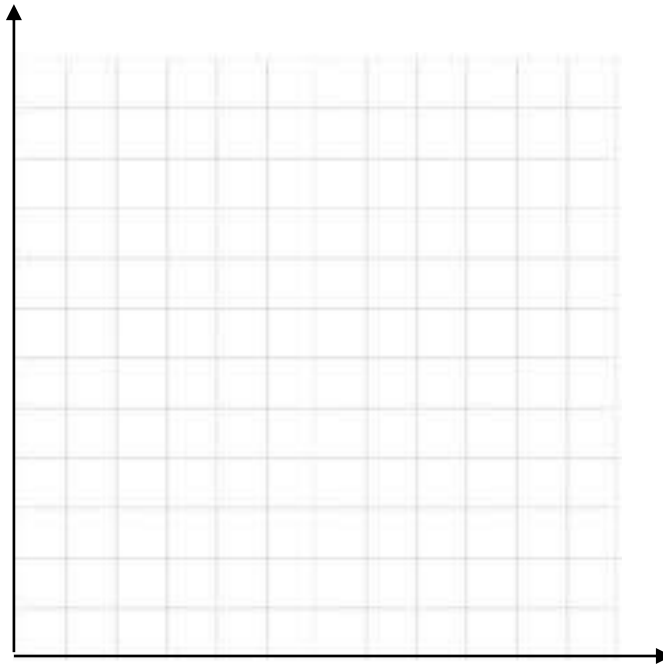


# TWMM Problem 1.2

## Bridge-Length Experiment

Group 1 Results

Length (inches)	4	6	8	9	11
Breaking Weight (# of pennies)	42	26	19	16	14



Graph the result of the experiment from Group 1.

1. What is the relationship between bridge length and breaking weight?
2. Compare this table and graph to the table and graph from Problem 1.1 (bridge thickness experiment). In what ways is the data similar? In what ways is it different?
3. Use this data to predict the breaking weight for bridges of lengths 3, 5, 10, and 12 inches. Explain how you made your predictions.