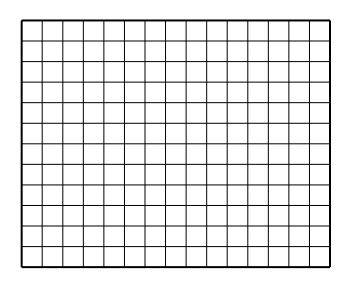
Models All Around Reflect and Apply

• You will be using 3 different models for this activity, a table model, a graph model, and a formula model.

A stack of 3 nickels is 6 mm high. Fill in the table below and create a scatter plot on the graph of your data. Be sure to label and scale the axes on the graph.

# of nickels	Height of
in a stack	the stack
6	
9	
12	
	36
24	
32	
	70



- 1. What is the height of a single nickel? _____
- 2. Create a formula model for your data. Make sure to declare your variables.
- 3. Use your formula model to predict values for the following: (Show your calculations!)
 - a. The height of a stack of 65 nickels.
 - b. The height of a stack of 120 nickels.
 - c. If a stack of nickels is 90 mm high, how many nickels are in the

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