

Name _____ Date _____ Block _____

Rubber Band Launcher Lab



Problem: Does distance a rubber band is stretched affect its distance it flies when launched?

Hypothesis:

If _____

Then, _____

Materials: 8cm long rubber band, ruler meter stick.

Procedure:

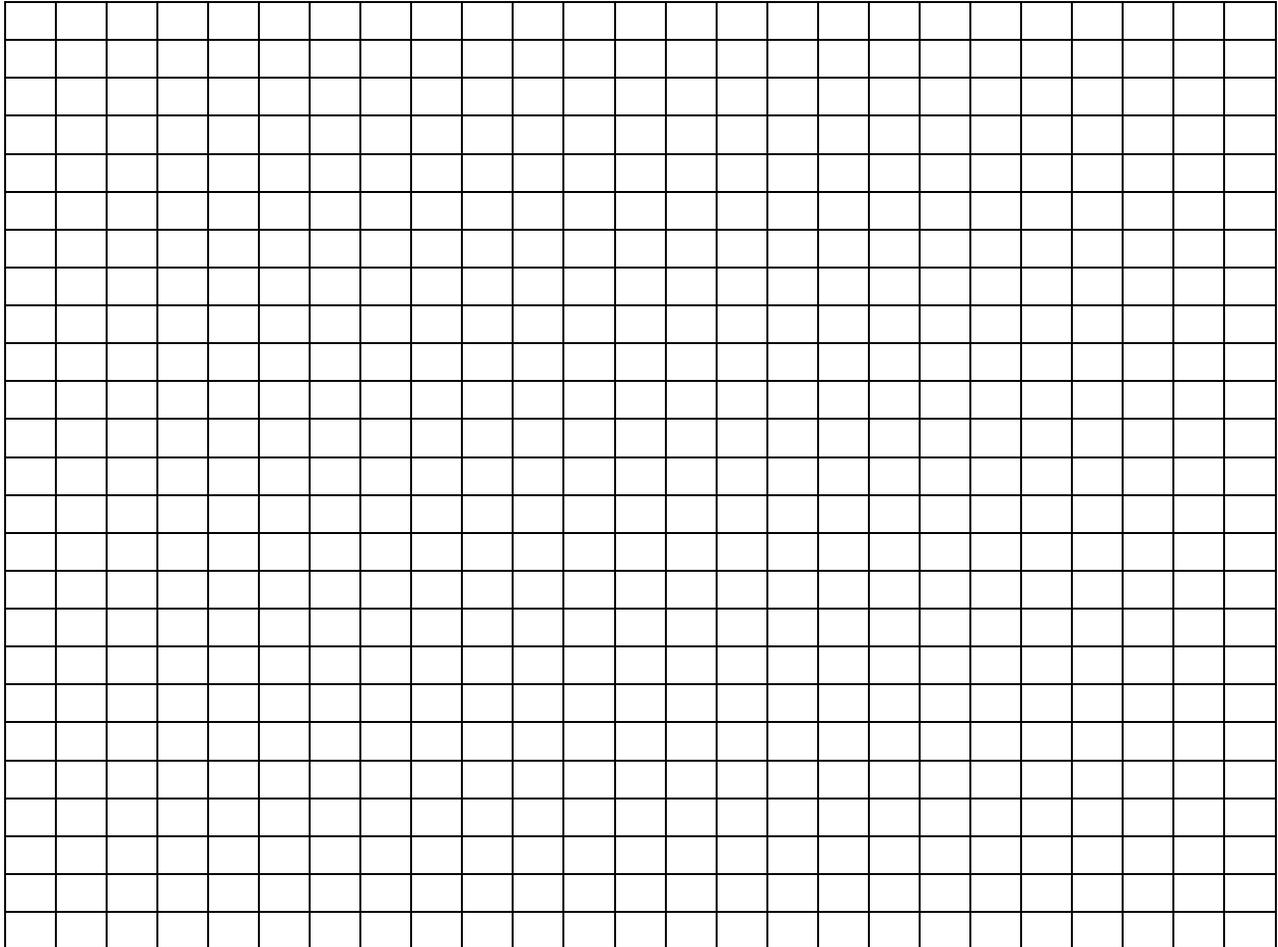
1. Next, stretch your rubber band on a ruler to 9cm . (That is the length of the rubber band + 1cm.)
2. Holding your rubber band horizontal, release it. (DO NOT point it at someone!!!!)
3. Measure the distance travelled in cm, and record the distance in the data table. You will do five trials each.
4. Repeat the process, each time stretching the rubber band by 1 cm more. Complete the data table.

Data Table

	Total stretch	9 cm	10 cm	11 cm	12 cm	13cm
Total Distance Traveled in cm	Trial 1					
	Trial 2					
	Trial 3					
	Trial 4					
	Trial 5					
	Average					

Graph:

Make a line graph of your *AVERAGED* data. Don't forget the tails!



Analysis:

1. What was the independent variable? _____
2. What was the dependent variable? _____
3. What relationship occurred between the independent variable & the dependent variable?
Was it a **Positive relationship** (*When one variable increases the other variable increases.*) or
was it a **Negative relationship** (*When one variable decreases the other variable increases.*)

