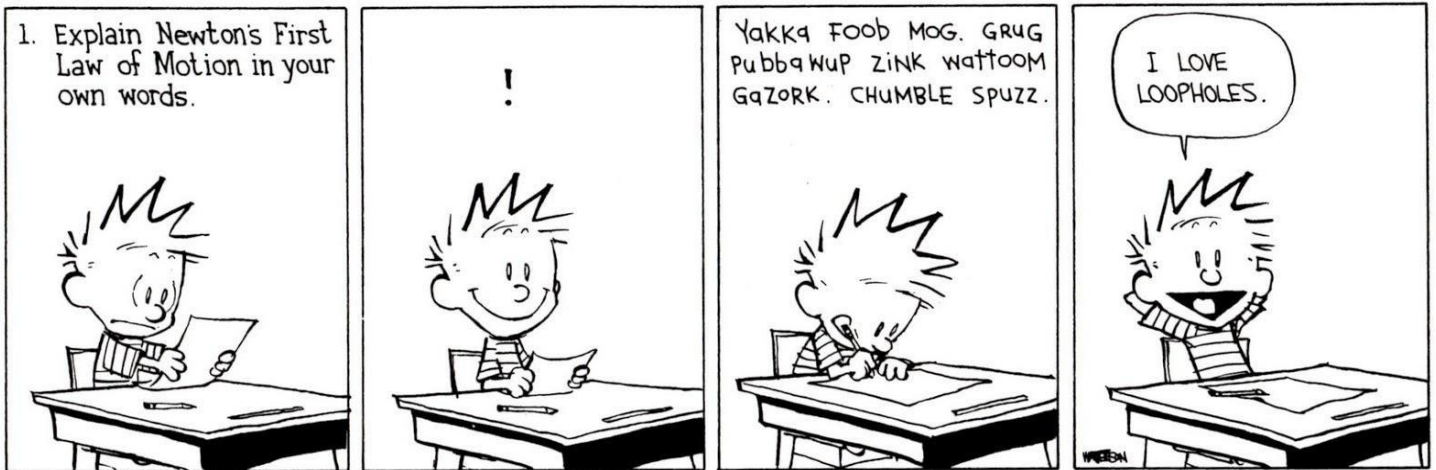


Exploding Canisters



Newton's Laws of Motion

1st Law



A body in motion remains in motion or a body at rest remains at rest, unless acted upon by a force.

2nd Law



Force equals mass times acceleration: $F = m \cdot a$

3rd Law



For every action, there is an equal and opposite reaction.

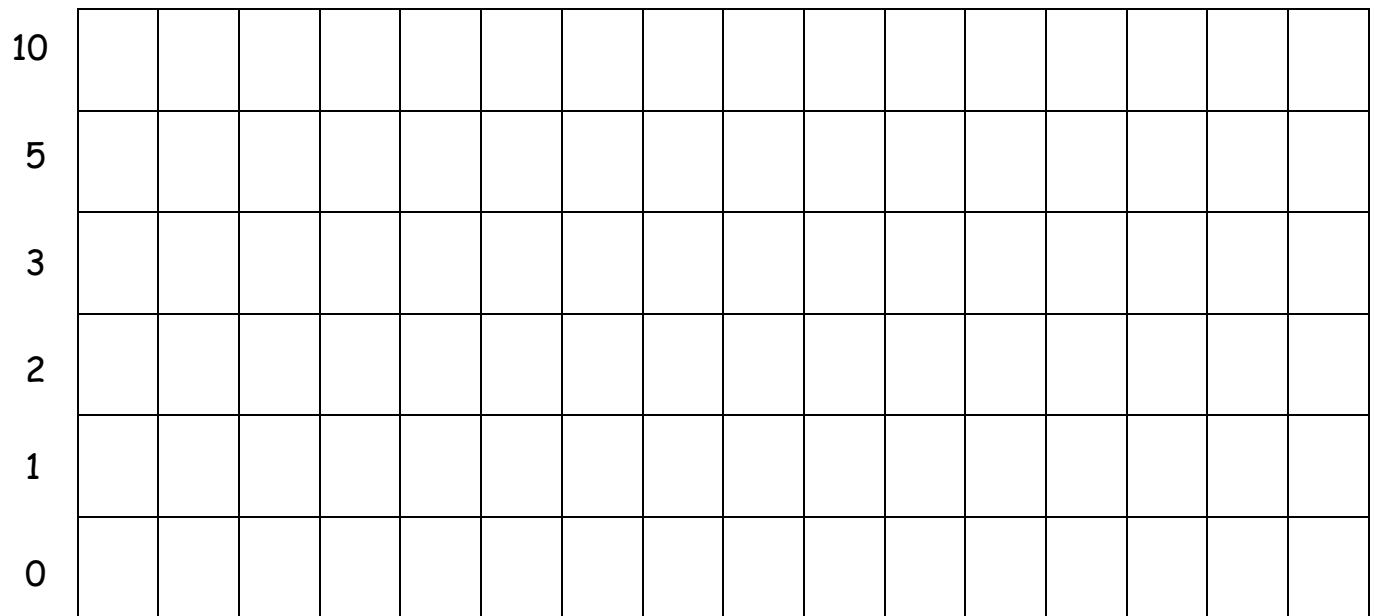
Exploding Canisters

Names _____

Experiment Number	Number of Pennies	Estimated Distance	Actual Distance
1			
2			
3			
4			
5			

Please graph your results

Pennies



Distance 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

How did the mass (number of pennies) impact the distance traveled?