

Objective: Model the relationship between the total momentum of a system before a collision/explosion (p_i) and after a collision/explosion (p_f). Collision Carts lab found at <https://www.physicsclassroom.com/Physics-Interactives/Momentum-and-Collisions/Collision-Carts/Collision-Carts-Interactive> . Mix up the type of interactions and include at least one of each below in your conditions:

Inelastic Collision	One still one moving	Inelastic Collision	Both moving.
Elastic Collision	One still one moving	Elastic Collision	Both moving.
Explosion	Two similar mass pieces	Explosion	Two dissimilar mass pieces

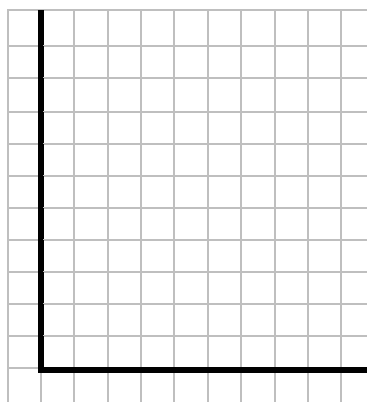
Diagrammatical Model

Experimental Design

Data Collection:

Graphical Model:

P_i (Ns)	P_f (Ns)



Mathematical Model:

Word: