

Conservation of Linear Momentum

Name: _____

Post-it _____ m
 Glider A _____ kg
 Glider B _____ kg
 Weights _____ kg

FileName: _____

TABLE II - Analysis

Trial #	Glider A (Mass in kg)	Glider B (Mass in kg)
1		
2		
3		
4	(fast)	(slow)
5		
6		
7		
8	(fast)	(slow)
9	(fast)	(slow)
10	(fast)	(slow)

VELOCITY BEFORE THE COLLISION		VELOCITY AFTER THE COLLISION		MOMENTUM BEFORE THE COLLISION		MOMENTUM AFTER THE COLLISION		Sum of Momenta	Sum of Momenta
Glider A	Glider B	Glider A	Glider B	Glider A	Glider B	Glider A	Glider B	Before	After
	0				0				
	0				0				
	0				0				
	(neg. vel.)				(neg. vel.)				
	0	0			0	0			
	0				0				
		(neg. vel.)				(neg. vel.)			
	0				0				
	(neg. vel.)	(neg. vel.)			(neg. vel.)	(neg. vel.)			
	(neg. vel.)				(neg. vel.)				
	(neg. vel.)				(neg. vel.)				