

Name: \_\_\_\_\_ Period: 7 Description: \_\_\_\_\_

### Sum of Momentums Before Collision

	mass1 kg	flag	time1 m	v1 m/s	p1 N*s	m2 kg	flag	t2 s	v2 m/s	p2 N*s	p1+p2 N*s
trial 1	0.749	0.05			0.502	0.05	0	0	0	0	
trial 2	0.995	0.05			0.502	0.05	0	0	0	0	
trial 3	1.245	0.05			0.502	0.05	0	0	0	0	

### Sum of Momentums After Collision

	m' kg	flag	t' m	v' m/s	p' N*s	ACTUAL AVG. p'S N*s	% ERROR
trial 1		0.05		0.132			
trial 2		0.05		0.173			
trial 3		0.05		0.118			

Conclusion:

**Description:**

## Sum of Momentums Before Collision

	p1 N*s	p2 N*s	p1+p2 N*s
trial 1	0	0	0
trial 2	0	0	0
trial 3	0	0	0

## Sum of Momentums After Collision

	mass1 kg	flag m	time1 s	vel' 1 m/s	p' 1 N*s	mass2 kg	flag m
trial 1	0.749	0.05	0.159			0.502	0.05
trial 2	0.995	0.05	0.188			0.502	0.05
trial 3	1.245	0.05	0.206			0.502	0.05

**Conclusion:**

ACTUAL	%
AVG P'	ERROR

**ACTUAL**

time2	vel' 2	p' 2	p'1+p'2
s	m/s	N*s	N*s
0.104			
0.094			
0.083			

**Description:**

## Sum of Momentums Before Collision

	m1 kg	flag m	t1 s	v'1 m/s	p' 1 N*s	m2 kg	flag m	t2 s	v'2 m/s	p' 2 N*s	p' 1+p' 2 N*s
trial 1		0.05		#DIV/0!	#DIV/0!		0.05		#DIV/0!	#DIV/0!	#DIV/0!
trial 2		0.05		#DIV/0!	#DIV/0!		0.05		#DIV/0!	#DIV/0!	#DIV/0!
trial 3		0.05		#DIV/0!	#DIV/0!		0.05		#DIV/0!	#DIV/0!	#DIV/0!

## Sum of Momentums After Collision

	m1 kg	flag m	t1 s	v'1 m/s	p' 1 kg*m/s	m2 kg	flag m	t2 s	v'2 m/s	p' 2 kg*m/s	p' 1+p' 2 kg*m/s
trial 1		0.05		#DIV/0!	#DIV/0!		0.05		#DIV/0!	#DIV/0!	#DIV/0!
trial 2		0.05		#DIV/0!	#DIV/0!		0.05		#DIV/0!	#DIV/0!	#DIV/0!
trial 3		0.05		#DIV/0!	#DIV/0!		0.05		#DIV/0!	#DIV/0!	#DIV/0!
	Avg. p	% error									
trial 1		#DIV/0!		#DIV/0!							
trial 2		#DIV/0!		#DIV/0!							
trial 3		#DIV/0!		#DIV/0!							