Name: LCY	Deter	5
Name:	Date:	Period:
Calcul	lating Momentum	
Using the formula, Momentum = mass x velocity, cal 1. A 0.01 kg bullet moving at a velocity of 32 m/s.	culate the momentum of e	ach of the following objects.
2. An 800 kg race car moving at a velocity of 50 m/s	j.	
40,000 kg • N 3. A 0.3 kg baseball moving at a velocity of 5m/s.	V 3	
4. A 400 kg speed boat traveling at 30 m/s.		
5. An 83 kg football player running with a velocity of	0.3 m/s.	
6. A 5 kg bowling ball rolling down the lane with a ve	elocity of 0.5 m/s.	
7. A steel ball whose mass is 0.1 kg is rolling at a rate	te of 2.8 m/s.	
8. Find the mass of a marble rolling at a velocity of 1	100 cm/s with a momentum	
9. Find the velocity of a projectile whose mass is 3 k	g and momentum is 1050	
Answer the following questions comparing the mome		15
10. Which has the greater momentum, a dump truck		t the same speed?
11. Which has the greater momentum, a car traveling	•	ar traveling at 5 m/s?
12. Car A collides with Car B which was stopped at a		hanges in momentum of the two cars
heavy car	- Smol	mentum
Fast co	M	