A Physics Interactive Quiz : Momentum

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	#	1	question	Answer	0	<score< th=""></score<>
			m/s is the velocity of a 250 gram bullet fired from a gun. Find the momentum for one bullet.			
#	1	100			0	
#	2	1	m/s is the velocity of100 kg Boris, running towards you. How many bullets (exactly) would it take to stop Boris?		0	
			is your mass, including the wheeled bed you are on. Calculate your velocity after stopping Boris.			
#	3	40			0	
#	4	20	m/s is the velocity of a car going north that crashes into an eastbound car of mass 3000 kg going 20 m/s. If the wrech moves off at 45°, find the mass of the first car		0	
			m/s is the velocity of a 500 gram baseball. Find the momentum			
#	5	20			0	
			If this ball hits your mit at 0.2 seconds, find the force.			
#	6	20			0	
			If the ball were initially hit by a bat in 0.001 second, find the force on the bat			
#	7	20			0	
			m/s is the velocity of your car as it hits a tree. Your 50 kg body is slowed to zero in 0.8 seconds by the seatbelts. Find the force.			
#	8	30			0	
			Find the force if you instead hit the windshield taking 0.02 seconds			
#	9	30			0	
			m/s is the velocity of a cart that hits an identical cart standing still. Find the final velocity of the carts if they stick together.			
#	10	5			0	

Extra Credit: Explain how two pool balls colliding, one moving off to the right, one to the left demonstrates conservation of momentum.