Physics Interactive Quiz : Name:

	#	1	question	Answer			0	<--score
#	1	1	m/ss is the acceleration of your fancart of mass 758 grams. Find the force from the fan		0.758	100	0	
#	2	100	grams is the mass of a weight attached to the cart, and slung over a pulley towards the ground against the fan. Find new acceleration of the cart.		2.59e-1	100	0	
#	3	100	two identical fancarts are then hooked together to a third identical cart with the fan on. Find the tension in the cord between the two non-running fancarts		2.53e-1	100	0	
#	4	100	find the tension in the cord between the running and non-running fancart		5.05e-1	100	0	
#	5	100	what is the acceleration of this system?		3.29e-1	100	0	
#	6	20	grams is the mass of a pea shot out of a straw at your lab partner. If the Vf for the pea is 12 m/s, find the force on the pea in the 20 cm straw.		7.2	100	0	
#	7	40	kg is the mass of a fish hauled aboard by Morgan and Bobby, each of whose cables make a 45° angle with the deck of the boat. Find the tension in Morgan's cable		277.14	100	0	
#	8	300	kg is the mass of a piano sliding down a road with slope 8°. If the piano is on a massless, frictionless dolly (wheels), find the acceleration of the piano		1.372	100	0	
#	9	300	if the road then gets so rough that the μ becomes 0.050 find the new acceleration of the piano		0.8281	100	0	
#	10	60	kg is the mass of a sign held by a 5 meter cable and a strut 4 meters away from a building. Find the force on the strut.		784	100	0	

Extra Credit: