Exploring Momentum & Impulse using video games Part 1 (momentum)

1 st Trial	Vehicle type:		Weight	convert to kg			
Initial Speed/velo	ocity convert to m/s	_ Final Speed/velocity	convert to	o m/s			
Time difference:	(the change in time to go from	n initial to final as seen	on game)				
Object interacting with above vehicle (this one must be stationary):							
How did the above occurrence cause the speed to change?							

2 nd Trial	Vehicle type:		Weight	convert to kg
Initial Speed/velo	ocity	convert to m/s	Final Speed/velocity	convert to m/s
Time difference:_	(the c	change in time to go from	initial to final as seen on game	

Object interacting with above vehicle (this one must be moving- replicate above information):

What do you notice about the change in speed/velocity of the above two trials?

1st Trial

from the game and the difference in momentum solve for the force acting on the car.

2nd Trial

the difference in momentum solve for the force acting on the car.

What does the above force represent on each car?

What would happen if the force increased or decreased?