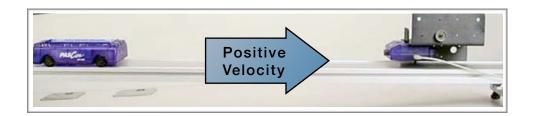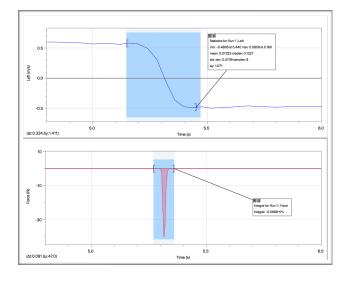## *Momentum and Impulse*

Name _____ Date _____

Positive Velocity

Complete the following table using Logger Pro.

The motion sensor provides the velocity throughout each collision. The change in velocity multiplied by the mass of the car provides the change in momentum for each trial.

Use the Force sensor and Bracket to measure the force. The area under the curve during the collision is the same as the Force multiplied by the time, and provides your value for impulse.

Trial	Description	mass	V_{init}	V_{final}	Δp	J
1						
2						
3						
4						
5						
6						