

Shooting Forces in Hockey

GRADES 6-8

Elaborate

What variables do you need to control?

Pass and Shot Type	Speed (measured by radar) m/s	Time of travel (From video) s	Acceleration (Calculated (SI-SF)/time) m/s ²	Mass kg	Force F=MA N (newtons)
Forehand Pass					
Forehand Shot					
Slap Shot/ One-timer					

Evaluate

How does a change in force affect a change in motion? Support your answer with evidence from the experiment.