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Momentum notes

What kinds of things do you think momentum depends on?

* Since momentum has to do with motion it depends on velocity
* moving inertia
* Acceleration changes momentum
* force changes momentum
* Ft = m (^v)
* Increasing momentum
  + apply as much force as possible
  + apply that force for as long a time as possible
* Decreasing Momentum
  + Case 2- long period of time Ha
  + Longer time means smaller force
* Jumping and landing
  + When you jump out of a tree off a garage, off the play ground with legs straight
  + Land with legs straight
* Case 3 - decrease momentum (over short time)
  + This is just like crashing into the brick wall as we have already discussed
  + shorter time means longer force
* If there are no extrenal forces present, then no change in momentum can occur
* TOT MOM AFT M,b \* Vb +Mr (-Vr\_