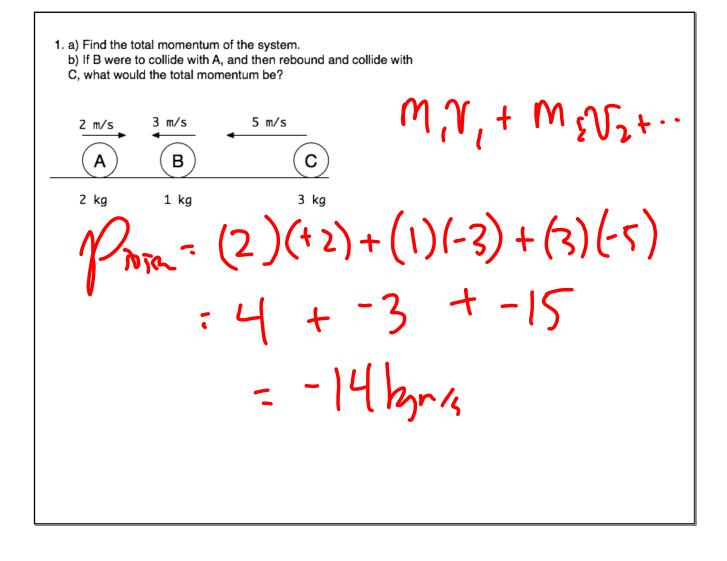
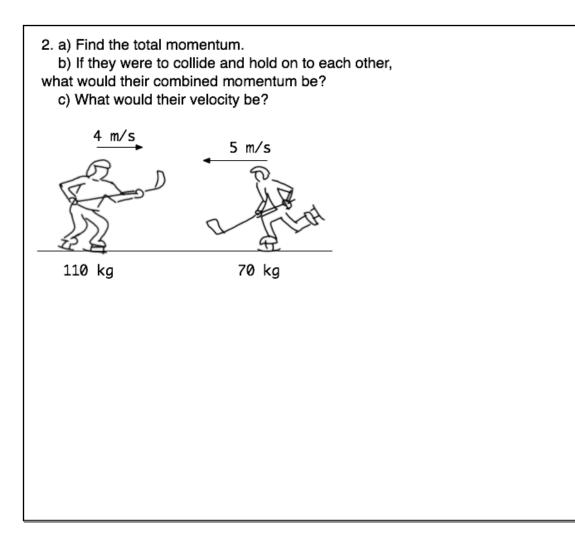
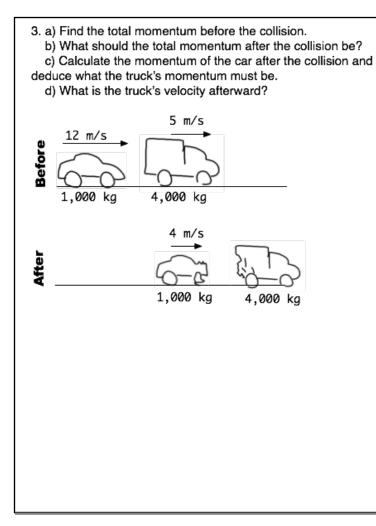


If there are no outside forces in a collision,

The total momentum before the collision must equal the total momentum afterward.

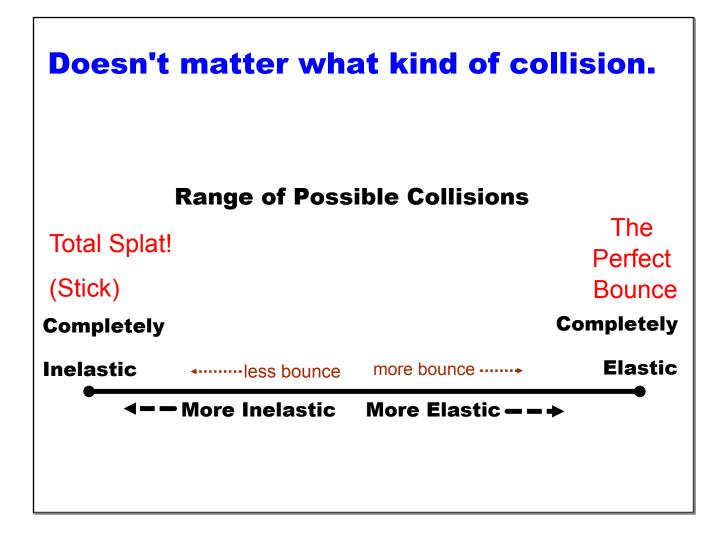






<text>





It doesn't have to be a collision, either. Any situation with no external forces works.

Momentum is conserved when things push apart, too (explosions).

