

Unit IX: Objectives

By the time we finish this unit and all related activities you should be able to:

1. Define momentum; distinguish between momentum and velocity.
2. Distinguish between elastic and inelastic collisions.
3. Use conservation principles to solve problems involving elastic and inelastic collisions for initial velocity, final velocity or mass, given the other values.
4. Define impulse; distinguish between impulse and force.
5. Determine the impulse acting on an object
 - a. given a F vs t graph
 - b. given the change in momentum.
6. Determine the force acting on an object, given its change in momentum.