

More Practice

① What would be the momentum of an object that has an acceleration of 2.3 m/s^2 and an initial speed of 2.3 m/s at its final velocity if it took 3 minutes to arrive at some constant velocity? The force at which caused the object to move was 3,000 Newtons.

Also, what would be the momentum at its initial velocity?

② Calculate my weight if I had a mass of 63 kg at a planet that had a gravitational acceleration of 12.3 m/s^2 .

③ If I had 2 objects that weighed 600 N and 250 N , respectively and were thrown off an airplane at the same time and maintained an acceleration of 9.8 m/s^2 , what would their masses be combined?