



Forces and Motion Practice Problems

Answer the following, show all work wherever possible
(Write the question, givens, formula, Plug & chug) & simplify all units

1. What is the force of an object with a mass of 20 kg and an acceleration of 5 m/s^2 ?
2. Calculate the acceleration of a 150 kg object that is moved with a force of 300N.
3. What is the mass of an object that is accelerating 60 m/s^2 when a force of 3000N is exerted?
4. After shot putter throws the shot, She is no longer accelerating it with a force. The shot now falls into the pit. What is the shot's acceleration as it falls to the pit?