Task #1

You pedal your 75-kg bike with a force of 423 Newtons. You accelerate at a rate of 1.8 m/s^2 . What is the force of friction? Ignore Air Resistance

Task #2

Before opening her parachute, a 57-kg skydiver experiences 457 N of air drag. What is the magnitude of her downward acceleration?



Task #3

A piano is lifted by a crane with a force of 12,500 N. It accelerates at a rate of 1.3 m/s^2 . What is the mass of the piano?