Problem Types for PART 1 -

Velocity [v = d/t]

Distance [d = s x t]

Time [t = d/s]

Acceleration [a = (Vf-Vi)/t]

Time of Acceleration [t = (Vf-Vi)/a]

Change in Velocity [(Vf-Vi) = a x t]

Force [F = m x a]

Acceleration of Force [a = F/m]

Mass of Force [m = F/a]

Weight [W = m x g]

Mass from Weight [m = W/g]

Momentum [p = m x v]

Momentum Mass [m = p/v]

Pushing Net Force

Pulling Net Force

Units –

Velocity or Speed = distance over time or m/s

Time = s (seconds), min, hours, days

Distance = m (meters), miles, km, cm

Acceleration = m/s2

Weight = N (newtons)

Force = N

Momentum = kgm/s