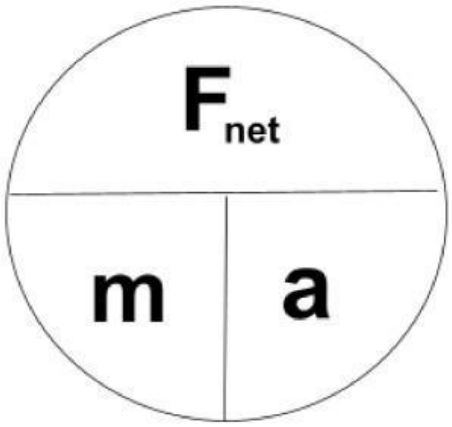
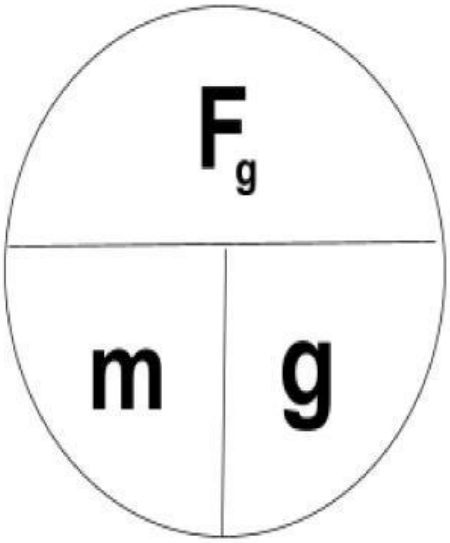


What is the correct equation for the net force in Newtons?

What is the correct equation for mass in kg?

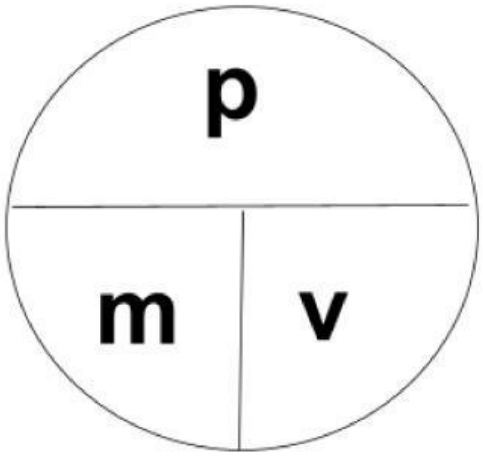
What is the correct equation for change in acceleration?



What is the gravitational acceleration constant (**g)** for an object in free fall on earth? (Check your notes)!

What is the equation for the mass of an object given the object's Weight in Newtons on earth?

What is the correct equation for the weight of an object on earth given its mass in kg?

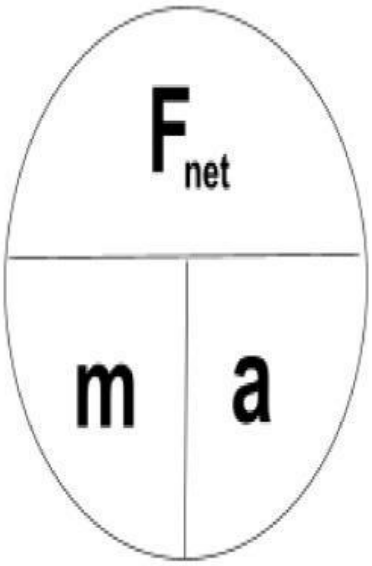


What is the correct equation for momentum?

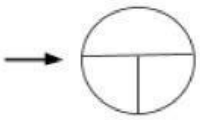
What is the correct equation for mass?

What is the correct equation for velocity?

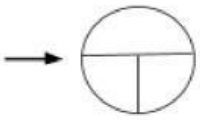
LIVEWORKSHEETS



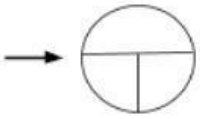
1. What would be the net force acting on a 50 kg object that has a rightward acceleration of 3 m/s^2?

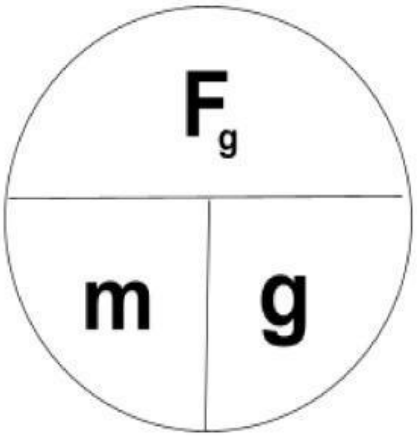


2. Assume a 15 Newton leftward force and a 5 Newton rightward force act on an object with a mass of 2 kg. What is the acceleration for this object?

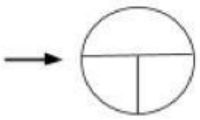


3. A 40 Newton applied force causes a block to accelerate by $2m/s^2$ across a frictionless surface? What is the mass of this object in kg?

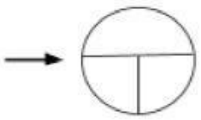


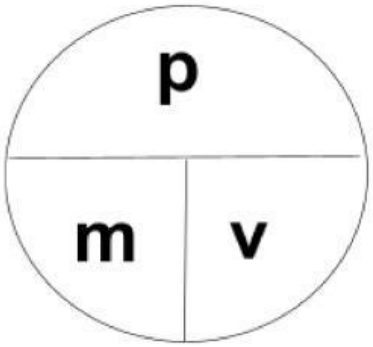


4. What is the weight of a 100 kg man on earth?

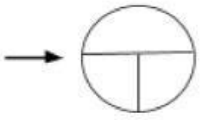


5. The gravitational acceleration constant for an object on the moon is given by g=1.62 m/s^2. If a man on the moon has a weight of 162 Newtons, what is the mass of the man in kg?





6. A car has a momentum of 60,000 kg*miles/hr to the right. If the car has a mass of 1500 kg, what was the car's velocity?



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