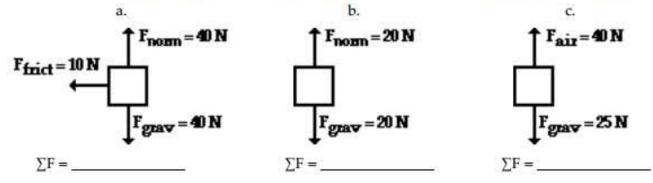
Practice Newton's Laws

If a moose were chasing you through the woods, its enormous if you zigzagged, then its great mass would be to your advar		
	us mass would be very threatening. Entage. Explain why.	3ut
Inertia can best be described as a. the force which keeps moving objects moving an stationar b. the willingness of an object to eventually lose its motion c. the force which causes all objects to stop d. the tendency of any object to resist change and keep doing	**************************************	
Mass and velocity values for a variety of objects are listed be greatest inertia. ▼=2m/s ▼=0m/s ▼=4m		to
m=10 kg m=20 kg m=5 Object A Object B Object		
Renatta Oyle is having car troubles. She is notorious for the tr streets of Glenview. Observe the following oil traces and indi	cate whether Renatta's car is being	S
acted upon by an unbalanced force. Give a reason for your an	70194070 ACC. 3	
acted upon by an unbalanced force. Give a reason for your an	Unbalanced Force?	?
	70194070 ACC. 3	?
	Unbalanced Force?	?
a	Yes or No	?

 A free-body diagrams show all the individual forces acting upon an object. The net force is the vector sum of all these forces (∑F). Determine the net force and state if there is an acceleration.



Accel'n? Yes or No

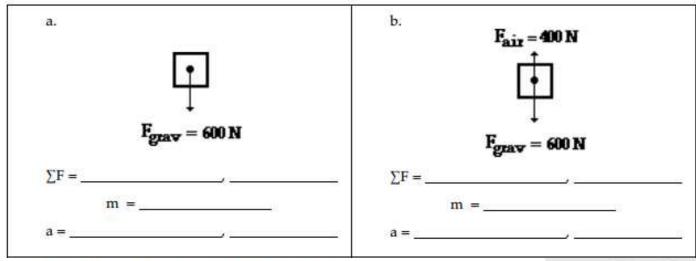
Accel'n? Yes or No

Accel'n? Yes or No

Complete the following table showing the relationship between mass and weight.

Object	Mass	Approx. Weight
Melon	1 kg	
Apple		~1.0 N
Pat Eatladee	25 kg	

 For each force diagram, determine the net or resultant force (∑F), the mass and the acceleration of the object. Identify the direction (the second blank) of the two vector quantities. NOTE: Fgrav stands for the weight of the object.



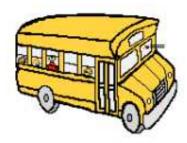
For each stated action force, identify the reaction force.



Bat hits ball.



Man pushes car.



Bus hits bug.