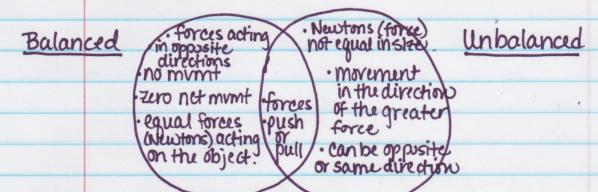
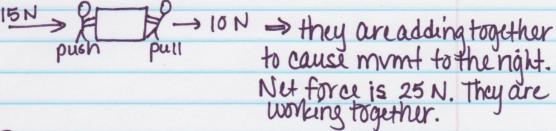


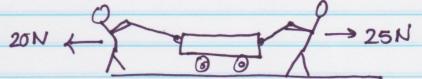
M. Create a Venn Diagram comparing & contrasting Balanced & Unbalanced Forces.



N. Describe horo the unbalanced forces are actine. What happens to the net force? Which direction does the object move?



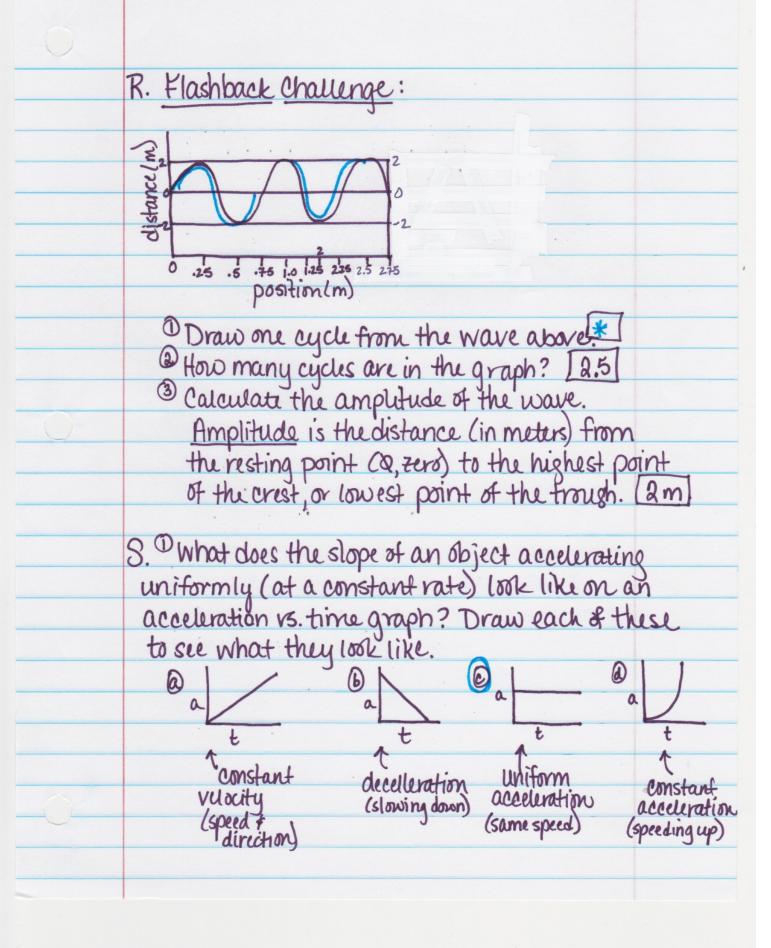
Describe how the unbalanced forces are acting. What happens to the net force? Which direction does the doject move?



The forces are working in opposition, so the mount will be towards the net force. You subtract when opposite/opposition forces. Net force is 5N to the right.

- O. Explain motion in your own words. Motion is a change in position of an object over time.
 - Look up "reference point." Define. A reference point is used to see if something has moved. Ex: Stop sign, tree, line in the road; it must be Stationary (not moving)
 - Mhat causes an object to move? A force!
 All motion is due to forces acting on objects.
 - *What is a force? A push or a pull on an object.
 - What is net force? The total combination of forces acting on an object. More than one force may act on an object at the same time.
 - What would happen if an unbalanced force acted on an object that's already moving (in motion?) It will change the speed or direction of the object. Ex: "Your little brother is riding his tricycle. You run up behind him and give him a push. Your force adds to the existing force causing him to speed up. "If you were to grab his handle bars and slow him down, then the unbalanced force would be taken away causing him to slow oboun.

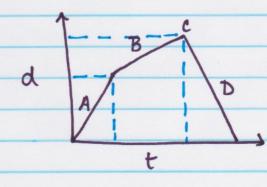
	P. Write down the best answers:
	22222 32222
	1000 N 1000 N
	The forces shown are pulling forces. The forces shown are opposite forces.
	The forces shown are opposite forces.
	The torces are equal (both 1880 N's).
	The forces do balance each other.
	The resultant force (net force) is zero.
	There is no motion.
	Q. Write down the best answers:
	200 N 100 N
	200 N 100 N
	The forces shown are pulling forces. The forces are opposite.
	The torces are opposite.
	The forces are not equal.
	The stronger force is outline to the.
	The forces are not equal. The forces are not equal. The forces do not balance each other. The stronger force is pulling to the left. The weaker force is pulling to the right. The motion is to the left.
	1 major is to the left
	Thomas to the term.



"S" Continued:

What is the meaning of the slope on a distance vs time graph? Slope represents the rate of Δ (change) of the graph. Higher/steeper the Slope, facter the speed & distance. lower/tess steep Slope, slower the speed of distance covered. C. Speed

T. Tom went for a jog. At the end of his road he bumped into a friend, and his pace slowed. When Tom left his friend, he walked quickly back home.



A. moving @ constant speed (fast speed)

B. moving a slower speed

C. Farthest distance he travels

D. Returning to the start.

ast, steady speed getting faster, accelerating. stationary, no mumt returning to the Start-

• The steeper the slope (+,-), the faster the motion. (at rest)
• A horizontal line means the object isn't changing position,
• A downward (-) sloping line means the object is returning
to the start.

- Steady. • The steeper the slope (+), the greater the acceleration.
• Horizontal line means the object is moving at a constant speed. · Downward (-) slope means the object is slowing down.