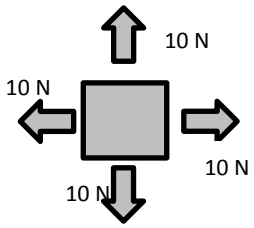
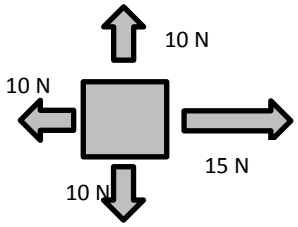
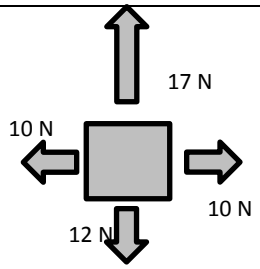
Name _____Date _____per_____

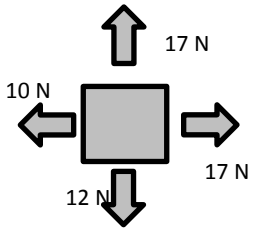
PRACTICE SHEET: Balanced / Unbalanced Forces

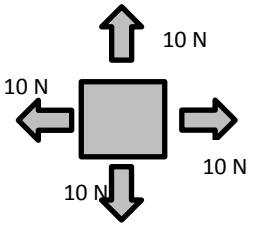
DIRECTIONS: Draw the NET FORCE ARROWS next to the drawings if the net force is greater than zero. Answer the questions

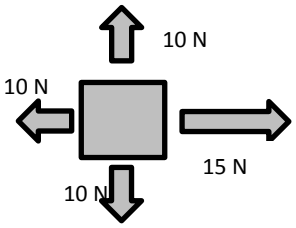
OBJECT IS AT REST ORIGINALLY	
1. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion?

OBJECT IS AT REST ORIGINALLY	
2. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion?

OBJECT IS AT REST ORIGINALLY	
3. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion?

OBJECT IS AT REST ORIGINALLY	
4. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion? What do you think the overall motion of this object would be like? (What would its path be?)

OBJECT IS ALREADY MOVING at a constant speed TO THE RIGHT BEFORE THESE FORCES ARE APPLIED	
5. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion?

OBJECT IS ALREADY MOVING at a constant speed TO THE RIGHT BEFORE THESE FORCES ARE APPLIED	
6. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion?

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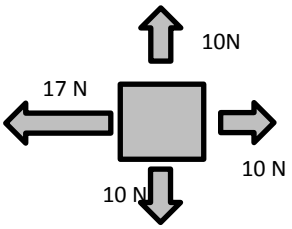
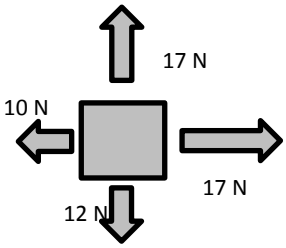
7. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion?

OBJECT IS ALREADY MOVING at a constant speed TO THE RIGHT BEFORE THESE FORCES ARE APPLIED	
8. 	NET HORIZONTAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects horizontal motion? NET VERTICAL FORCE = Balanced / Unbalanced (circle one) What, if anything, does this do to the objects vertical motion?

KEY FOR BALANCED/UNBALNCED FORCES PRACTICE SHEET

Name _____ Date _____ per _____ # _____

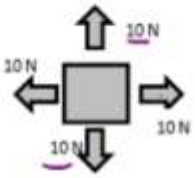
PRACTICE SHEET: Balanced / Unbalanced Forces

DIRECTIONS: Draw the NET FORCE ARROWS next to the drawings if the net force is greater than zero. Answer the questions

TOTAL ↔ horizontal ↕

OBJECT IS AT REST ORIGINALLY

1.

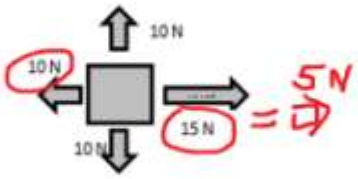


NET HORIZONTAL FORCE = 0 N
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Cont. to stay Still

NET VERTICAL FORCE = 0 N
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Cont. to stay still

OBJECT IS AT REST ORIGINALLY

2.



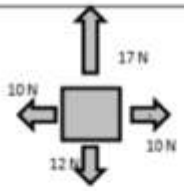
NET HORIZONTAL FORCE = 5N →
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Accel to Right

NET VERTICAL FORCE = 0 N
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Stay Still

[redacted]

OBJECT IS AT REST ORIGINALLY

3.

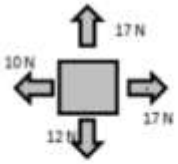


NET HORIZONTAL FORCE = 0 N
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Cont. NOT TO MOVE

NET VERTICAL FORCE = 5N ↑
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Accel. UP

OBJECT IS AT REST ORIGINALLY

4.



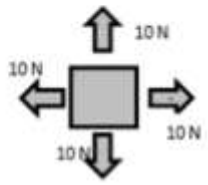
NET HORIZONTAL FORCE = 7 N →
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Accel. Right

NET VERTICAL FORCE = 5 N ↑
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Accel. UP

What do you think the overall motion of this object would be like? (What would its path be?)

OBJECT IS ALREADY MOVING at a constant speed TO THE RIGHT BEFORE THESE FORCES ARE APPLIED

5.

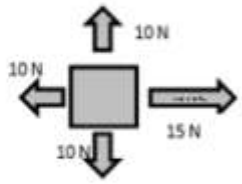


NET HORIZONTAL FORCE = 0 N
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Cont. moving to Right

NET VERTICAL FORCE = 0 N
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Does Not move up or Down

OBJECT IS ALREADY MOVING at a constant speed TO THE RIGHT BEFORE THESE FORCES ARE APPLIED

6.

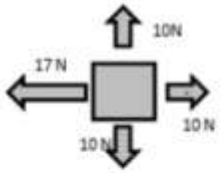


NET HORIZONTAL FORCE = 5N →
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Accel. to right

NET VERTICAL FORCE = 0 N
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Cont. not to move up or Down

OBJECT IS ALREADY MOVING at a constant speed TO THE RIGHT BEFORE THESE FORCES ARE APPLIED

7.

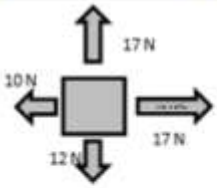


NET HORIZONTAL FORCE = 7N →
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Slows Down.

NET VERTICAL FORCE =
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Cont. Not to move up or Down

OBJECT IS ALREADY MOVING at a constant speed TO THE RIGHT BEFORE THESE FORCES ARE APPLIED

8.



NET HORIZONTAL FORCE = 7 N →
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects horizontal motion?
Accel. to Right

NET VERTICAL FORCE = 5 N ↑
Balanced / Unbalanced (circle one)
What, if anything, does this do to the objects vertical motion?
Accel. up

motion