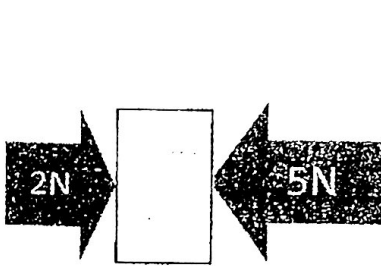


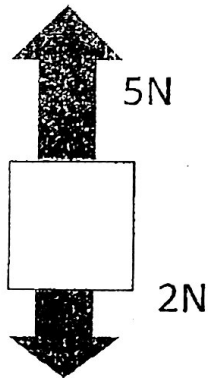
Name _____

Period _____

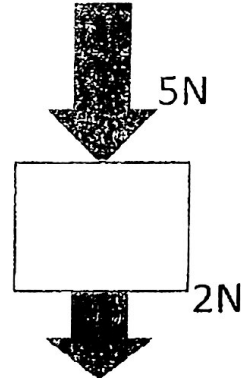
For each diagram, calculate the net force and state the overall effect of the force by predicting the direction in which the object will move.



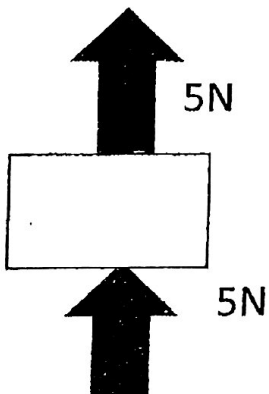
1. _____



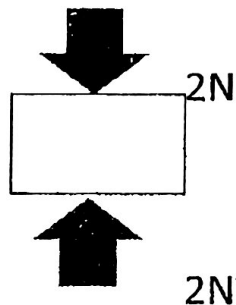
2. _____



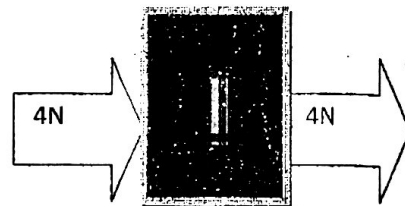
3. _____



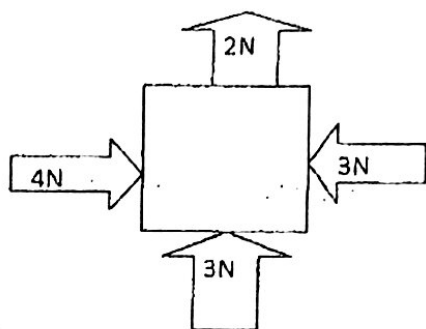
4. _____



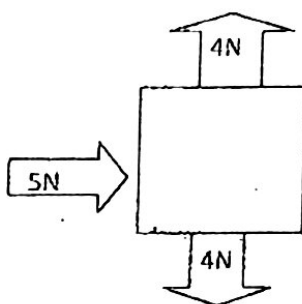
5. _____



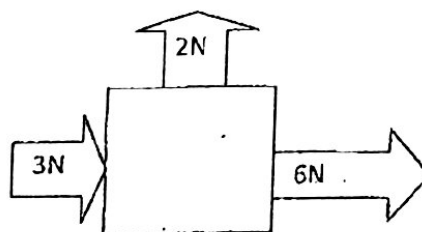
6. _____



7. _____



8. _____



9. _____

FORCES: BALANCED OR UNBALANCED?

Calculate the net force for each. Remember to add forces in the same direction & subtract forces in the opposite direction. Please include units.

	Force 1	Force 2	Net Force & Direction	Balanced or Unbalanced?
1	1 N east	1 N east		
2	10 N north	10 N south		
3	5 N left	4.3 N left		
4	36 N up	36 N down		
5	25 N right	25 N right		
6	46 N left	43 N right		
7	9.5 N down	9.5 N up		
8	23 N right	13 N right		
9	3.6 N left	2.5 N right		
10	14.5 N down	14.5 N up		