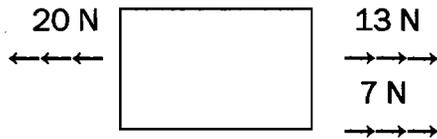




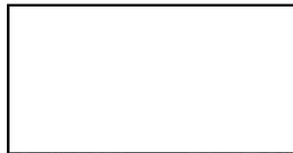
\_\_\_ 10.) Look at the figure below. Two students are pulling on the right side of a box and one student is pulling on the left. The diagram below shows the forces they exert (apply). Which way will the box move?



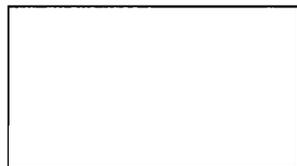
- a) left
- b) will not move
- c) down
- d) right

What is the resultant force (Show your math)? \_\_\_\_\_

11.) Using force arrows and any number of Newtons, show a **balanced** force below:  
(Hint: Think about the Tug-of-War activity) Show the resultant force and any math!



12.) Using force arrows and any number of Newtons, show an **unbalanced** force below:  
Show the resultant force and any math!



13.) The below figure is an object sitting on a table. Using force arrows and any number of Newtons, show the force acting on an object at rest. Please show your math to help explain.

