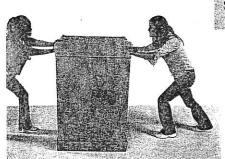
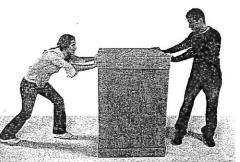
Figure 16 Forces can be balanced and unbalanced.



Net Force = 0

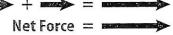
These students are pushing on the box with an equal force but in opposite directions. Because the forces are balanced, the box does not move.



Net Force =

These students are pushing on the box with unequal forces in opposite directions. The box will be moved in the direction of the larger force.





These students are pushing on the box in the same direction. The combined forces will cause the box to move.

## On a piece of blank paper:

Make 3 drawings like A, B, & C above, but think of your own example. Be creative!

Ideas include:

- Pool balls colliding
- Bowling
- Car crash

