



Name _____ Group _____ Center _____

Drawing and Labeling Action Reaction Force Pairs

In the example below the action force is described and the arrow (vector) is drawn. The reaction force has been completed also. In the remaining pictures the action force is described and drawn. You are to describe the reaction force and draw the reaction arrow (arrows go tail to tail or head to head). Then draw your own action-reaction situation, describe the forces and draw the arrows. Finally, figure out the forces at each of the contact points in the final drawing.

Example:

Reaction: Force of wall on fist

Action: Force of fist on wall

Action: Force of head on ball

Action: Force of car on bug

Action: Force of bat on ball

Action: Force of hand on flower

Action: Force of hand on bar

Action: Force of finger on nose

Draw your own example in the space below (labelling action and reaction forces):

The action and reaction forces in any situation will always be _____ and _____.

Why don't action and reaction forces cancel out?