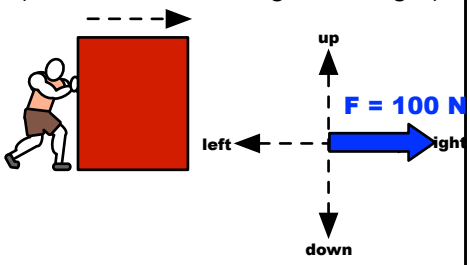
Net Force 3a
Force & Motion

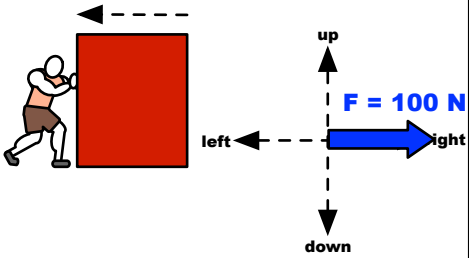
Name: _____

For each situation, determine whether the object will speed up, slow down or remain at constant speed.

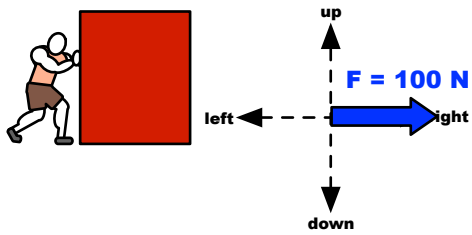
(the box was moving to the right)



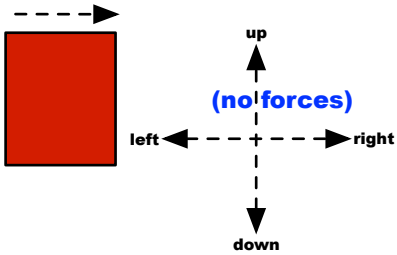
(the box was moving to the left)



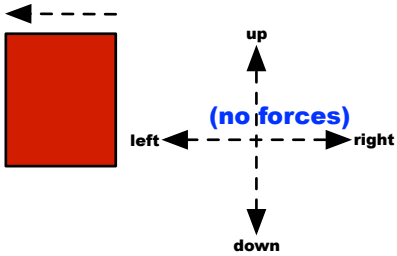
(the box was at rest.)



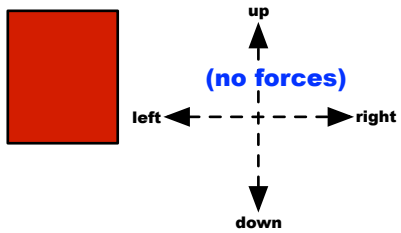
(the box was moving to the right)



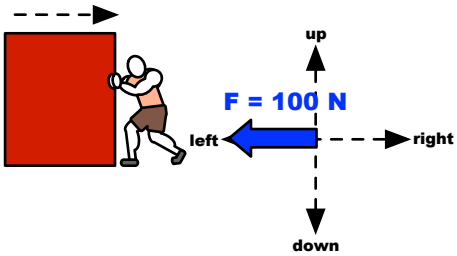
(the box was moving to the left)



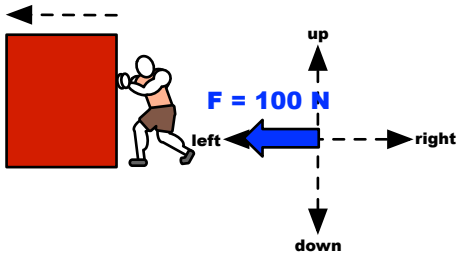
(the box was at rest.)



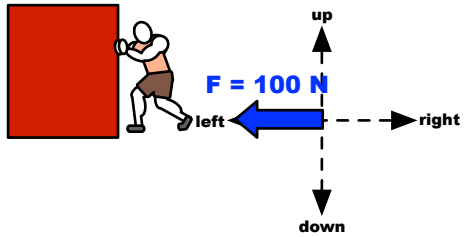
(the box was moving to the right)



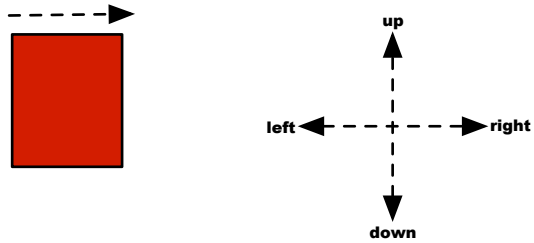
(the box was moving to the left)



(the box was at rest.)

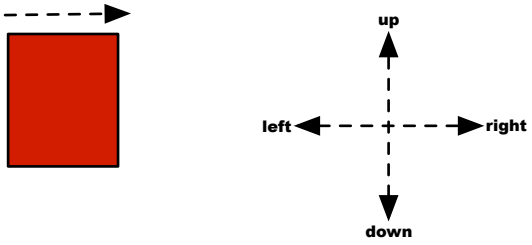


(the box was moving to the right)



It's slowing down - draw an arrow for the force, and a person pushing.

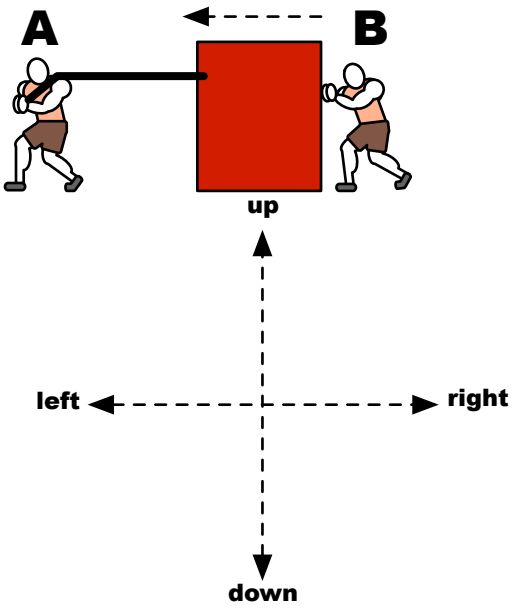
(the box was moving to the right)



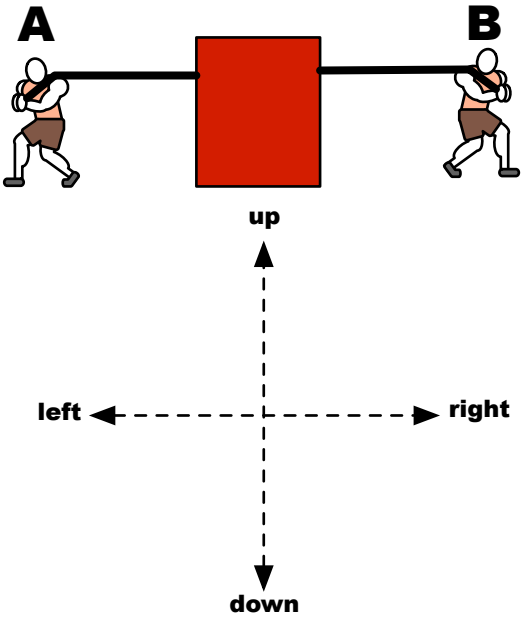
It's speeding up - draw an arrow for the force, and a person pushing.

For each situation, draw and label the force arrows on the diagram.
Determine the Net Force.
Say whether the box is speeding up, slowing down, or remaining constant.

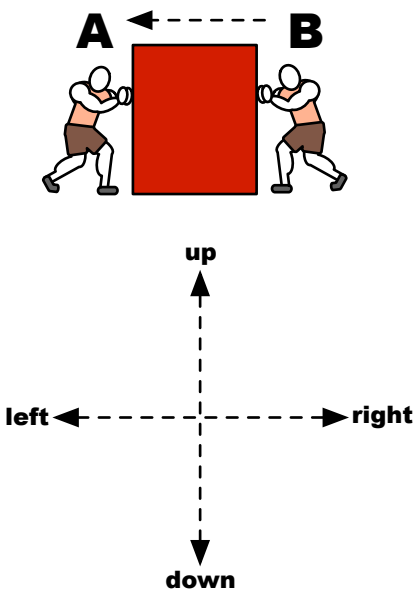
A pulls with a force of 400 N
B pushes with a force of 300 N
(The box was moving to the left.)



A pulls with a force of 300 N
B pulls with a force of 200 N
(The box was at rest.)



A pushes with a force of 200 N
B pushes with a force of 500 N
(The box was moving to the left.)



A pushes with a force of 500 N
B pushes with a force of 500 N
(The box was at rest.)