

3rd Law = For every action there is an equal and opposite reaction

Ex. A swimmers hand pushes on the water, the water pushes on the hand

Walking...

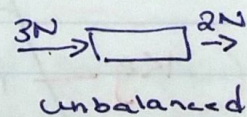
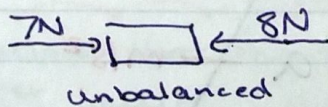
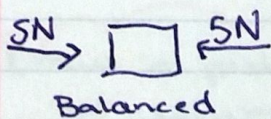
- which way are you pushing?
- which way is the floor pushing you?

Action force = initial force, happens first

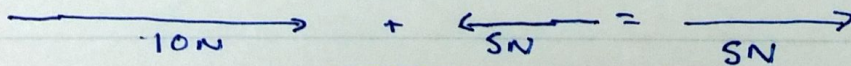
Reaction force = created second, friction is a reaction

Balanced force = when all outside forces are equal, no movement

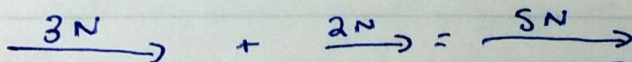
Net force = combination of all the forces acting on an object



Net force...



Opposite = cancels



same = add together