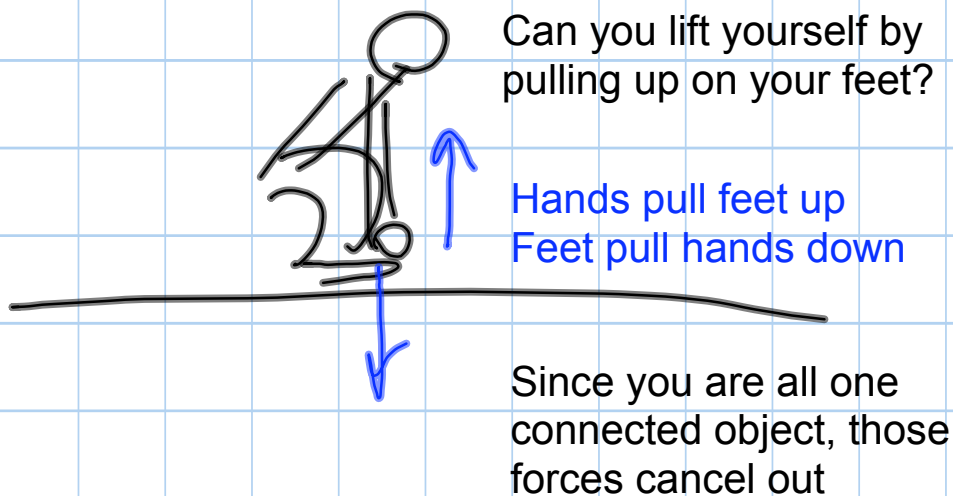


FORCE PAIRS... CANCELING?



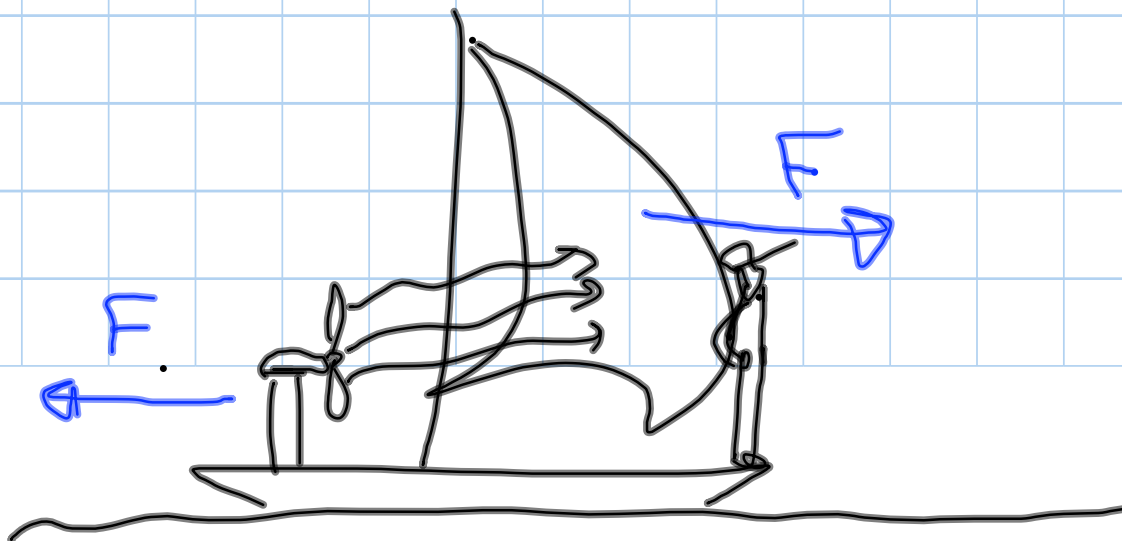
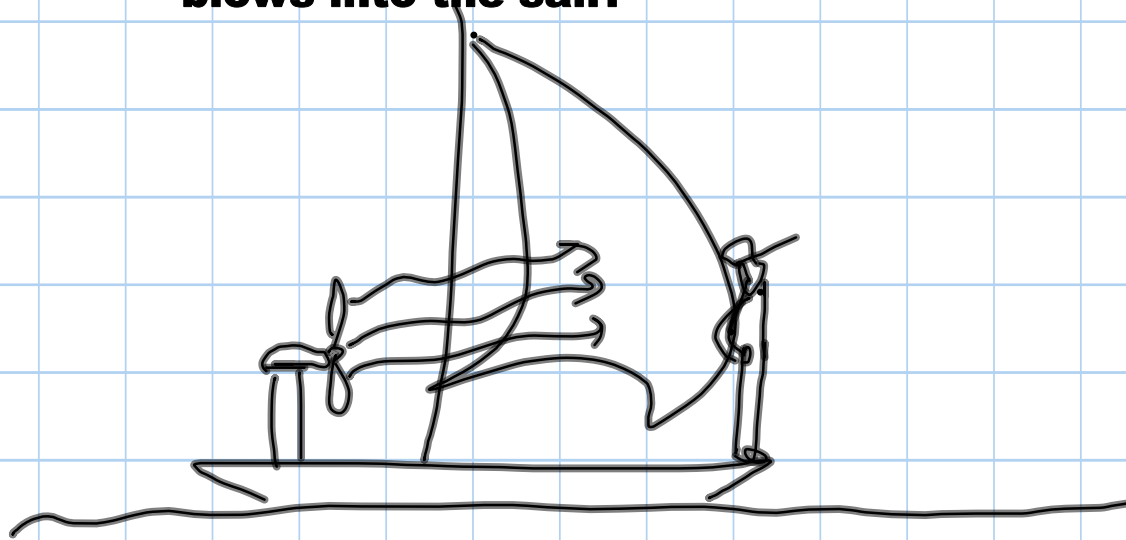
You can't change your motion by pushing off of or pulling on something you're attached to

You need an external force

FIRST LAW OF MOTION (ALTERNATE VERSION)

If there are no external forces, an object maintains speed and direction.

Can you propel a sailboat by placing a fan on deck so that it blows into the sail?



When pushing the air forward, the fan gets a push back. This cancels out the force of the air hitting the sail.