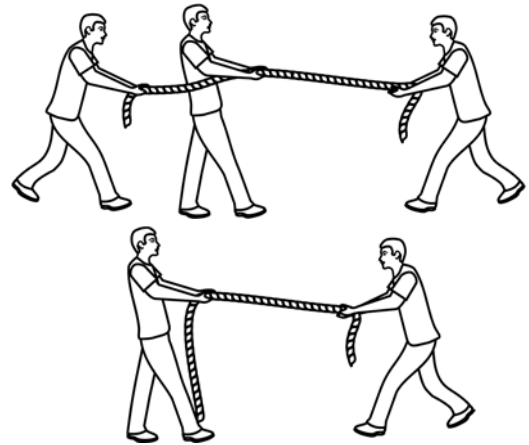


Balanced VS Unbalanced Forces

A balanced force can not cause change in motion. An unbalanced force can. (If you push against a brick wall, will it move? If you push against a chair, will it move?)



What You Need:

A sturdy rope and participants.

What To Do:

Predict what will happen if you have 3 participants on one side and only 1 on the other when doing a tug of war. Why?

Play tug of war with 2 participants on one side and 3 on the other. Then play with 2 participants on each side with similar strengths. Can you create a balanced tug of war where very little motion happens? How?

(You can also try this with an arm wrestle.)

Record and report your findings.