

Alavi

21st Century Schools

PUSH

A man in a light blue shirt and dark pants is pushing a large green box from the left side. He is leaning forward with his hands on the front edge of the box.

PULL

A man in a light blue shirt and dark pants is pulling a large green box from the right side. He is leaning back, pulling a blue rope that is attached to the right side of the box.

A large red speech bubble graphic with a tail pointing to the right, containing the text "Session 39".

Session 39

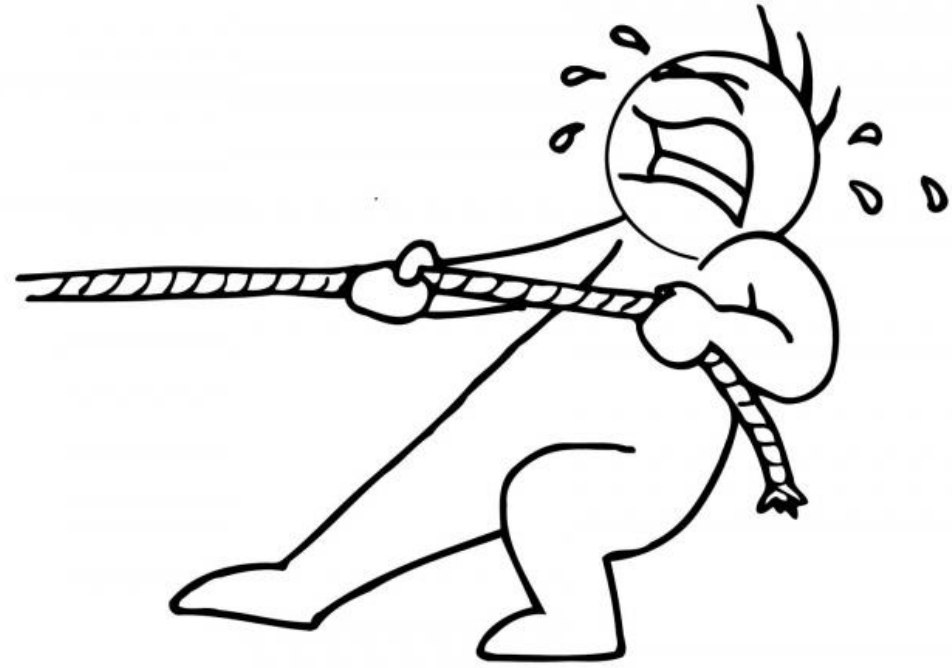
Lead-in: throwing some objects up

- Both light and heavy things
- Asking (Why do they all fall on the floor?)





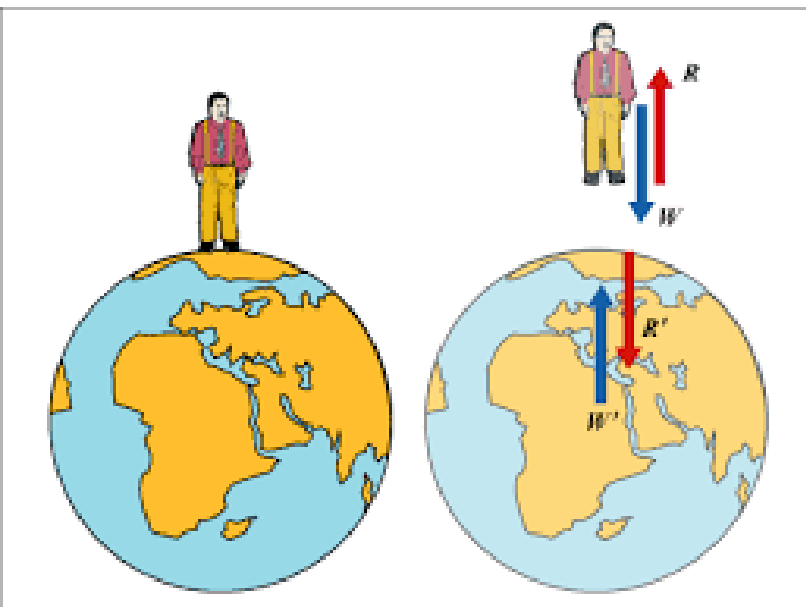
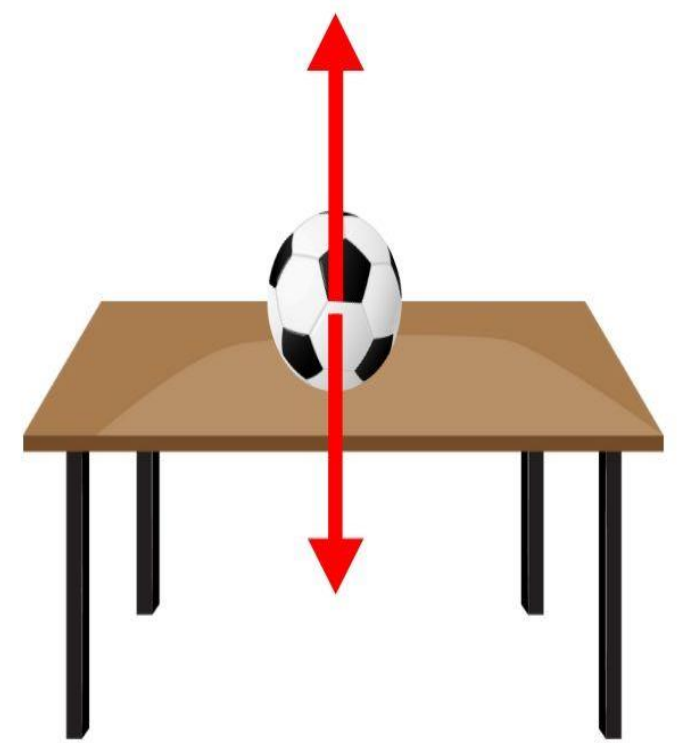
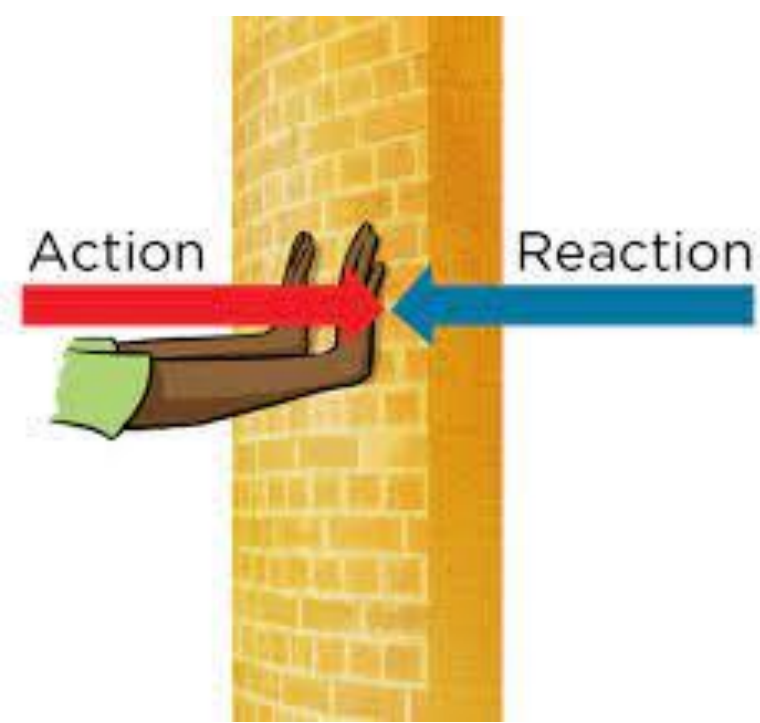
push



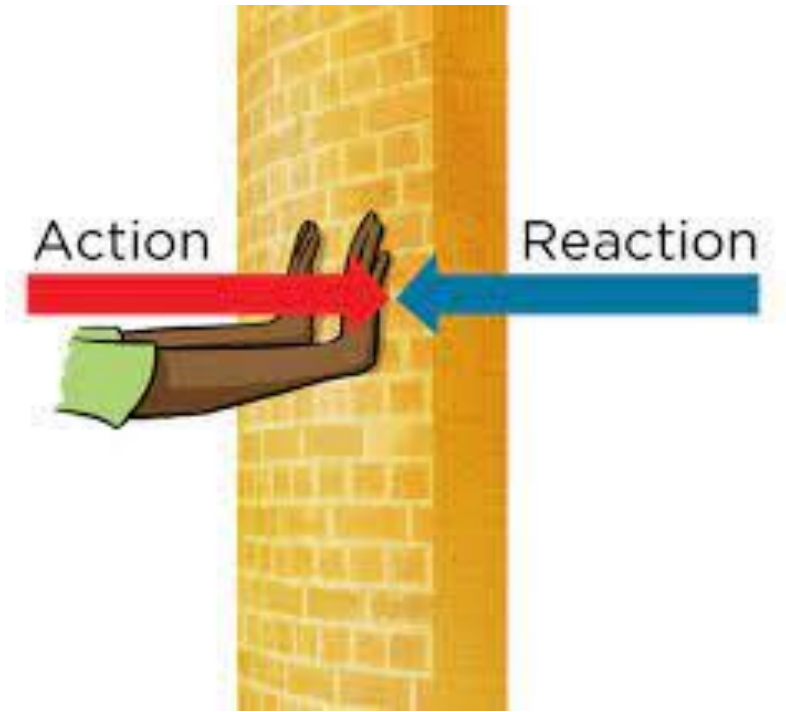
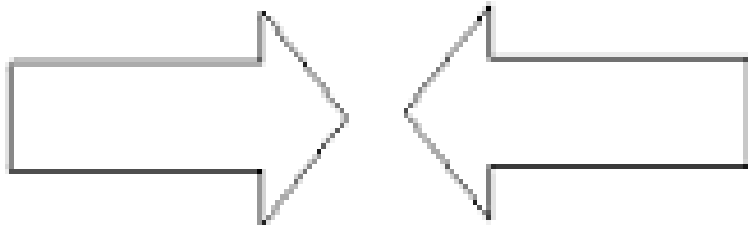
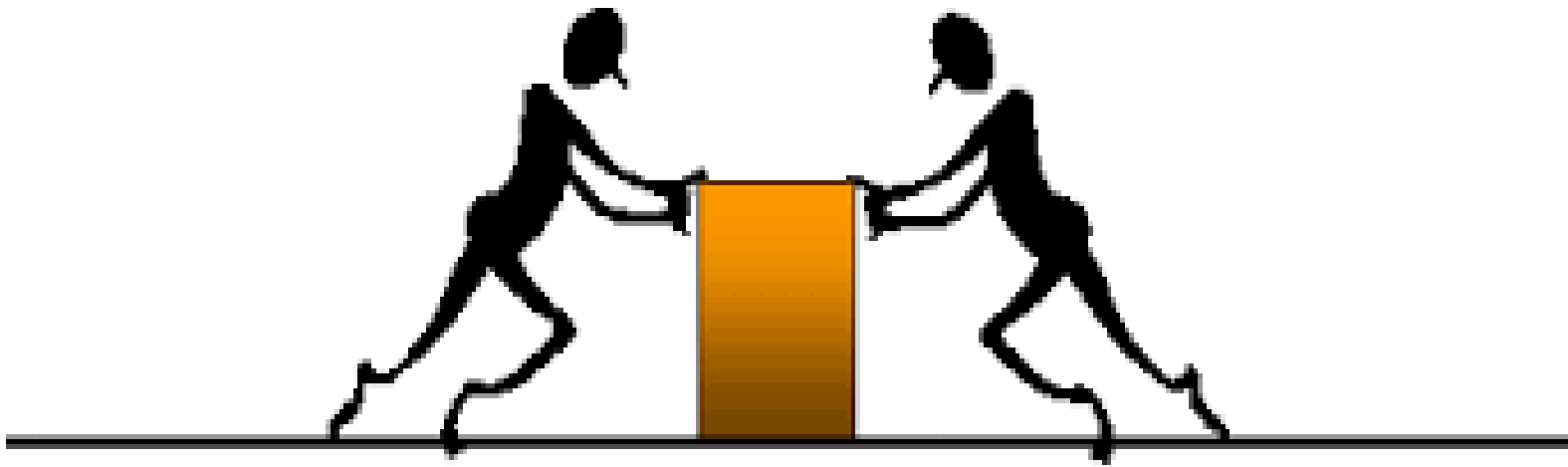
pull



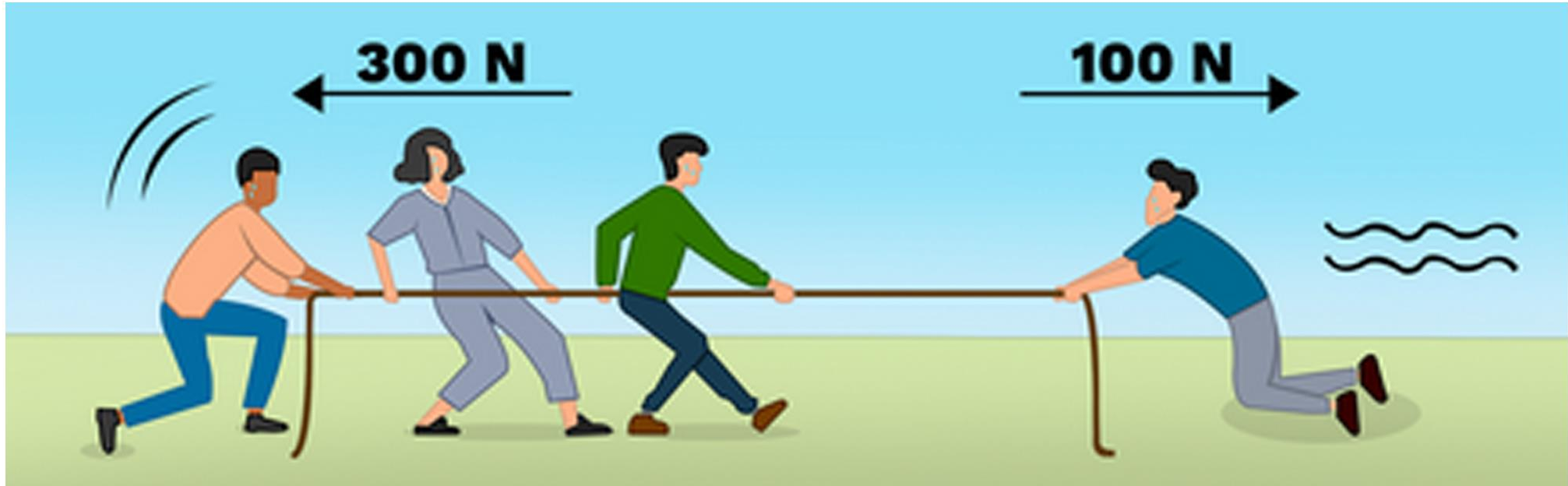
downwards



Forces always act in **pairs** (2) of **opposite** directions.



When forces are the same size, they are **balanced**. And the object **doesn't** move.



If one force is bigger, they are **unbalanced**.
The object moves towards the bigger force..

Balanced



A



G



B



H



C

Unbalanced



I



D



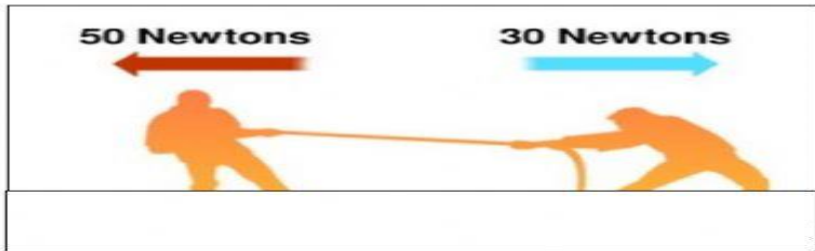
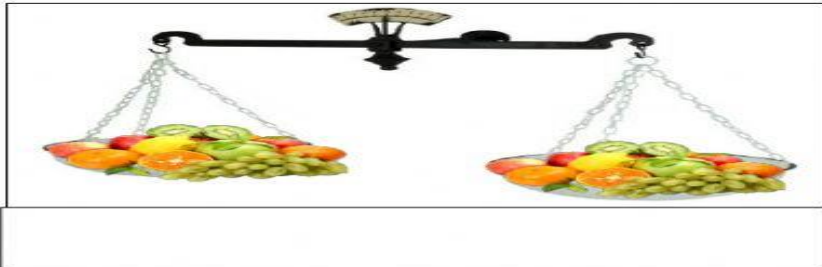
F



E



J



Are they
balanced or
unbalanced?



Show the forces.

