$$\frac{1}{+} = \frac{\text{motion}}{+} = \frac{\text{motion}}{\text{balanced}}$$

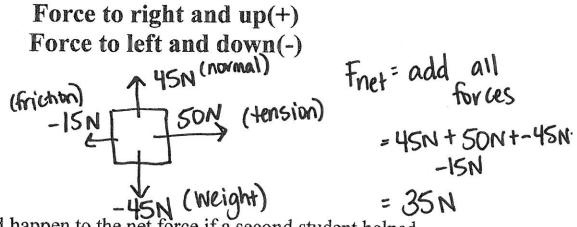
Types of Forces

Tension Force = Pulling force

- Friction Force = force Opposite way object is moving)
- Weight = the force of <u>aravity</u>acting on an object/person
- Normal = force <u>Opposik</u> the weight

Drawing Force Diagrams

■ Joe is trying to move a box of weight equipment 20m across the gym floor. The weight of the box is 45N. Joe pulls with a force of 50N. The friction force between the box and floor is 15N. What is the net force on the box?



What would happen to the net force if a second student helped Joe and pulled the box with a force of 30N?