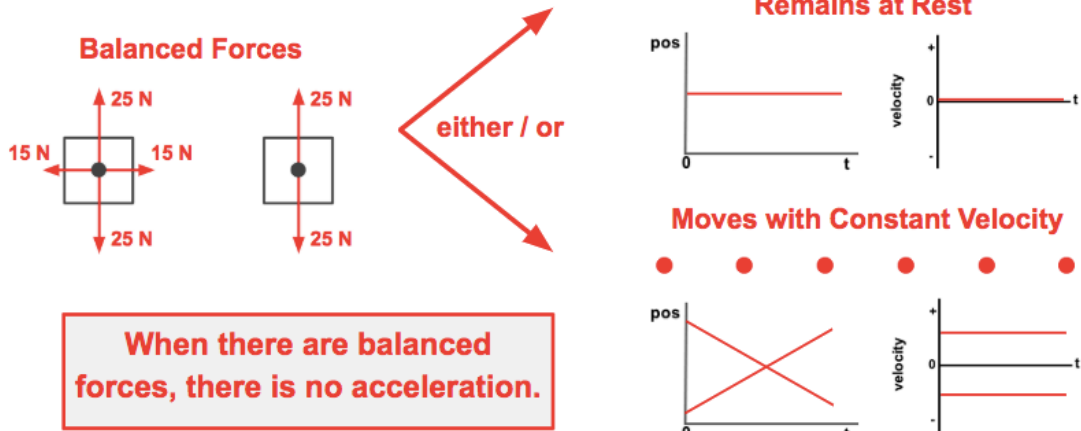


What Do Forces Do? Lesson Notes

Balanced Forces

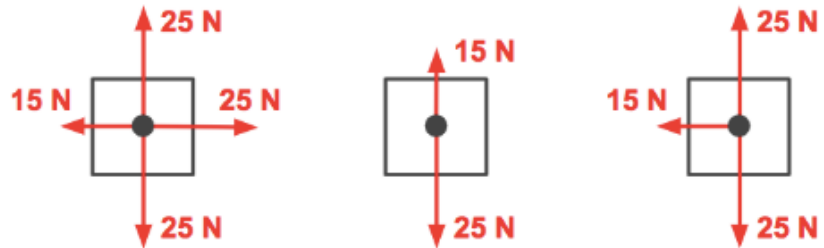
Learn to associate these representation with each other.



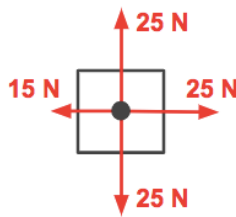
Unbalanced Forces

Unbalanced forces cause objects to accelerate - speed up, slow down, or change direction.

The unbalanced force can be directed rightward or directed leftward.



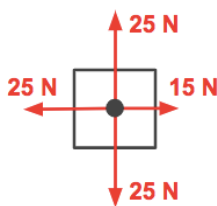
Rightward Unbalanced Force ==> Rightward Acceleration



Two Options:

- Moves to the right and speeds up
- Moves to the left and slows down.

Leftward Unbalanced Force ==> Leftward Acceleration

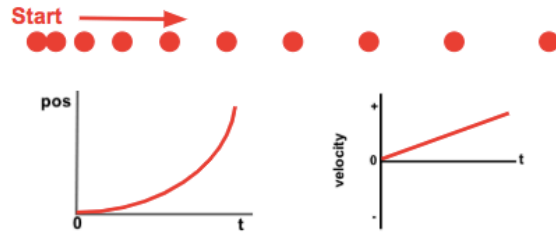
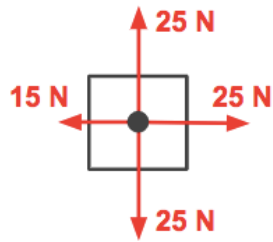


Two Options:

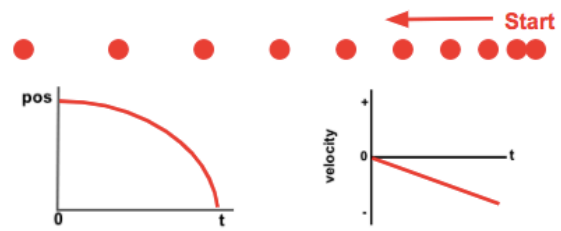
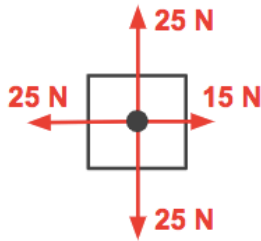
- Moves to the left and speeds up
- Moves to the right and slows down.

Representing Speeding Up Motions

Moves right.
Accelerates right.

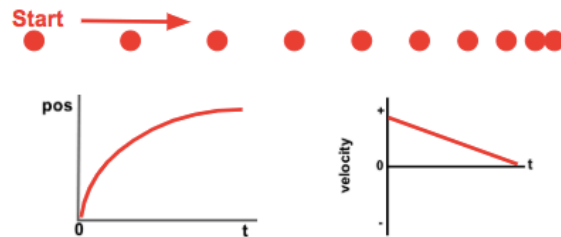
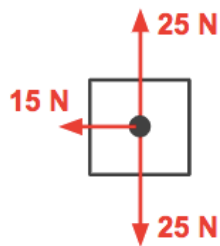


Moves left.
Accelerates left.



Representing Slowing Down Motions

Moves right.
Accelerates left.



Moves left.
Accelerates right.

