

position: distance from a known object,  
↳ direction

distance: total length traveled

displacement: distance + dir from pt A → B (start. line)

Vector: Quantity that has both amount + direction (position, forces)

Scalar: Quantity which has amount only (distance, time, mass)

Keep questions in mind:

- What do + and - represent?
- distance: scalar
- displacement: vector or scalar?

→ Direction

+ move right  
- move left

-1m → 1m  
displ = 2m

1m - 1m  
 $X_f - X_i = d_i$