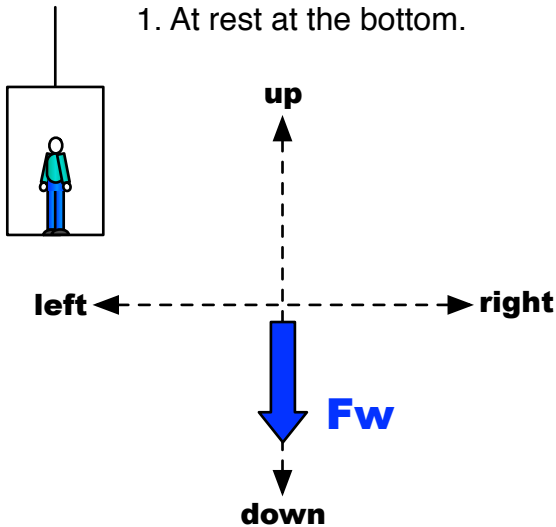


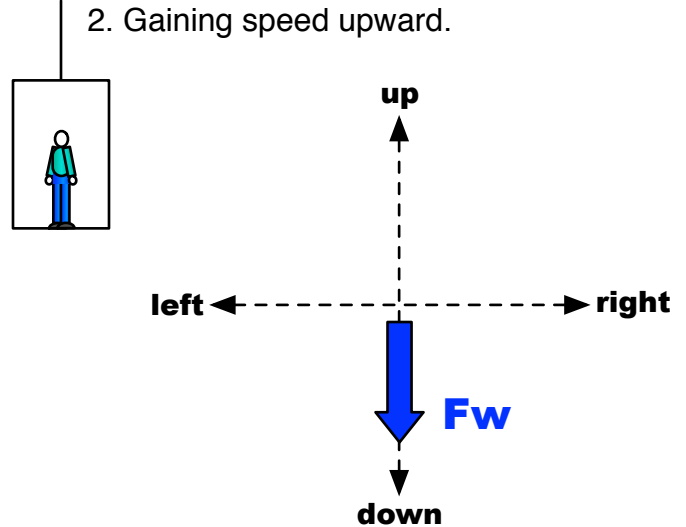
In each case, Draw an arrow for the Surface (Normal) Force from the floor.

Make the arrow **BIGGER** than, **SMALLER** than or the **SAME** size as the weight, depending on the situation.

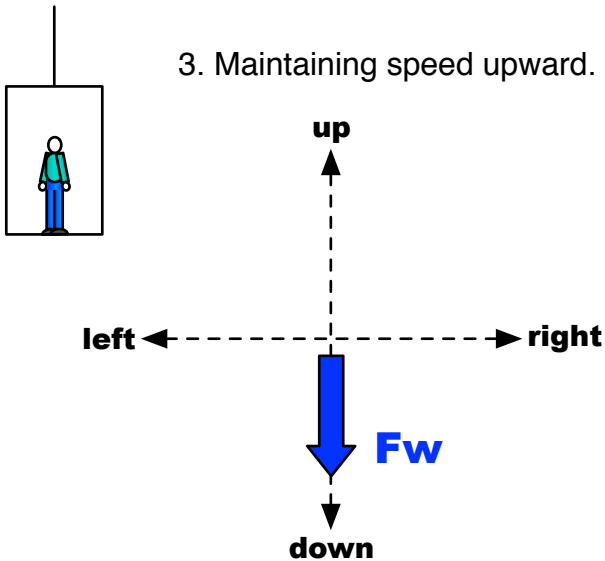
1. At rest at the bottom.



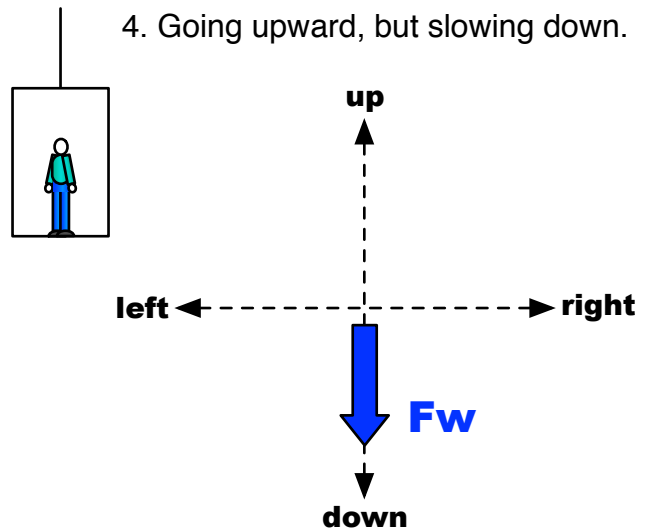
2. Gaining speed upward.



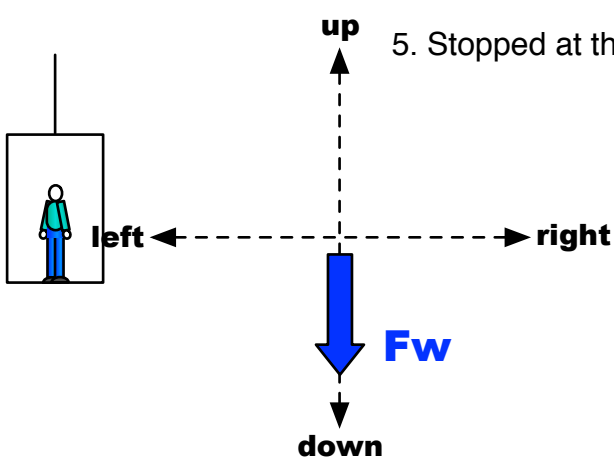
3. Maintaining speed upward.



4. Going upward, but slowing down.

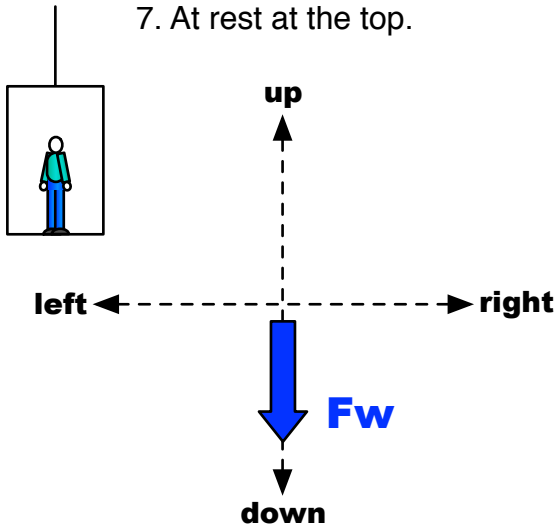


5. Stopped at the top.

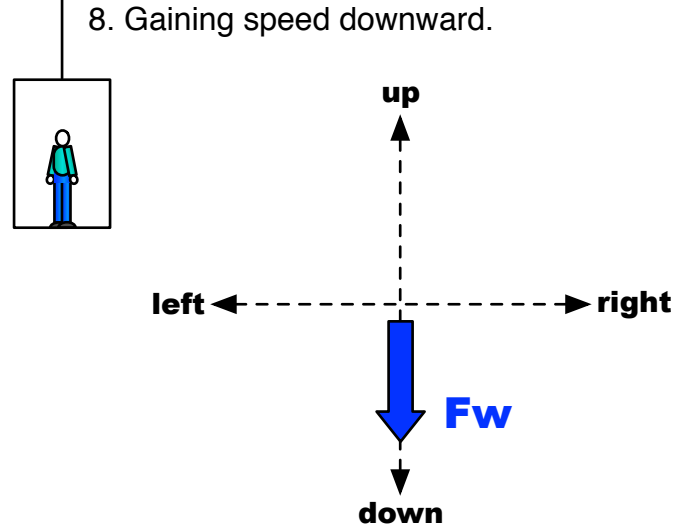


6. If the person were standing on a force plate, what do you think the graph would look like?

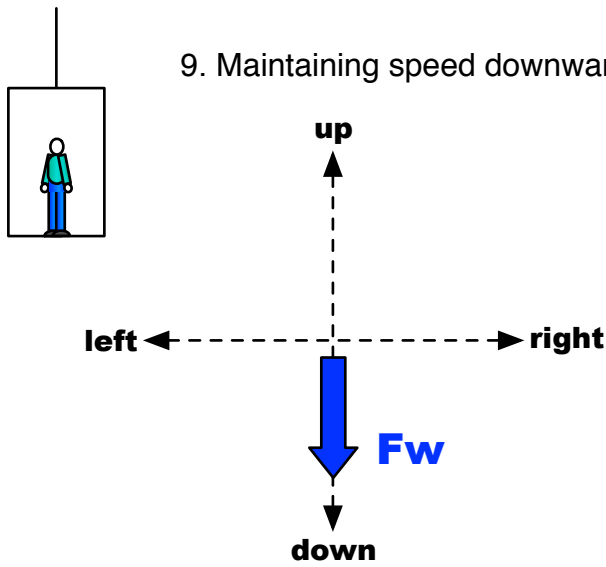
7. At rest at the top.



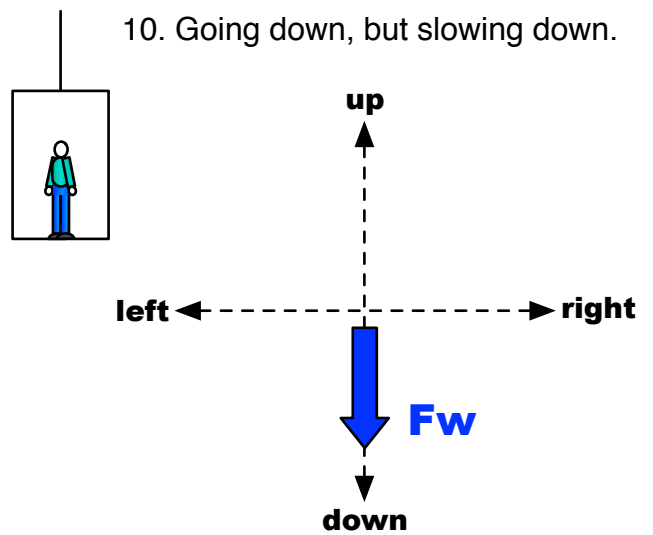
8. Gaining speed downward.



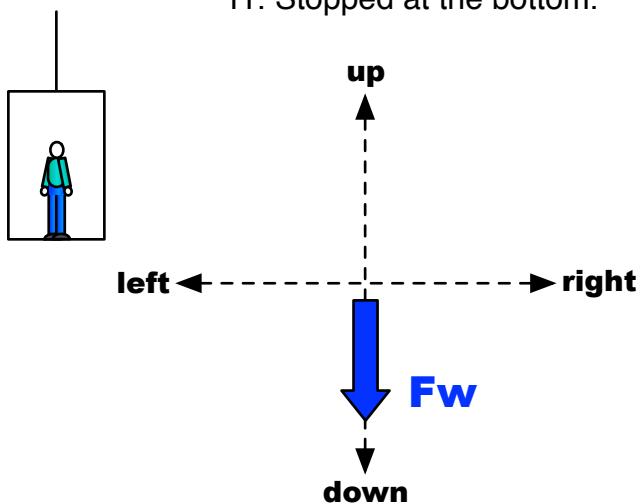
9. Maintaining speed downward.



10. Going down, but slowing down.



11. Stopped at the bottom.



12. If the person were standing on a force plate, what do you think the graph would look like?

