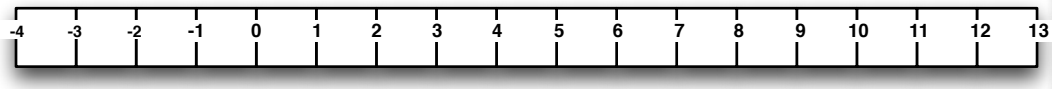
Fill in the Rest of the Motion

Name: _____

Track the FRONT of the object. Assuming the acceleration is constant, fill in the blanks, and draw the person at the other times.

t=0s

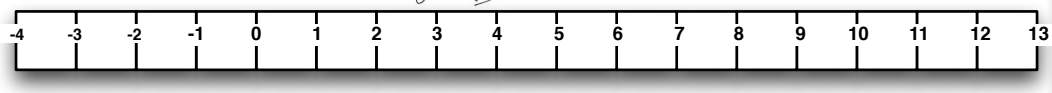


t (s)	x (m)
0	
1	
2	
3	

v (m/s)
4

His acceleration is 0 m/s every second.

t=2s

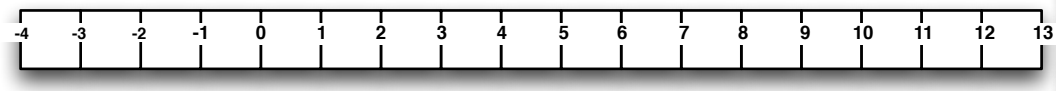


t (s)	x (m)
0	
1	1
2	
3	

v (m/s)

He is running at a constant velocity.

t=0s

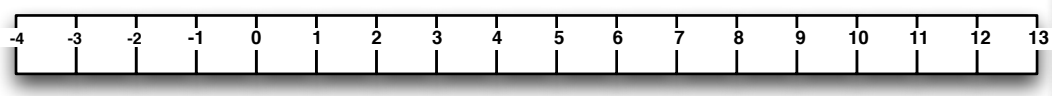


t (s)	x (m)
0	
1	
2	
3	

v (m/s)
1

His acceleration is 2 m/s every second.

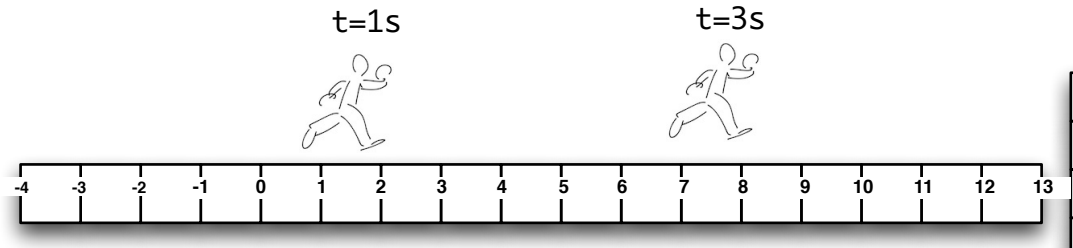
t=1s



t (s)	x (m)
0	
1	
2	
3	

v (m/s)
5
3

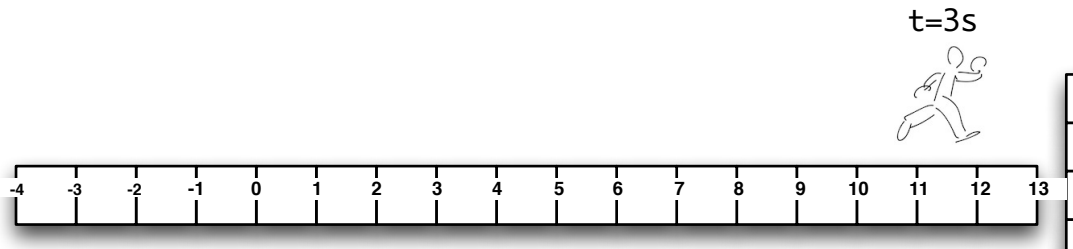
His acceleration is _____ m/s every second.



t (s)	x (m)
0	
1	
2	
3	

v (m/s)

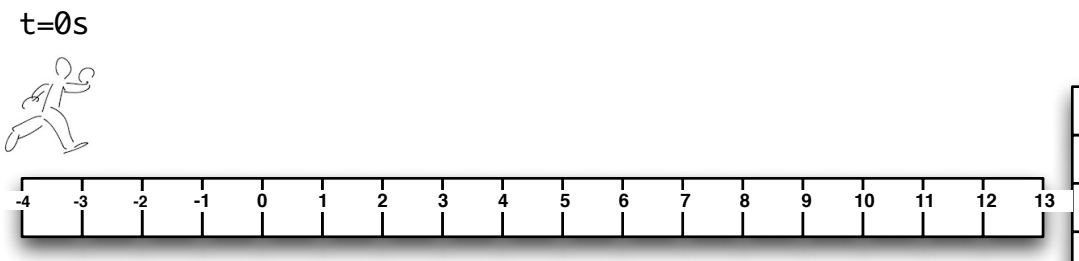
He is running at a constant velocity.



t (s)	x (m)
0	
1	
2	
3	

v (m/s)
7

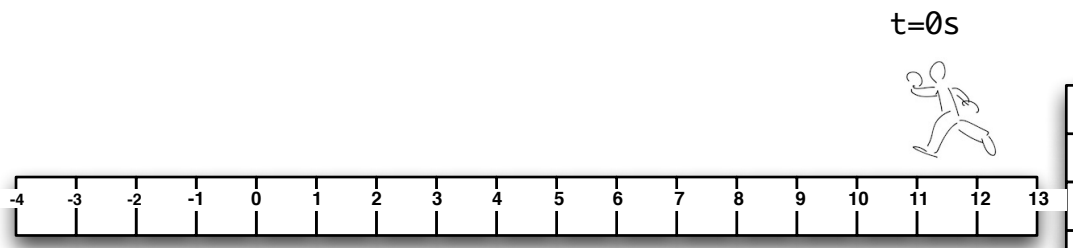
His acceleration is 3 m/s every second.



t (s)	x (m)
0	
1	
2	
3	

v (m/s)
7

His acceleration is -2 m/s every second.



t (s)	x (m)
0	
1	
2	
3	

v (m/s)
-5

His acceleration is +1 m/s every second.