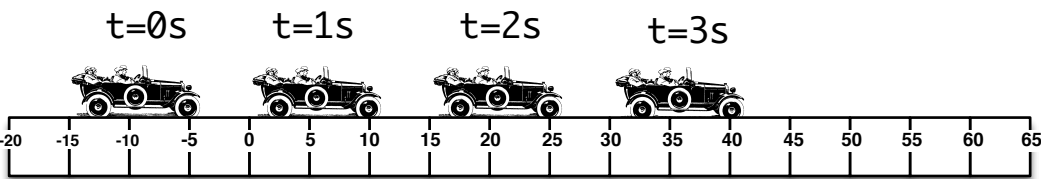


Cycle 9 - Motion Basics

Check-in #2

Name : \_\_\_\_\_

Track the FRONT of the object - fill in the data table, and determine the velocities.  
Predict where the object will be at t = 4 s.



Appears to be:

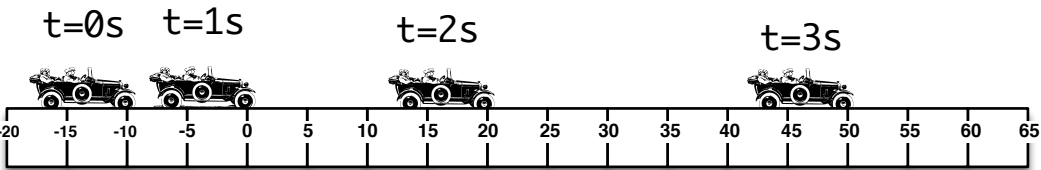
- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

Acceleration = \_\_\_\_\_

Confirmed to be:

- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

t (s)	x (m)	<div><div>v (m/s)</div><div></div><div></div><div></div><div></div></div>
0		
1		
2		
3		
4		



Appears to be:

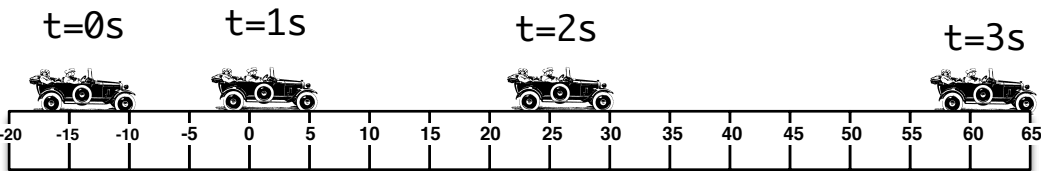
- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

Acceleration = \_\_\_\_\_

Confirmed to be:

- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

t (s)	x (m)	<div><div>v (m/s)</div><div></div><div></div><div></div><div></div></div>
0		
1		
2		
3		
4		



Appears to be:

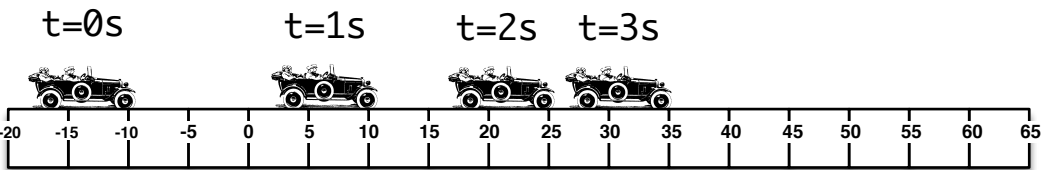
- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

Acceleration = \_\_\_\_\_

Confirmed to be:

- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

t (s)	x (m)	<div><div>v (m/s)</div><div></div><div></div><div></div><div></div></div>
0		
1		
2		
3		
4		



Appears to be:

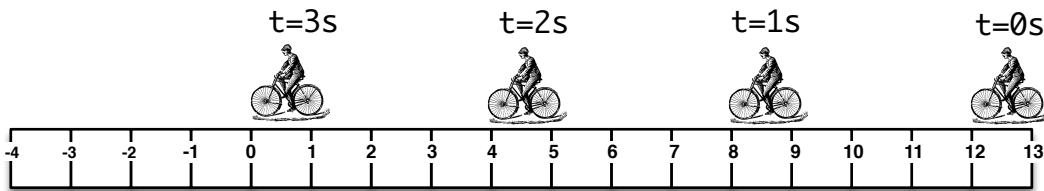
- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

Acceleration = \_\_\_\_\_

Confirmed to be:

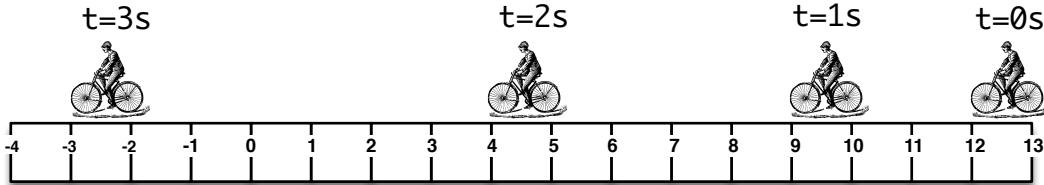
- ☐ speeding up
- ☐ Slowing down
- ☐ Constant velocity

t (s)	x (m)	<div><div>v (m/s)</div><div></div><div></div><div></div><div></div></div>
0		
1		
2		
3		
4		



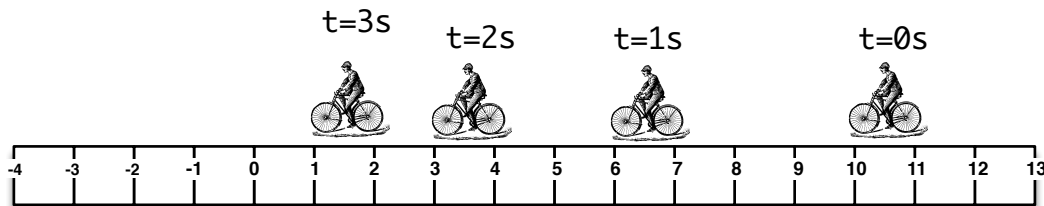
**Describe the motion. What was the acceleration?**

t (s)	x (m)	v (m/s)
0		
1		
2		
3		
4		



**Describe the motion. What was the acceleration?**

t (s)	x (m)	v (m/s)
0		
1		
2		
3		
4		



**Describe the motion. What was the acceleration?**

t (s)	x (m)	v (m/s)
0		
1		
2		
3		
4		

**What is it about the velocity that tells you whether the object is heading to the right or to the left?**

**Under what velocity/acceleration conditions will something velocity up? Slow down?**