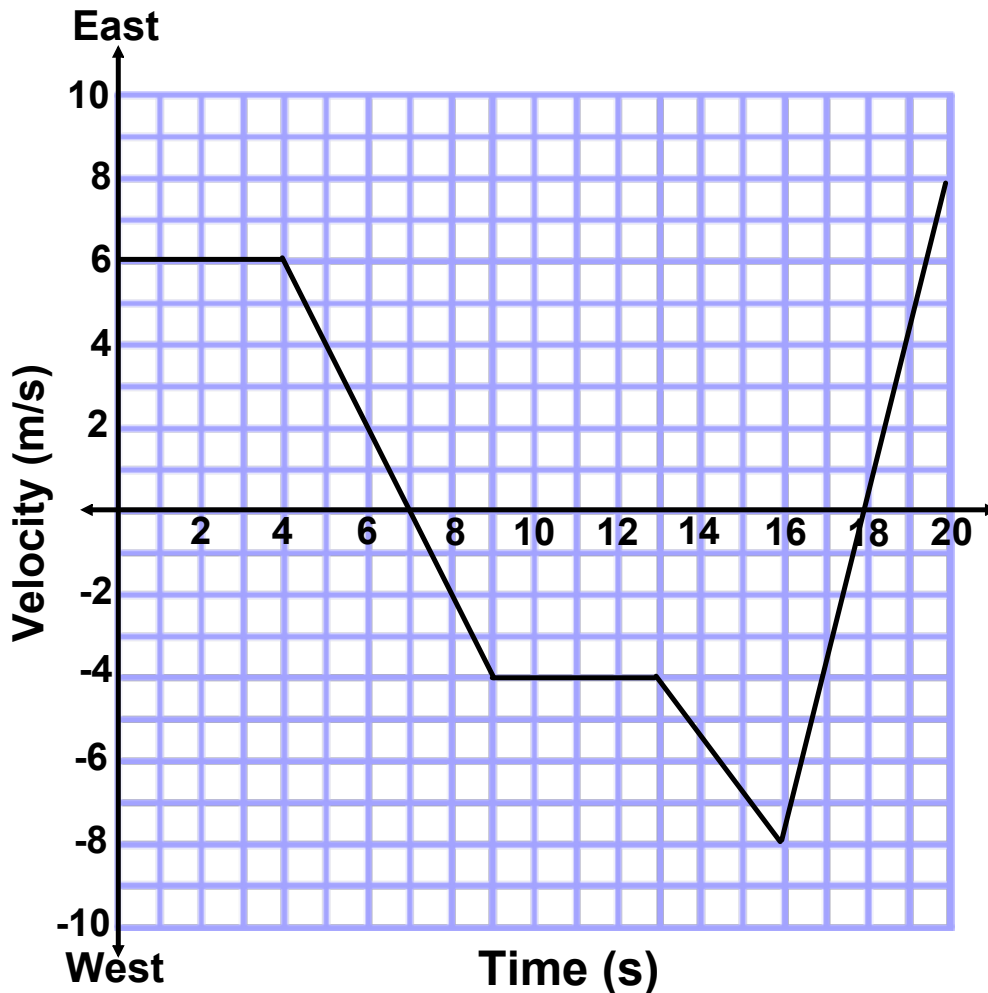
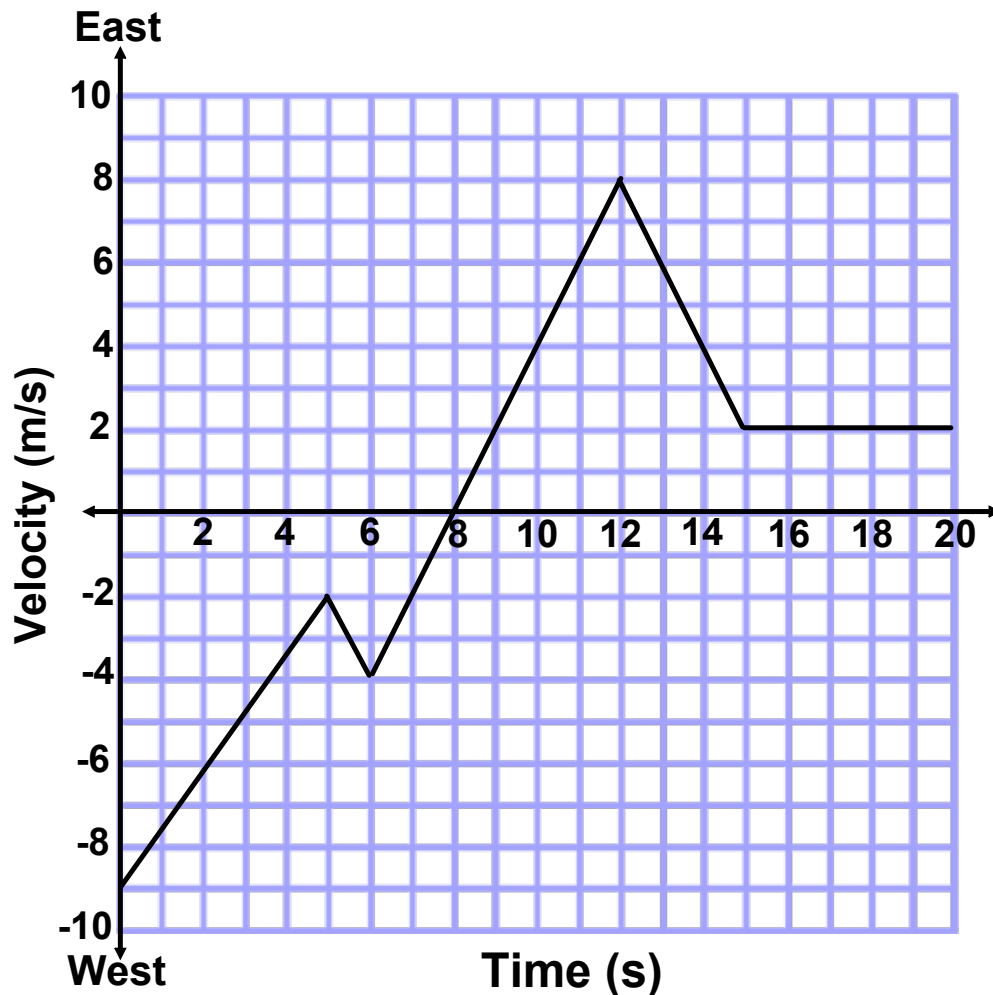


Velocity - Time Practice



1. What is the instantaneous velocity at the 14.5 second mark?
2. Calculate the distance traveled during the first 4 seconds.
3. During what time interval(s) was the acceleration opposite the direction of motion?
4. Calculate the displacement between 4 and 9 seconds.
5. Calculate the average speed between 4 and 9 seconds.
6. Calculate the total distance traveled during the 20 seconds.
7. Calculate the position of the object at the 20 second mark.
8. Calculate the average speed and velocity for the full 20 seconds.
9. Assume the object started at position (0,0). Without extensive calculations, estimate at what point in time the object had instantaneously returned to its starting position.

Velocity - Time Practice



1. What is the instantaneous velocity at the 14.5 second mark?
2. Calculate the distance traveled during the first 5 seconds.
3. During what time interval(s) was the acceleration opposite the direction of motion?
4. Calculate the displacement between 6 and 12 seconds.
5. Calculate the average speed between 6 and 12 seconds.
6. Calculate the total distance traveled during the 20 seconds.
7. Calculate the position of the object at the 20 second mark.
8. Calculate the average speed and velocity for the full 20 seconds.
9. Assume the object started at position (0,0). Without extensive calculations, estimate at what point in time the object had instantaneously returned to its starting position.