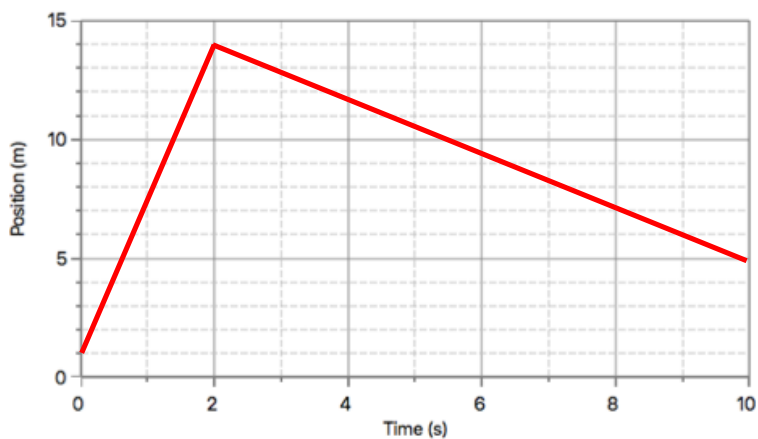


## Position-Time Graphs

### Question Group #1

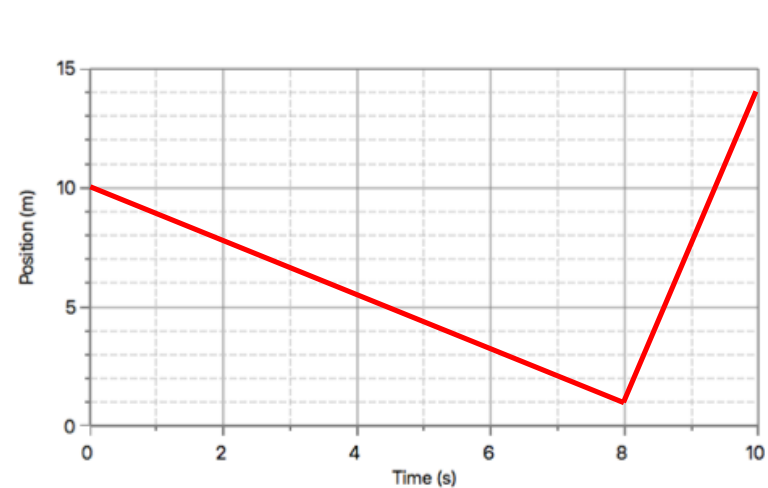
#### Question 1

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 10.0 seconds of motion. Enter the appropriate + or - sign.



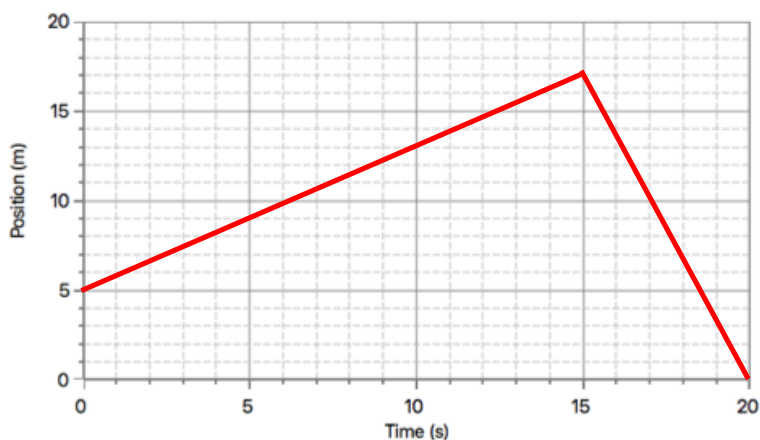
#### Question 2

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 10.0 seconds of motion. Enter the appropriate + or - sign.



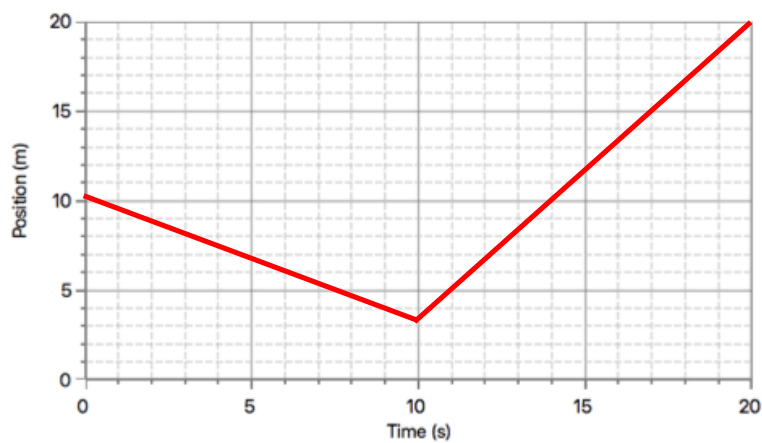
### Question 3

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 20.0 seconds of motion. Enter the appropriate + or - sign.



### Question 4

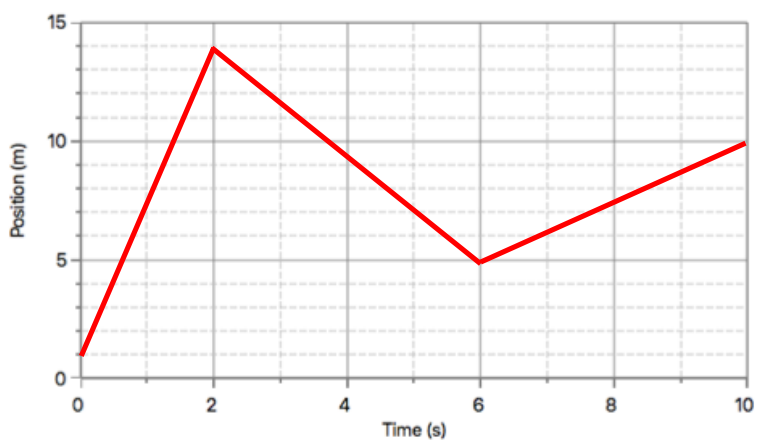
This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 20.0 seconds of motion. Enter the appropriate + or - sign.



## Question Group #2

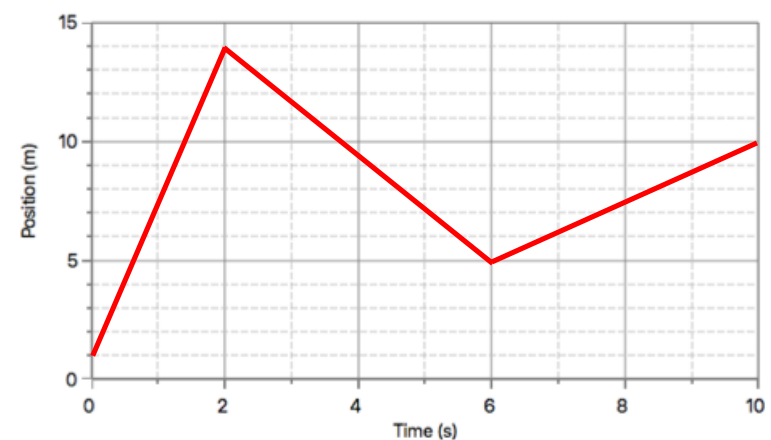
### Question 5

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 10.0 seconds of motion. Enter the appropriate + or - sign.



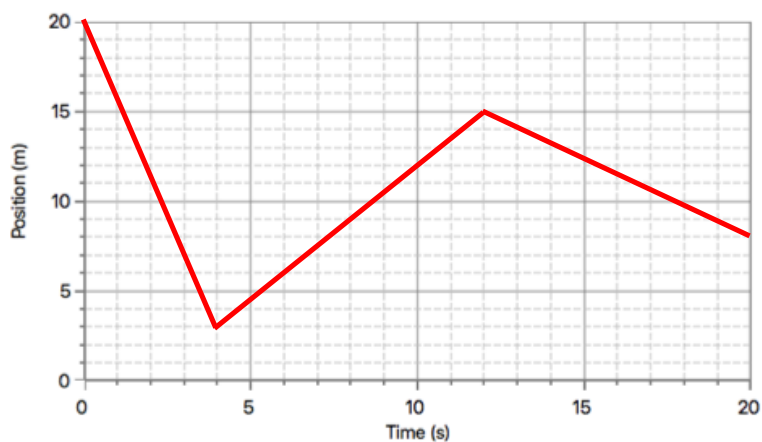
### Question 6

This position-time graph describes an object's motion. Use it to determine the distance the object moves (in m) during the 10.0 seconds of motion.



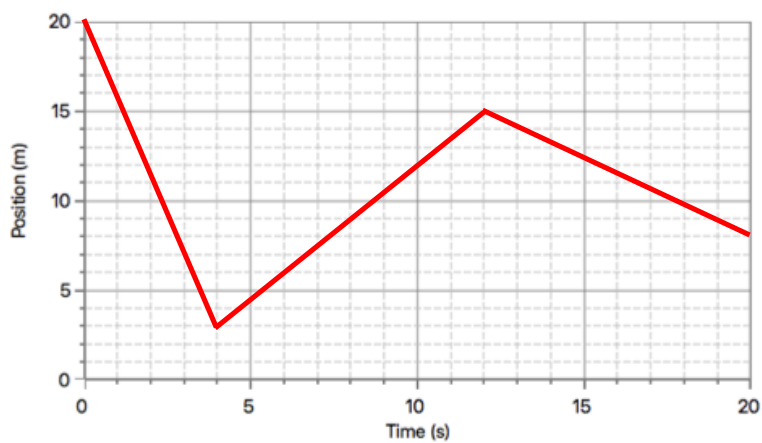
### Question 7

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 20.0 seconds of motion. Enter the appropriate + or - sign.



### Question 8

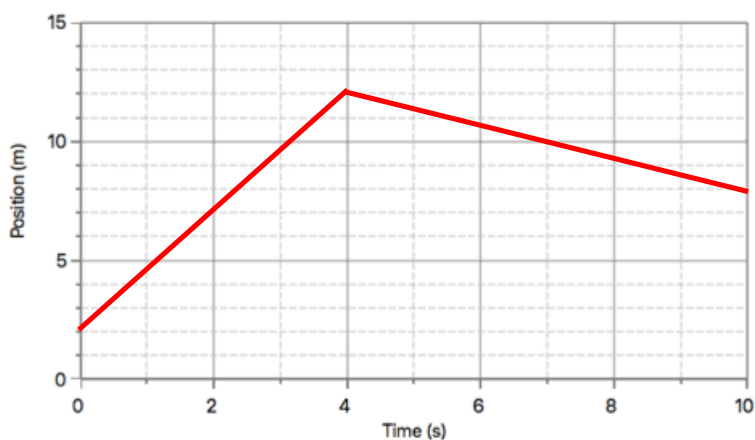
This position-time graph describes an object's motion. Use it to determine the distance the object moves (in m) during the 20.0 seconds of motion.



### Question Group #3

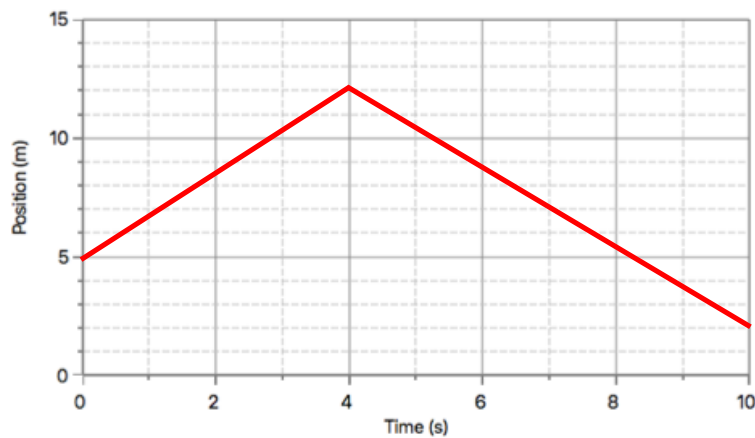
#### Question 9

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 10.0 seconds of motion. Enter the appropriate + or - sign.



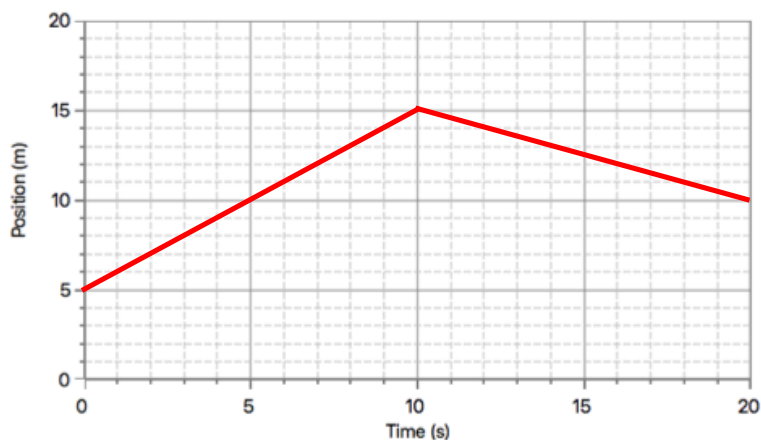
#### Question 10

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 10.0 seconds of motion. Enter the appropriate + or - sign.

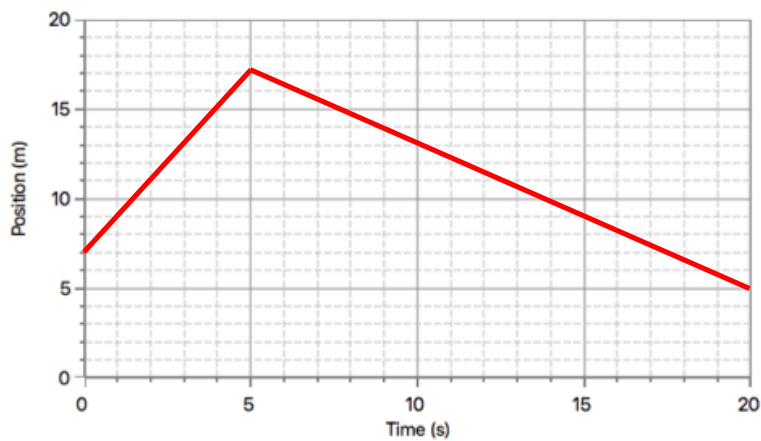


**Question 11**

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 20.0 seconds of motion. Enter the appropriate + or - sign.

**Question 12**

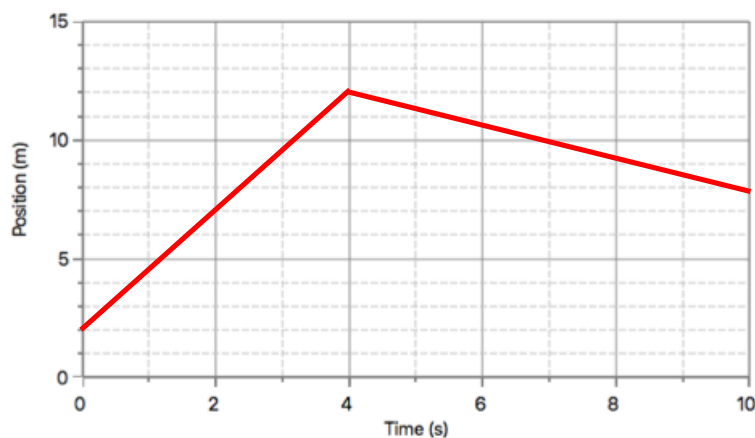
This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object during the 20.0 seconds of motion. Enter the appropriate + or - sign.



### Question Group #4

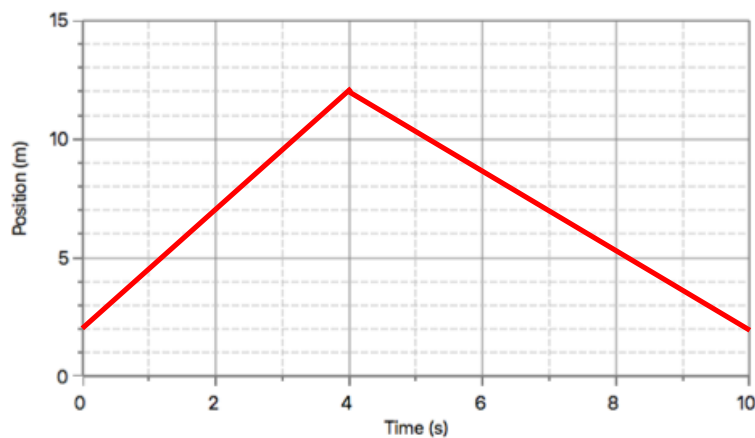
#### Question 13

This position-time graph describes an object's motion. Use it to determine the distance the object moved (in m) during the 10.0 seconds of motion.



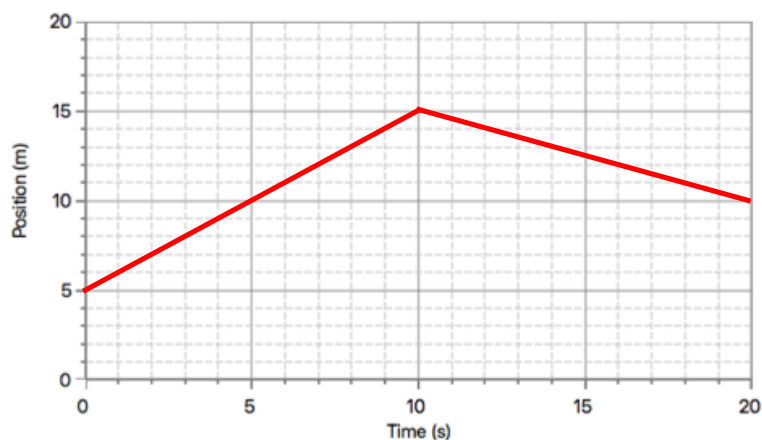
#### Question 14

This position-time graph describes an object's motion. Use it to determine the distance the object moved (in m) during the 10.0 seconds of motion.

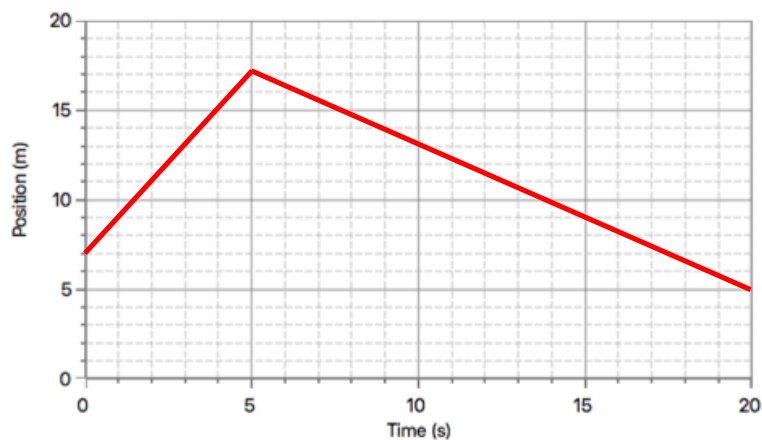


**Question 15**

This position-time graph describes an object's motion. Use it to determine the distance the object moved (in m) during the 20.0 seconds of motion.

**Question 16**

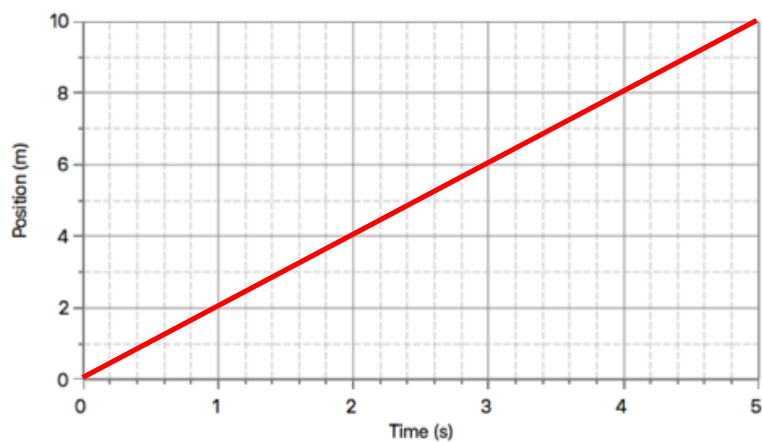
This position-time graph describes an object's motion. Use it to determine the distance the object moved (in m) during the 20.0 seconds of motion.



### Question Group #5

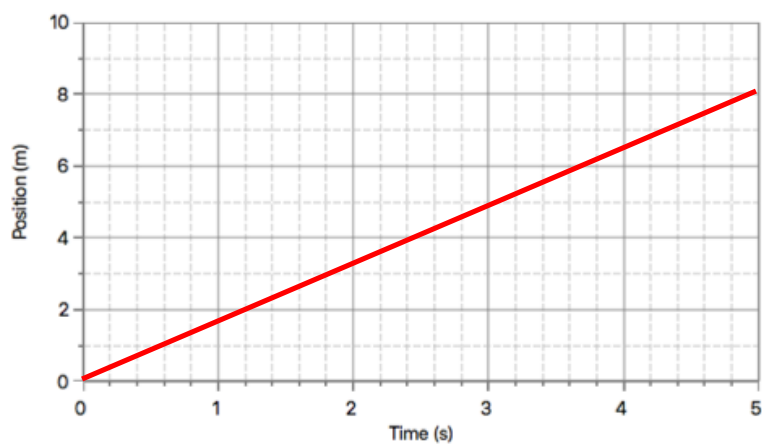
#### Question 17

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.



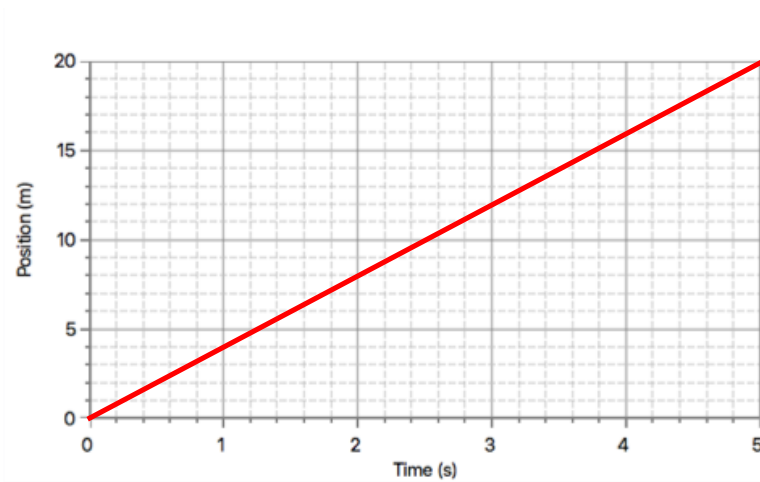
#### Question 18

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.

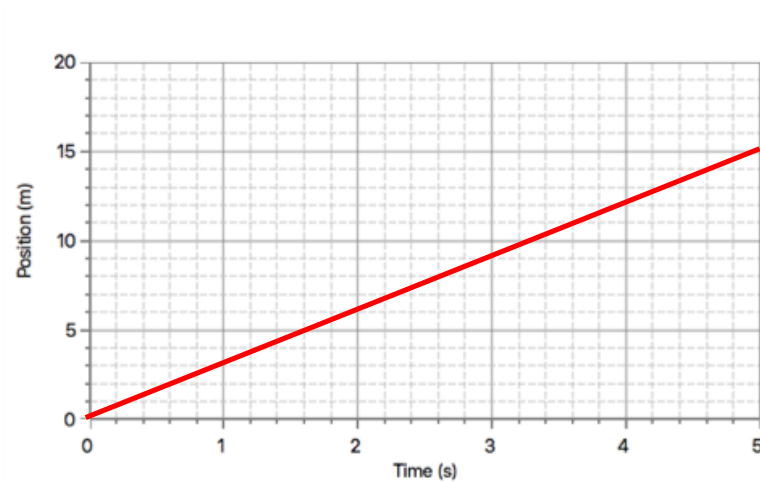


**Question 19**

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.

**Question 20**

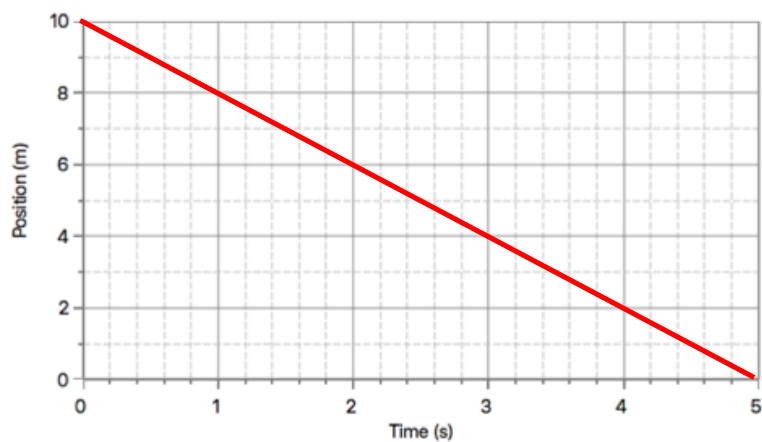
This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.



### Question Group #6

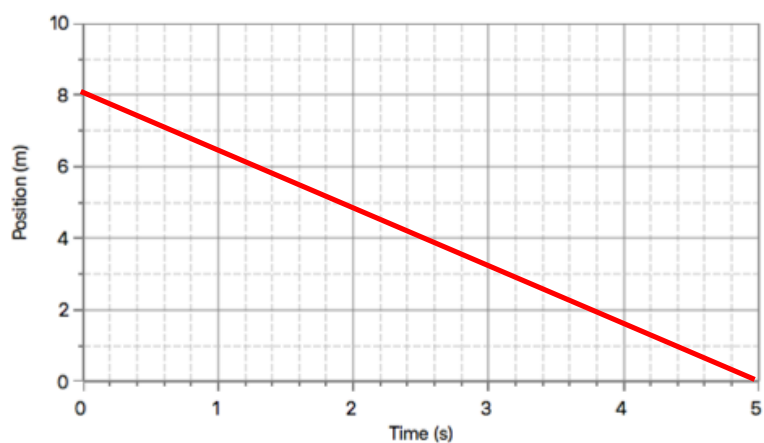
#### Question 21

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.



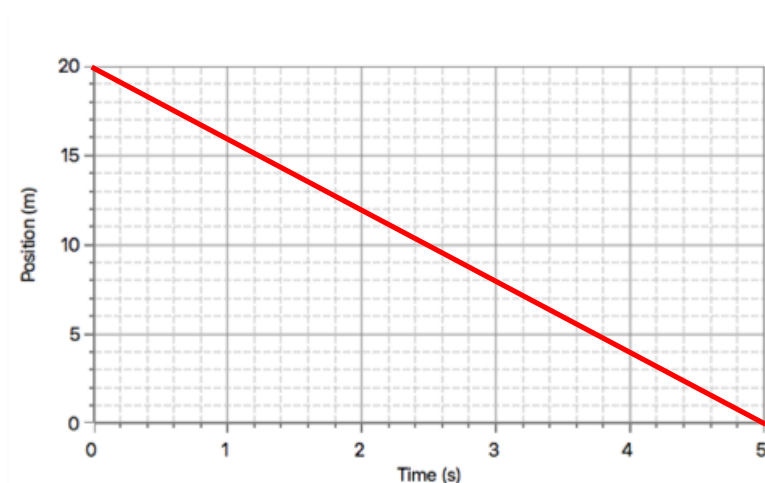
#### Question 22

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.

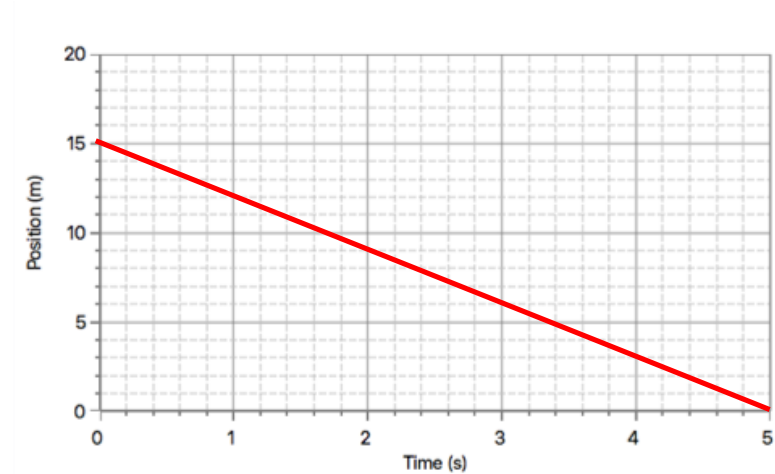


**Question 23**

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.

**Question 24**

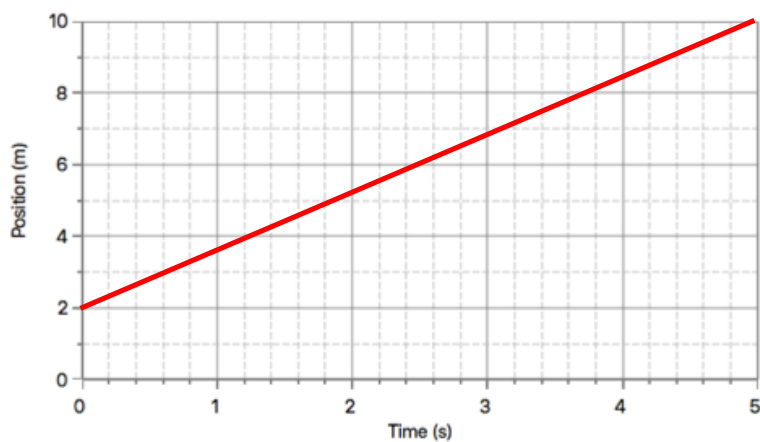
This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.



### Question Group #7

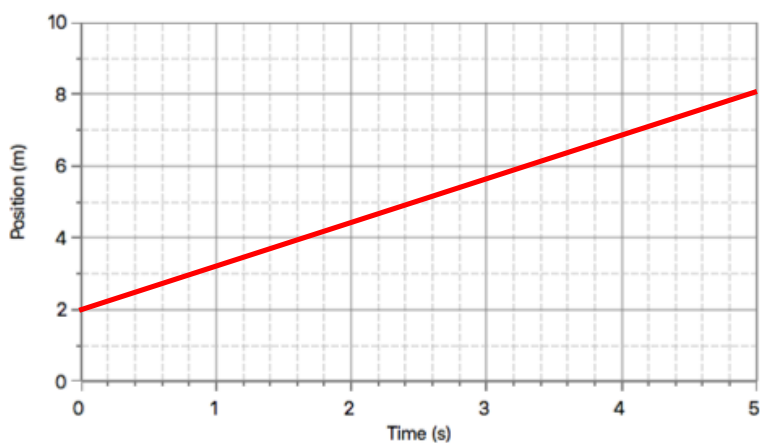
#### Question 25

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.



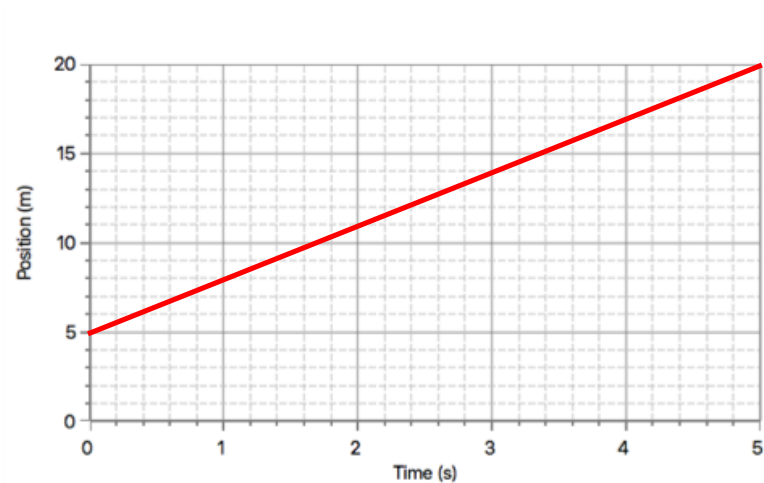
#### Question 26

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.

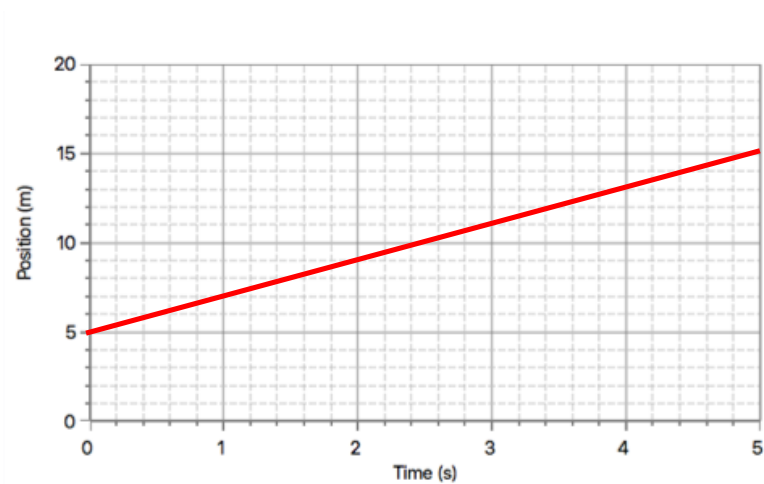


**Question 27**

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.

**Question 28**

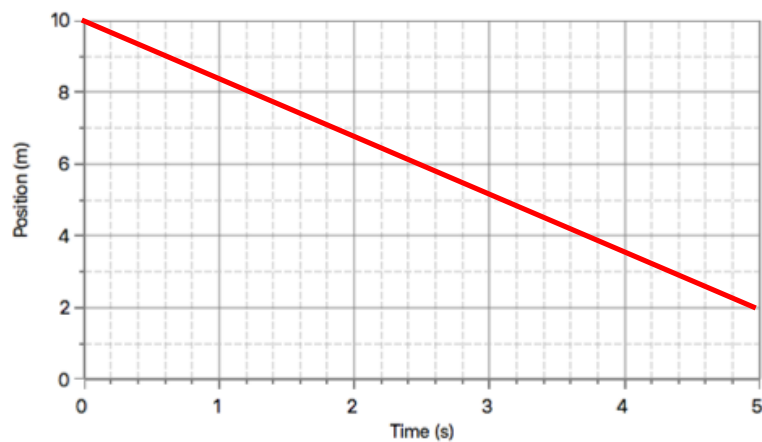
This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or - sign.



### Question Group #8

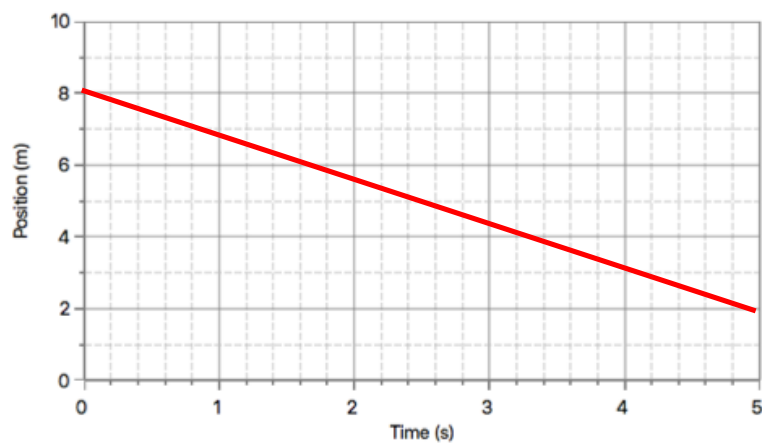
#### Question 29

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or – sign.



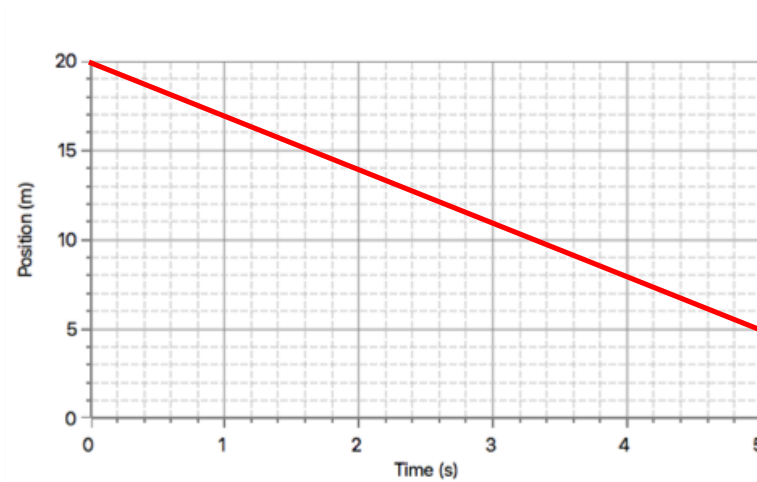
#### Question 30

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or – sign.

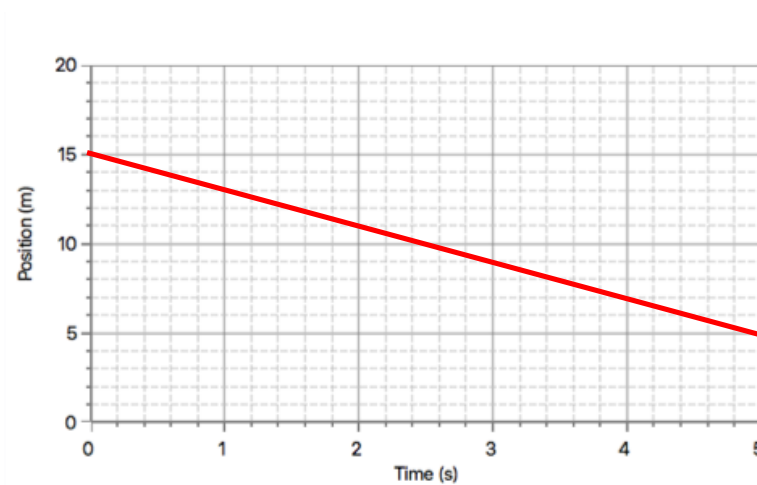


**Question 31**

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or – sign.

**Question 32**

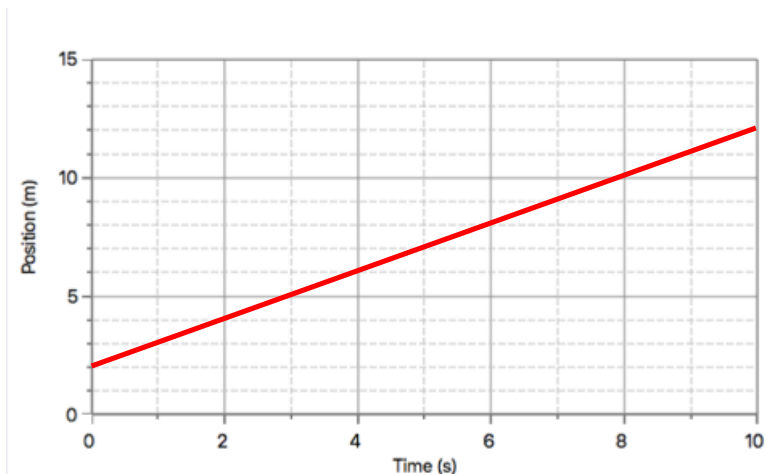
This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object. Enter the appropriate + or – sign.



### Question Group #9

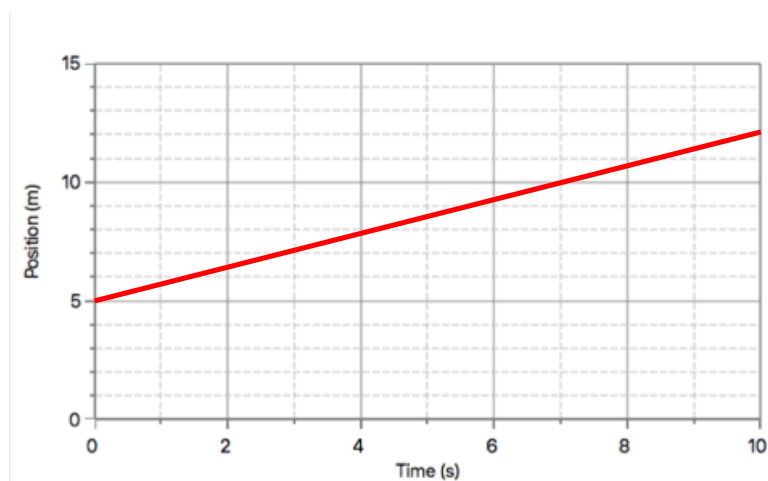
#### Question 33

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object at a time of 4.0 seconds. Enter the appropriate + or – sign.



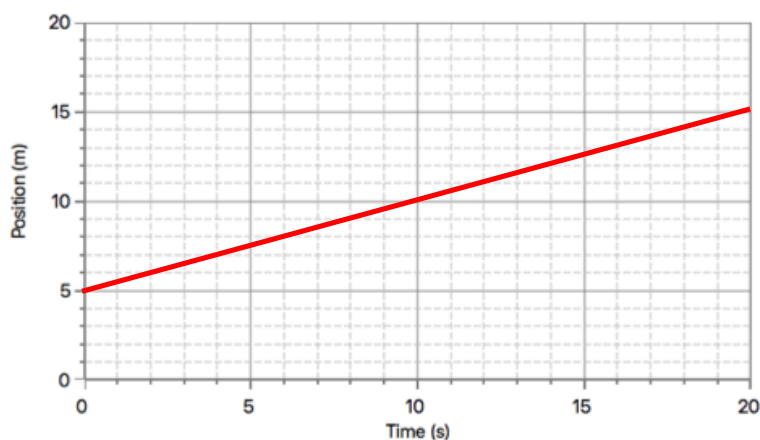
#### Question 34

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object at a time of 6.0 seconds. Enter the appropriate + or – sign.

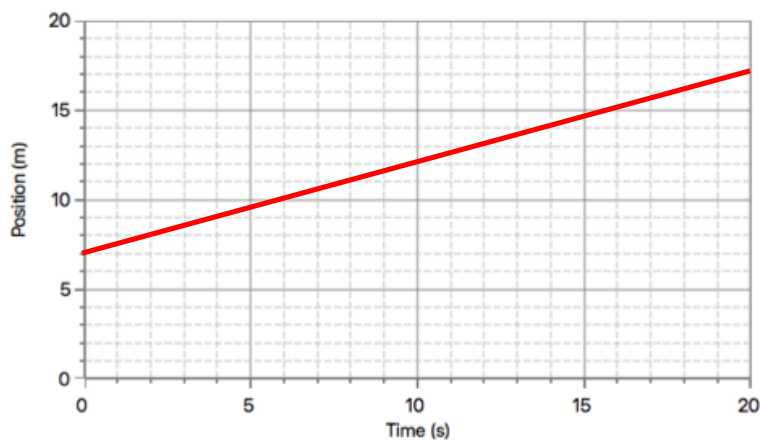


**Question 35**

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object at a time of 4.0 seconds. Enter the appropriate + or – sign.

**Question 36**

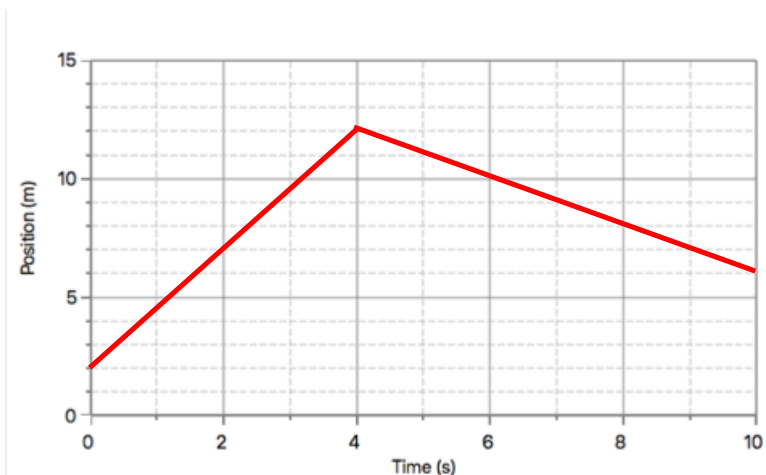
This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object at a time of 6.0 seconds. Enter the appropriate + or – sign.



### Question Group #10

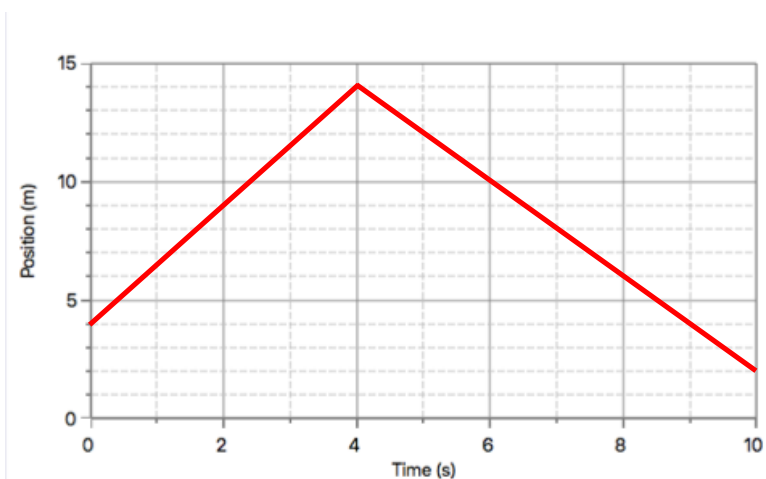
#### Question 37

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object during the last 6.0 seconds of motion. Enter the appropriate + or - sign.



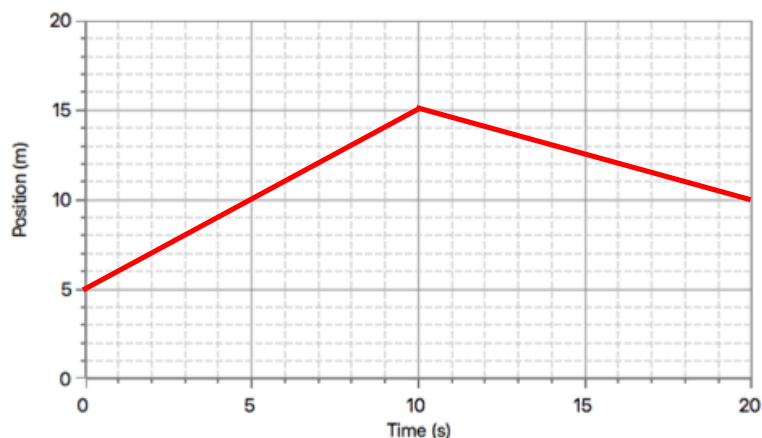
#### Question 38

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object during the last 6.0 seconds. Enter the appropriate + or - sign.

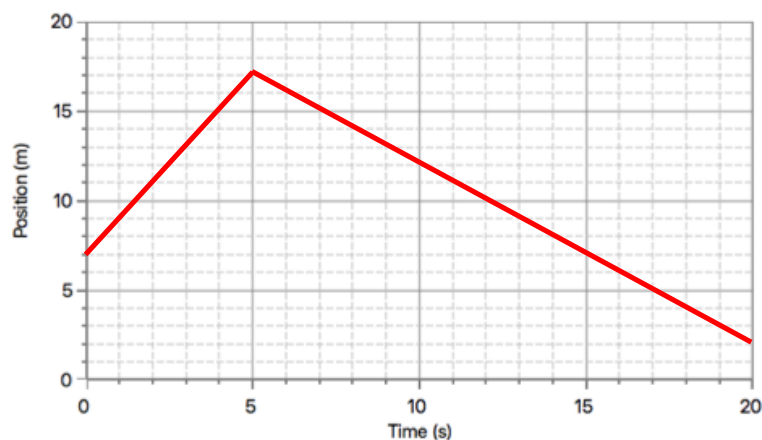


**Question 39**

This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object during the last 10.0 seconds. Enter the appropriate + or – sign.

**Question 40**

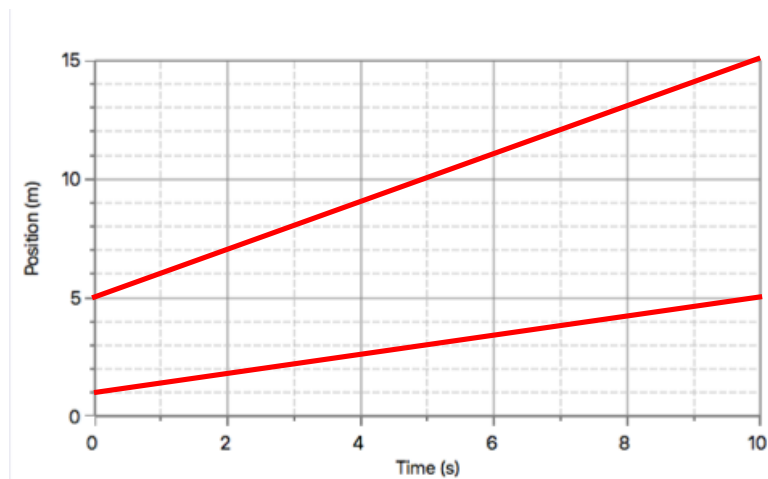
This position-time graph describes an object's motion. Use it to determine the velocity (in m/s) of the object during the last 15.0 seconds. Enter the appropriate + or – sign.



### Question Group #11

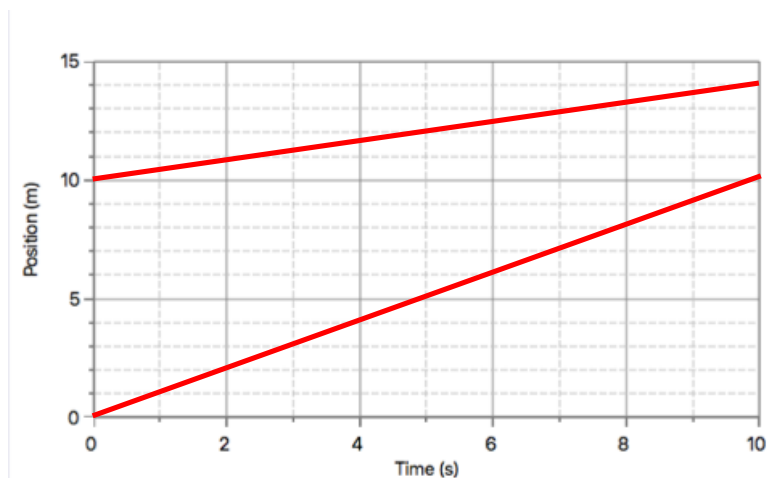
#### Question 41

The two lines on the position-time graph describes the motion of two different objects. How much faster (in m/s) is the faster object moving compared to the slower object?



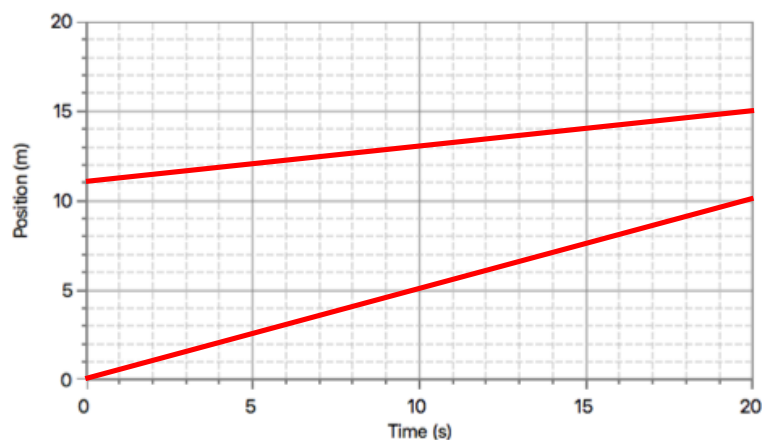
#### Question 42

The two lines on the position-time graph describes the motion of two different objects. How much faster (in m/s) is the faster object moving compared to the slower object?

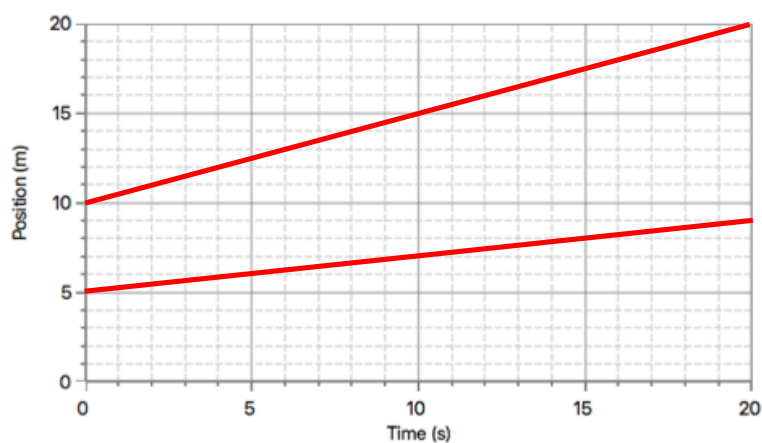


**Question 43**

The two lines on the position-time graph describes the motion of two different objects. How much faster (in m/s) is the faster object moving compared to the slower object?

**Question 44**

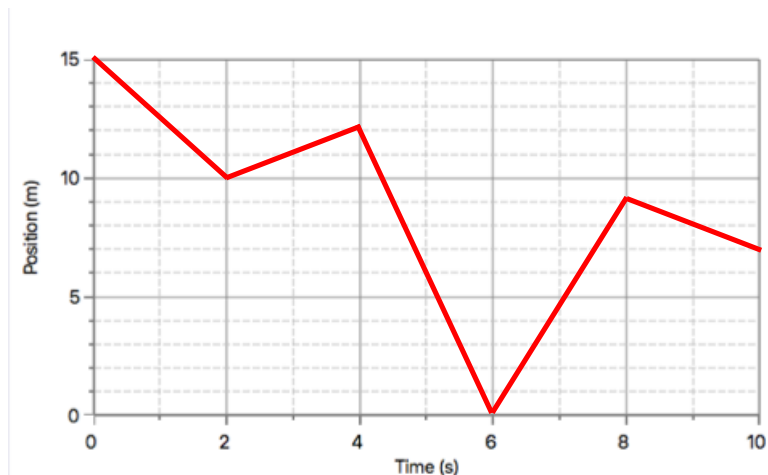
The two lines on the position-time graph describes the motion of two different objects. How much faster (in m/s) is the faster object moving compared to the slower object?



### Question Group #12

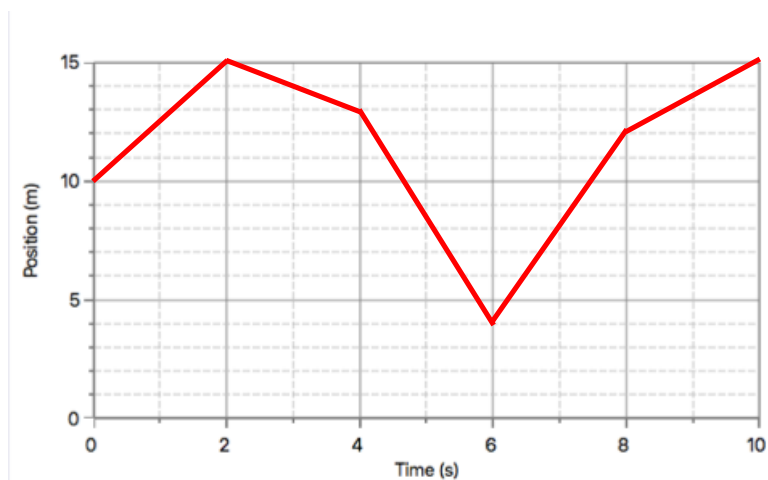
#### Question 45

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object after the 10.0 seconds of motion. Enter the appropriate + or - sign.



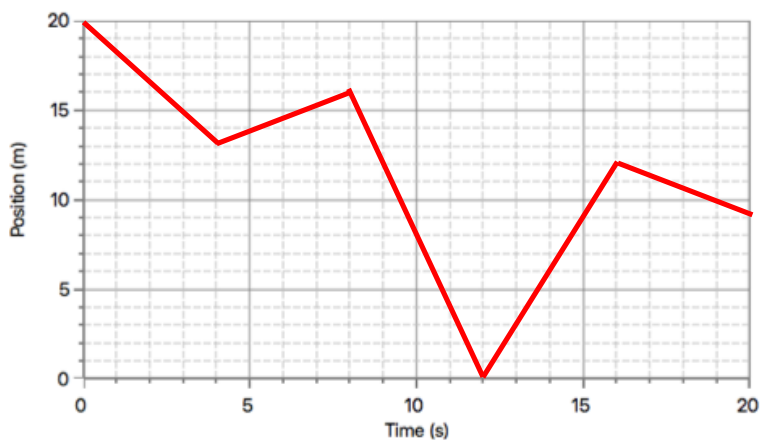
#### Question 46

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object after the 10.0 seconds of motion. Enter the appropriate + or - sign.

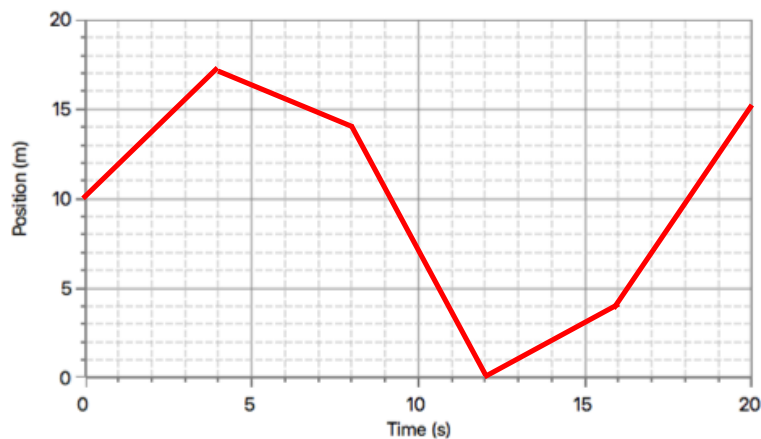


**Question 47**

This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object after the 20.0 seconds of motion. Enter the appropriate + or – sign.

**Question 48**

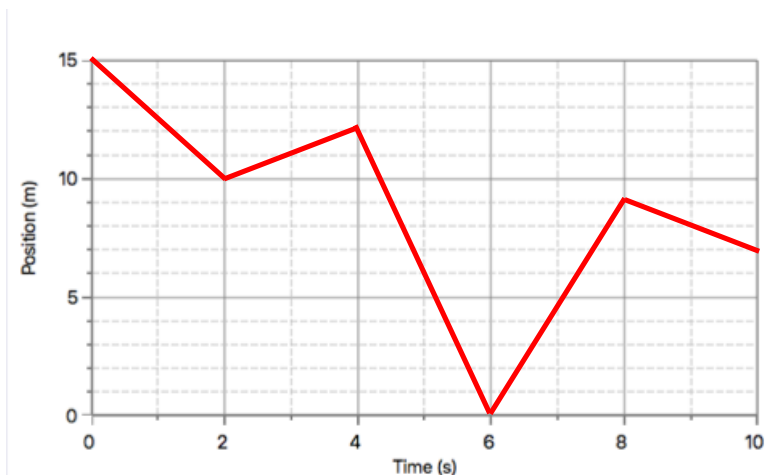
This position-time graph describes an object's motion. Use it to determine the overall displacement (in m) of the object after the 20.0 seconds of motion. Enter the appropriate + or – sign.



### Question Group #13

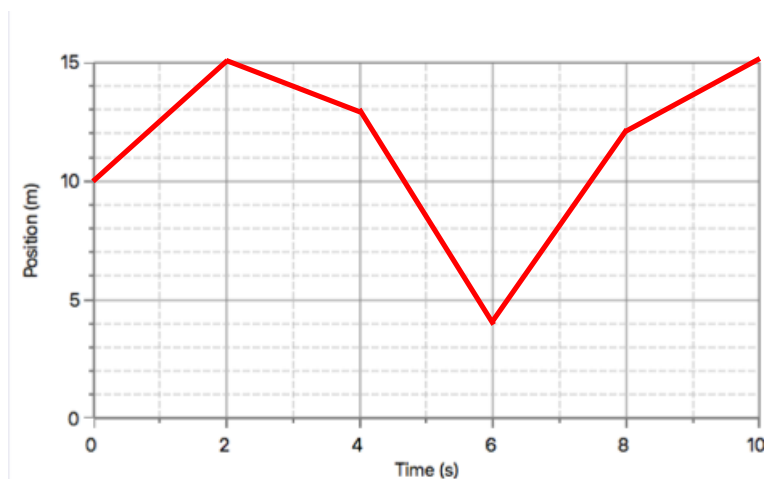
#### Question 49

This position-time graph describes an object's motion. Use it to determine the displacement (in m) of the object after 8.0 seconds of motion. Enter the appropriate + or - sign.



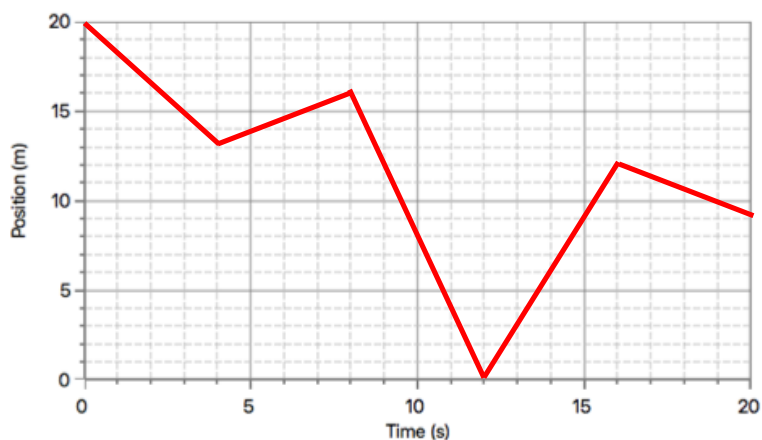
#### Question 50

This position-time graph describes an object's motion. Use it to determine the displacement (in m) of the object after 6.0 seconds of motion. Enter the appropriate + or - sign.

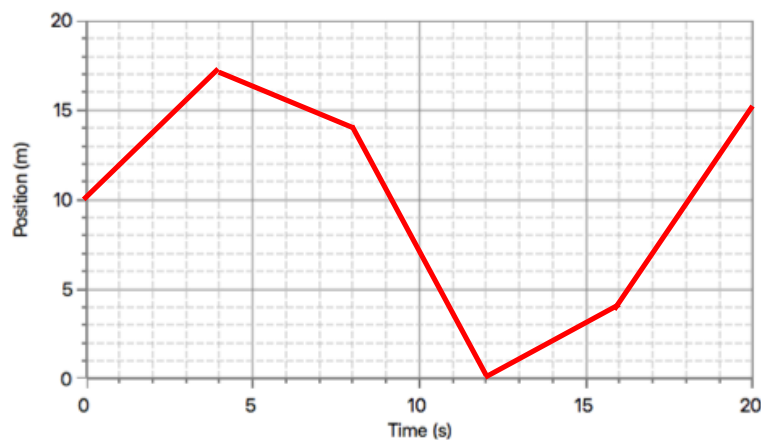


**Question 51**

This position-time graph describes an object's motion. Use it to determine the displacement (in m) of the object after 10.0 seconds of motion. Enter the appropriate + or - sign.

**Question 52**

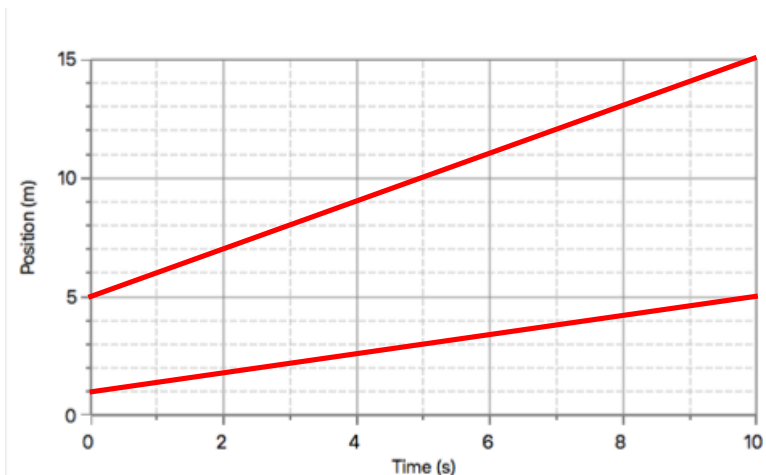
This position-time graph describes an object's motion. Use it to determine the displacement (in m) of the object after 15.0 seconds of motion. Enter the appropriate + or - sign.



### Question Group #14

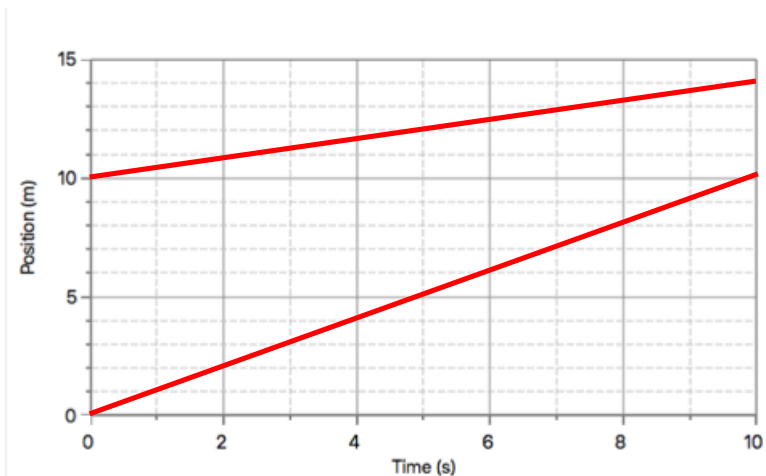
#### Question 53

The two lines on the position-time graph describes the motion of two different objects. By what distance (in m) are the two objects separated at a time of 5.0 seconds?



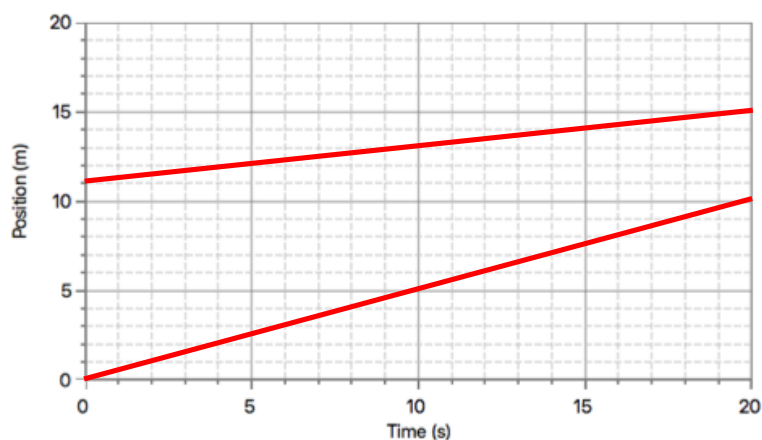
#### Question 54

The two lines on the position-time graph describes the motion of two different objects. By what distance (in m) are the two objects separated at a time of 10.0 seconds?

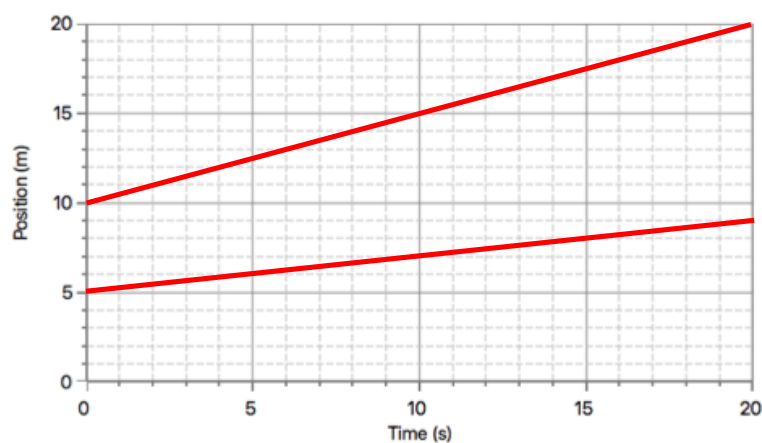


**Question 55**

The two lines on the position-time graph describes the motion of two different objects. By what distance (in m) are the two objects separated at a time of 10.0 seconds?

**Question 56**

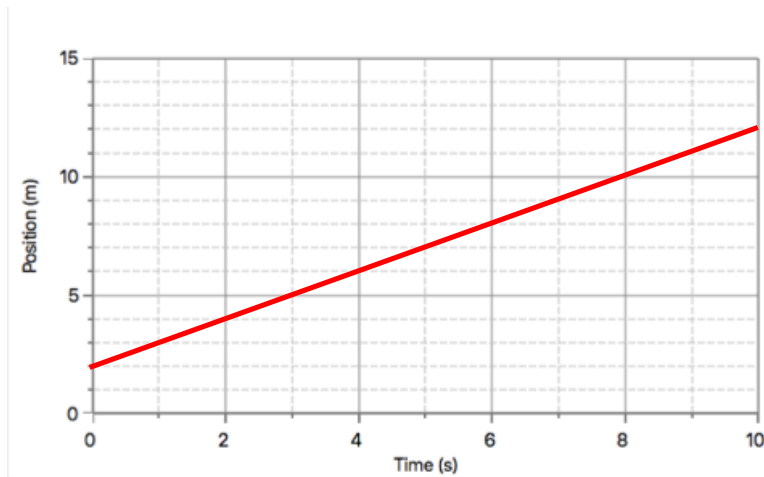
The two lines on the position-time graph describes the motion of two different objects. By what distance (in m) are the two objects separated at a time of 20.0 seconds?



### Question Group #15

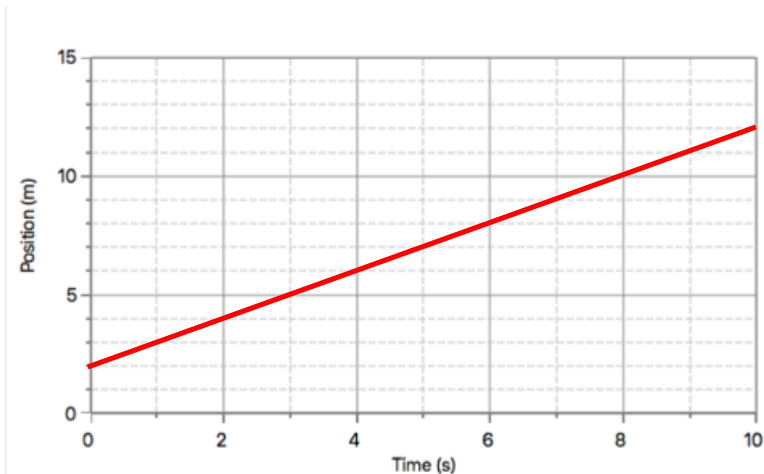
#### Question 57

This position-time graph describes an object's motion. Use it to predict the position (in m) of the object at a time of 14.0 seconds.



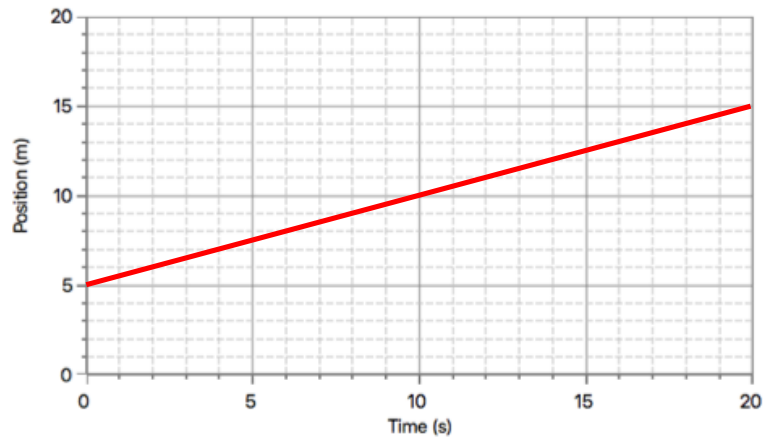
#### Question 58

This position-time graph describes an object's motion. Use it to predict the position (in m) of the object at a time of 18.0 seconds.

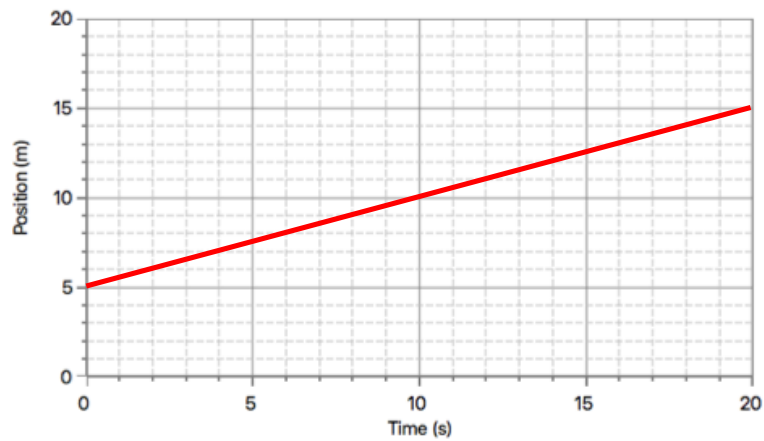


**Question 59**

This position-time graph describes an object's motion. Use it to predict the position (in m) of the object at a time of 24.0 seconds.

**Question 60**

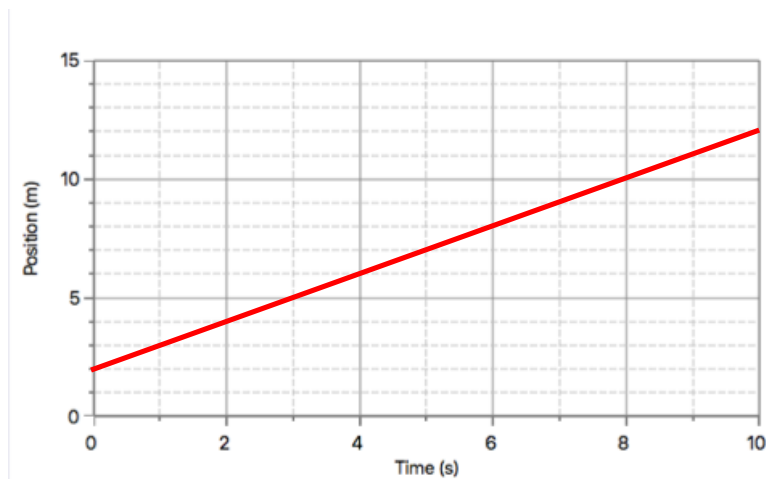
This position-time graph describes an object's motion. Use it to predict the position (in m) of the object at a time of 28.0 seconds.



### Question Group #16

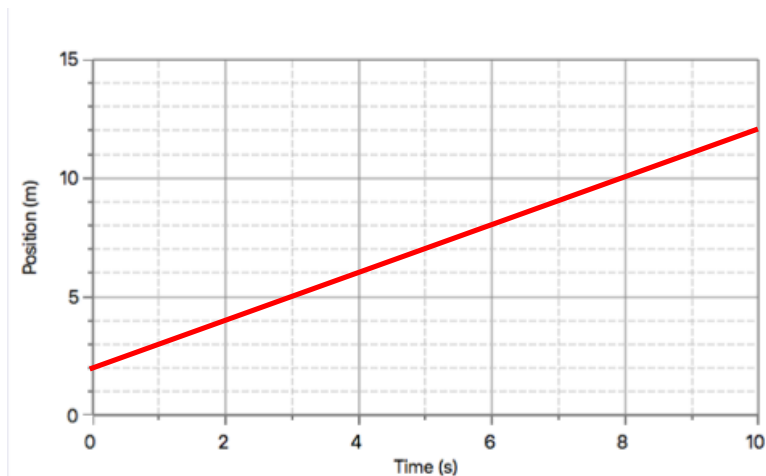
#### Question 61

This position-time graph describes an object's motion. Use it to predict the time (in s) that the object will be at a position of 15.0 meters.



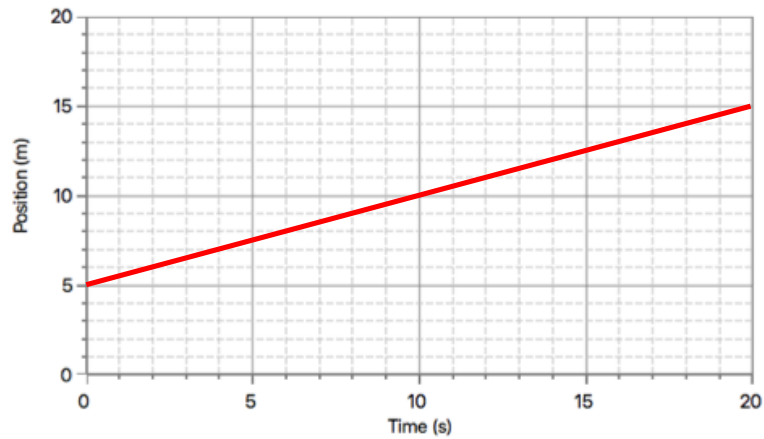
#### Question 62

This position-time graph describes an object's motion. Use it to predict the time (in s) that the object will be at a position of 20.0 meters.



**Question 63**

This position-time graph describes an object's motion. Use it to predict the time (in s) that the object will be at a position of 20.0 meters.

**Question 64**

This position-time graph describes an object's motion. Use it to predict the time (in s) that the object will be at a position of 20.0 meters.

