QUIZIZZ Worksheets

Name

position-time graph

Total questions: 14

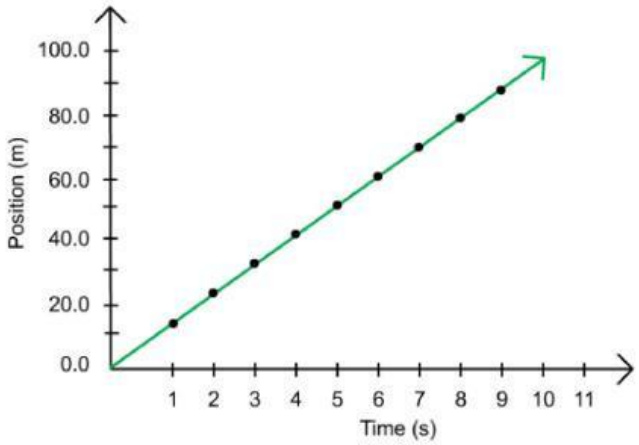
Worksheet time: 24mins

Instructor name: Khaled Barhoom

Class

Date

1.



A position-time graph of an athlete winning the 100-m run is shown. Estimate the time taken by the athlete to reach 65 m.

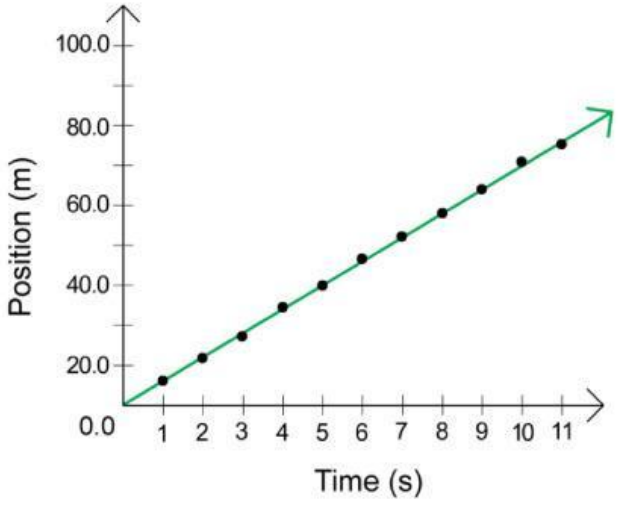
a) 6.0 s

b) 6.5 s

c) 5.5 s

d) 7.0 s

2.



A position-time graph of an athlete winning the 100-m run is shown. What was the instantaneous position of the athlete at 2.5 s?

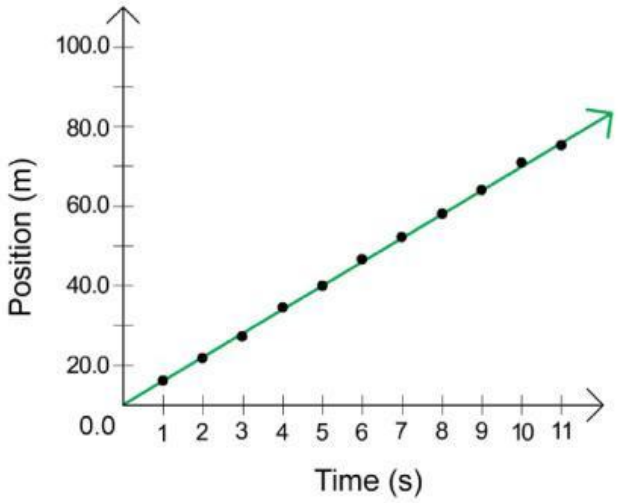
a) 15 m

b) 20 m

c) 25 m

d) 30 m

3.



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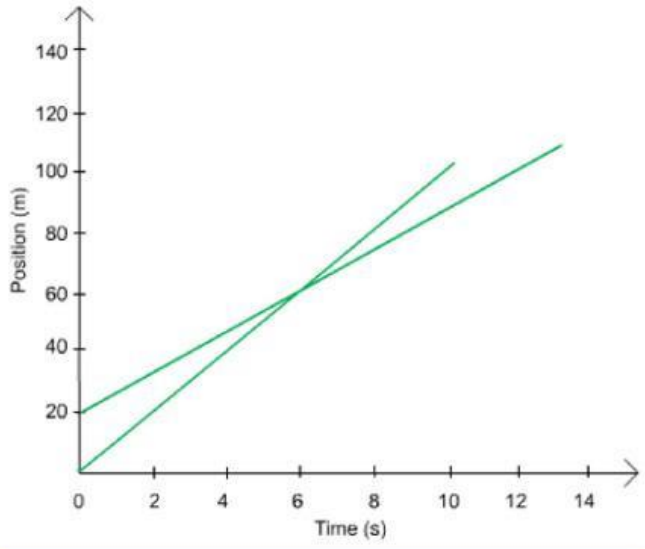


From the following position-time graph of two brothers running a 100-m run, analyze at what time do both brothers have the same position. The smaller brother started the race from the 20-m mark.

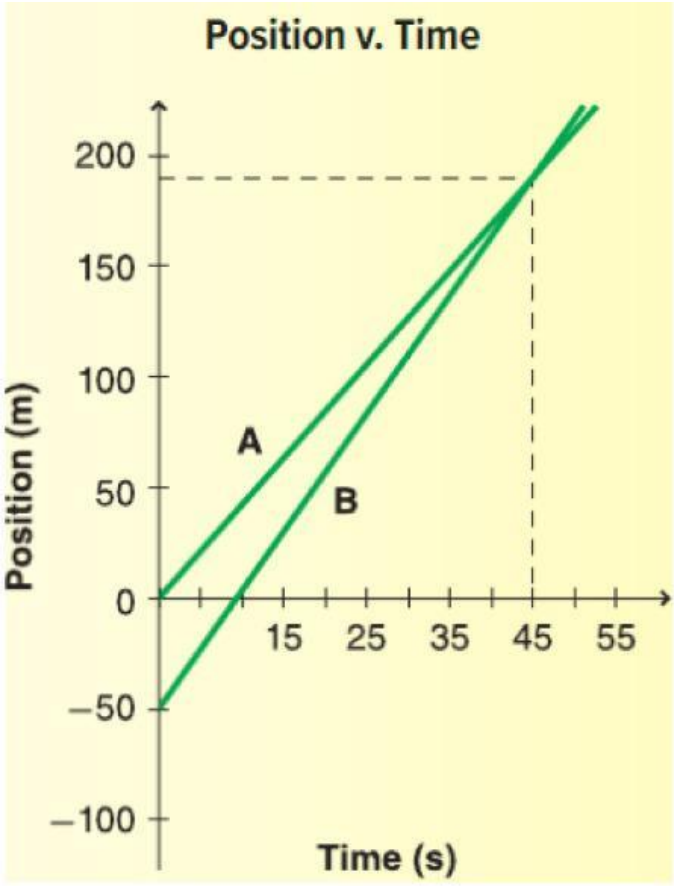
a) 2 s

b) 4 s

c) 6 s

d) 8 s

5.



The position-time graph of two runners A and B is given. When does runner B pass runner A?

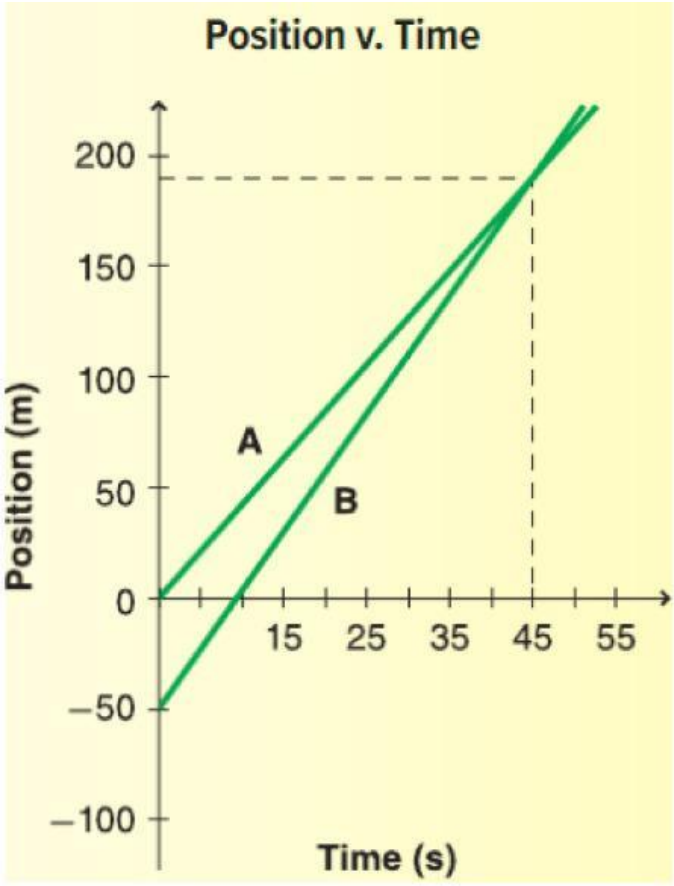
a) 40 s

b) 35 s

c) 45 s

d) 50 s

6.



The position-time graph of two runners A and B is given. Where does runner B pass runner A?

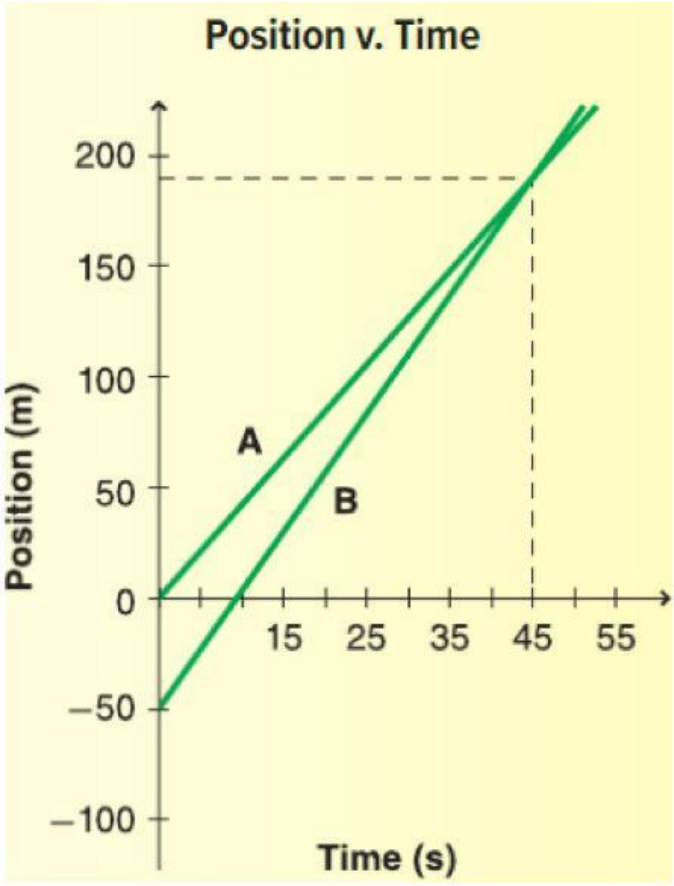
a) 0 m

b) 100 m

c) 190 m

d) 55 m

7.



Where was runner A located at t=0 seconds?

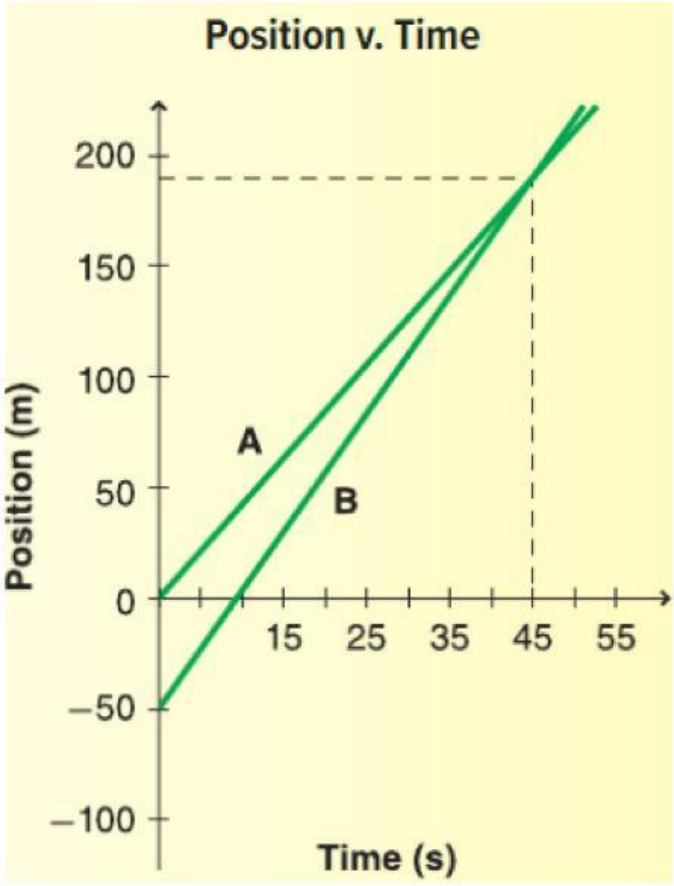
a) at origin

b) at 50 m from origin

c) at -50 m from origin

d) at 100 m from origin

8.

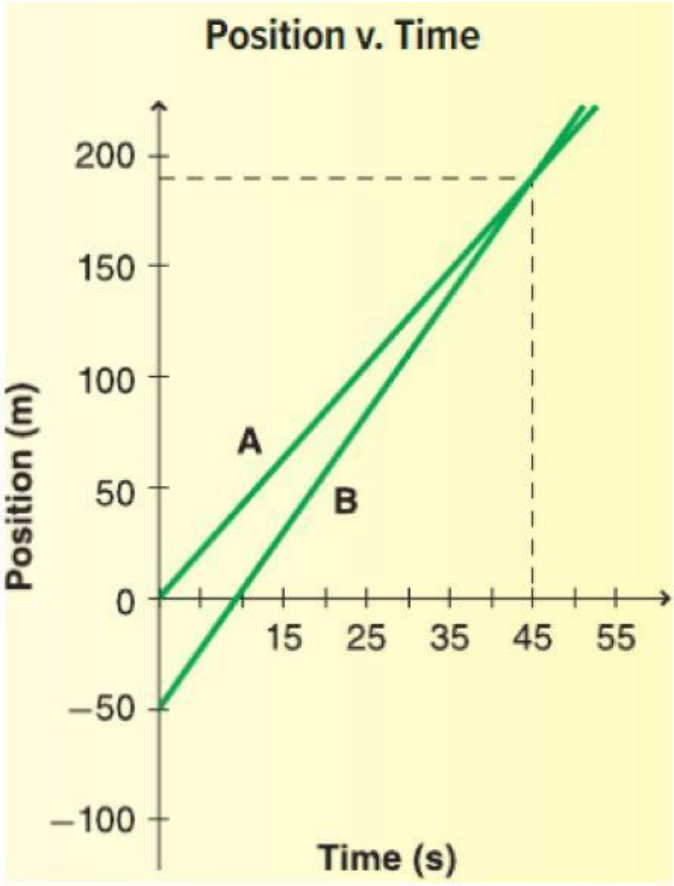


Which runner was ahead at t=48.0 s?

a) runner A

b) runner B

9.



When runner A was at 0.0 m, where was runner B?

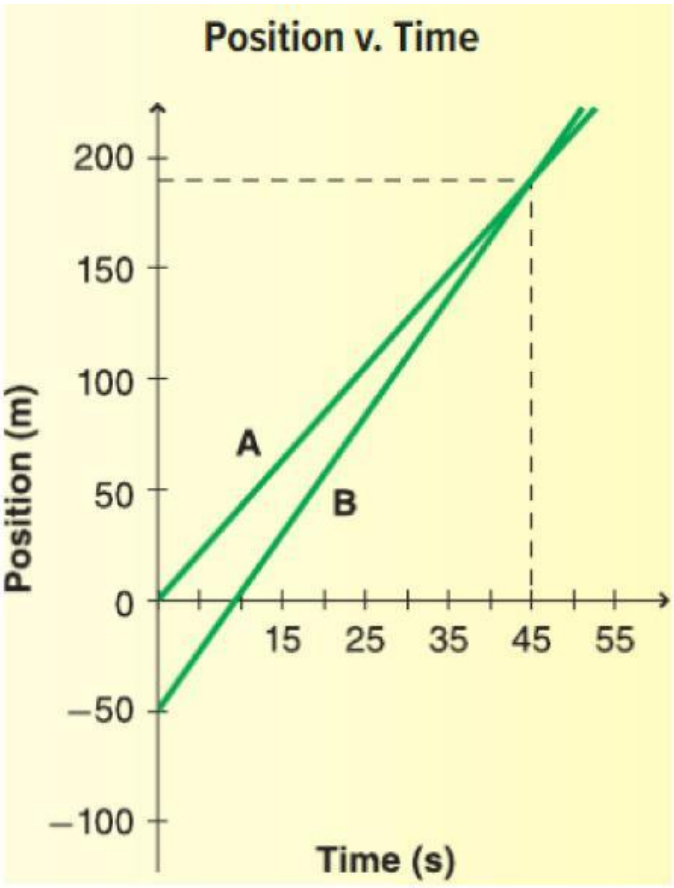
a) 0 m

b) 50 m

c) 100 m

d) -50 m

10.



How far apart were runners A and B at t=20.0 s?

a) 10 m

b) 30 m

c) 50 m

d) 70 m

11. Slope of a Position -Time graph gives

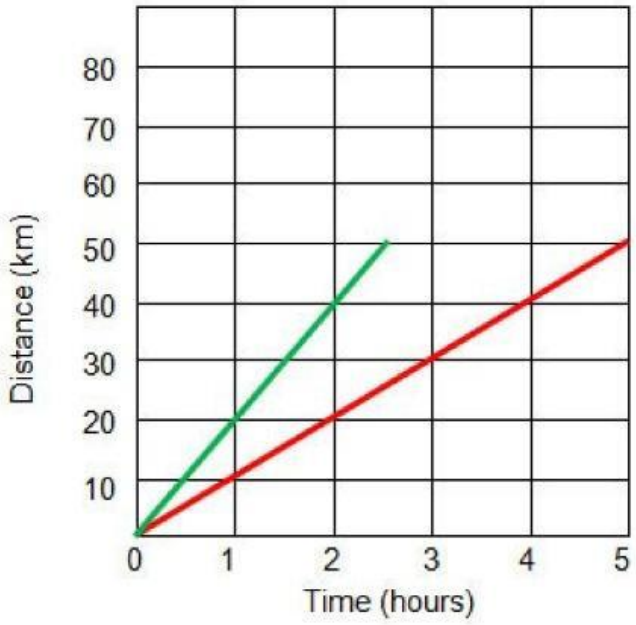
a) Velocity

b) Displacement

c) Acceleration

d) Distance

12.

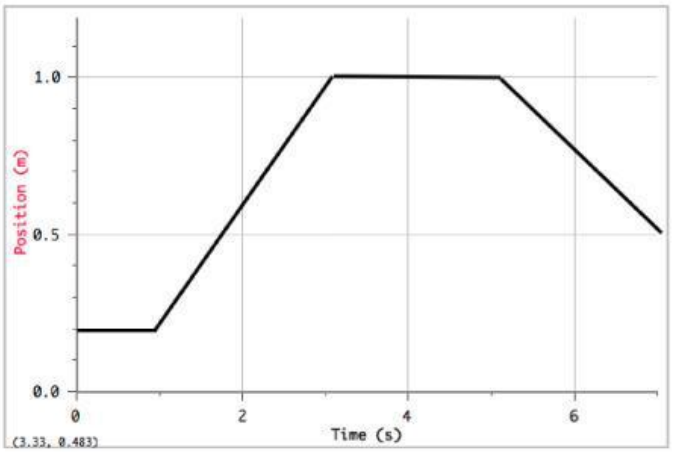


Which line represents the slower speed?

a) green

b) red

13.



from 3rd second to 5th second, the object is

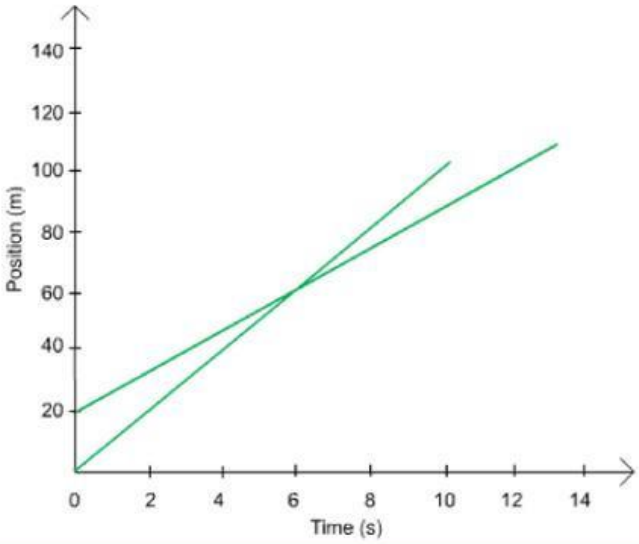
a) moving at a constant speed

b) speeding up

c) not moving

d) slowing down

14.



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