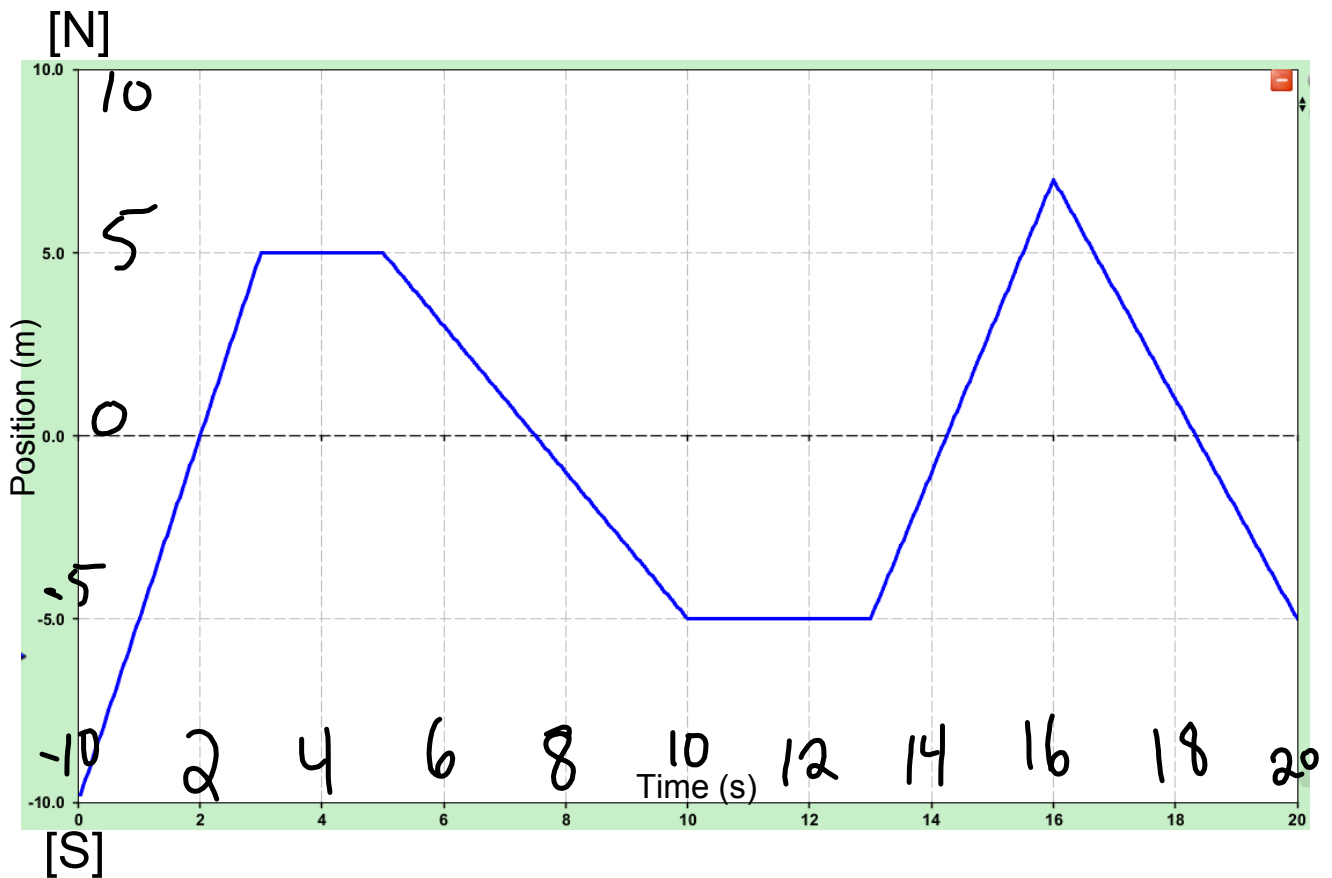


# Position - Time Formative Assessment

Grade: 11  
Subject: Physics 112  
Date: 2014

Use the graph to answer the following 10 questions.



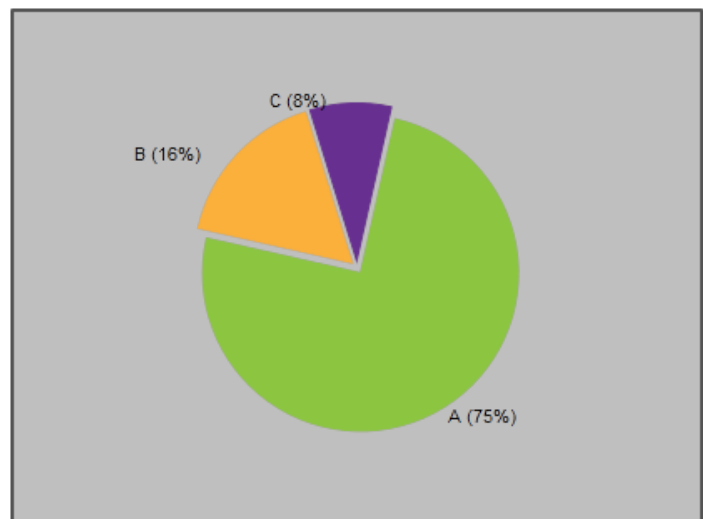
1 What was the initial velocity of the object?

A 5 m/s [N]

B -5 m/s [N]

C -10 m/s [N]

D 10 m/s [N]

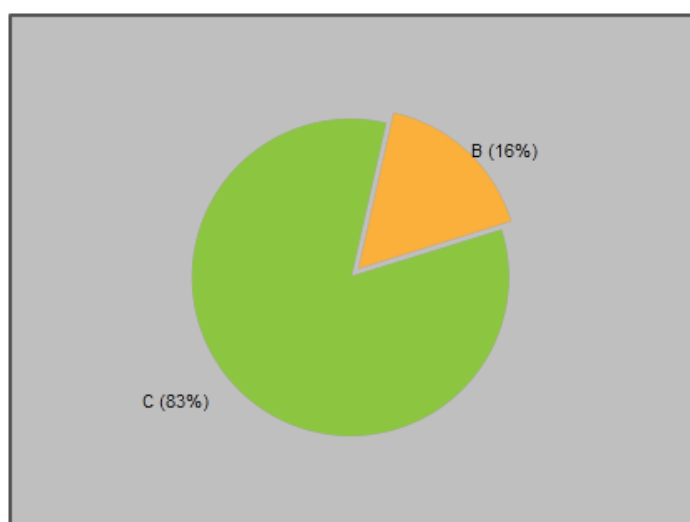


2 For how long was the object not moving?

A 2 seconds

B 3 seconds

C 5 seconds



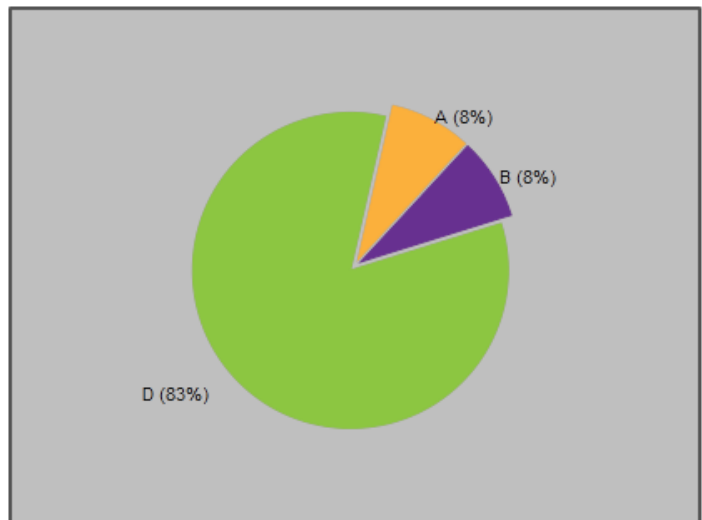
3 How many times did the object return to the reference position?

A 1

B 2

C 3

D 4



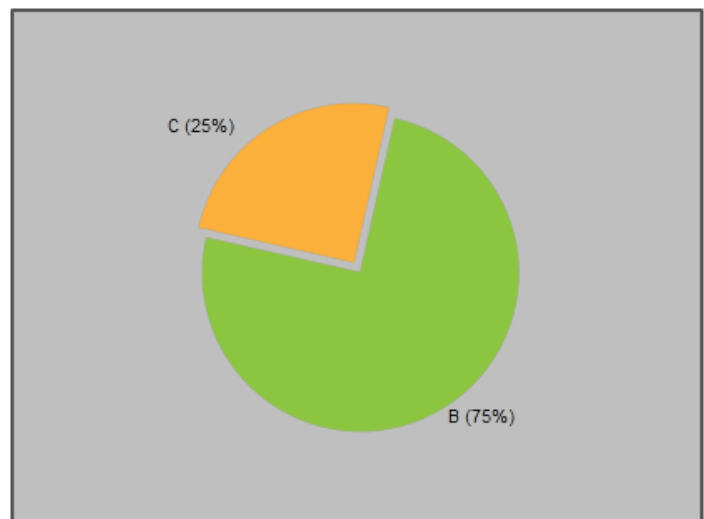
4 Calculate the distance traveled in the first 10 seconds.

A -5 m

B 25 m

C 15 m

D 5 m



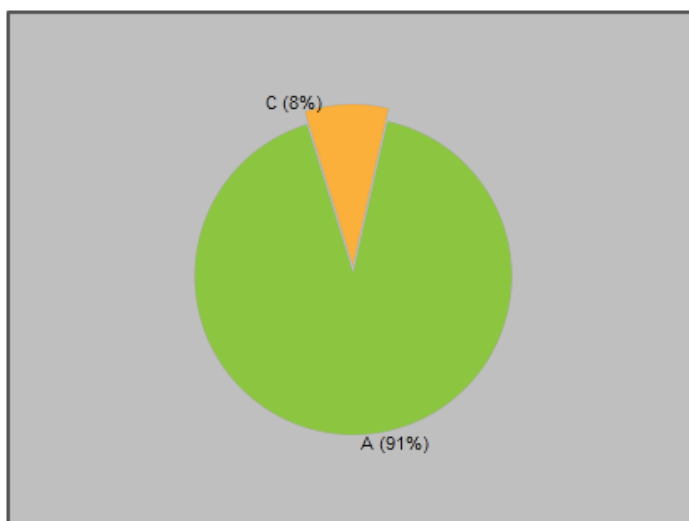
5 For what length of time was the object traveling south?

A 9 s

B 6 s

C 5 s

D 3 s

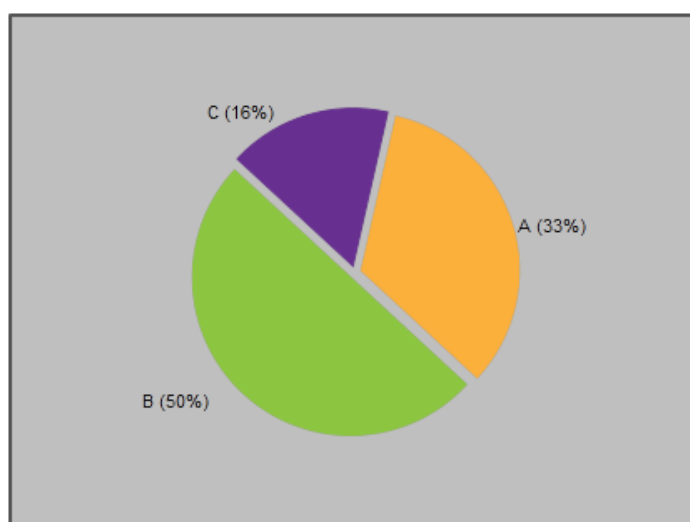


6 Calculate the instantaneous velocity at the 7 second mark.

A 2 m/s [N]

B -2 m/s [N]

C 2 m/s





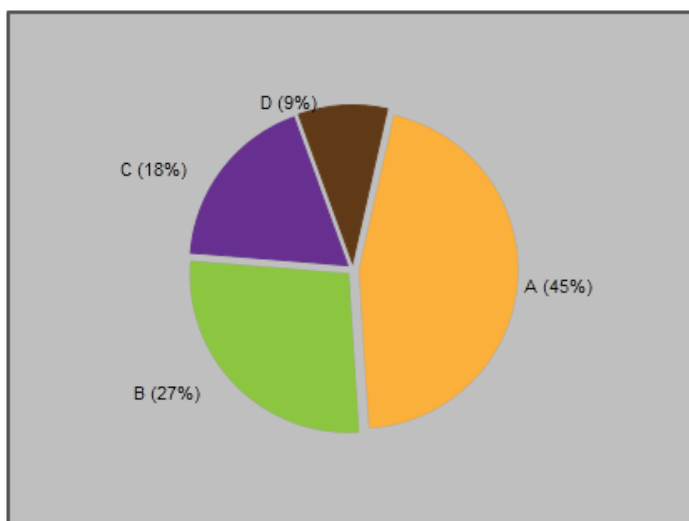
7 Calculate the average speed between 3 and 13 seconds.

A -1 m/s

**B 1 m/s**

C -2 m/s

D 2 m/s



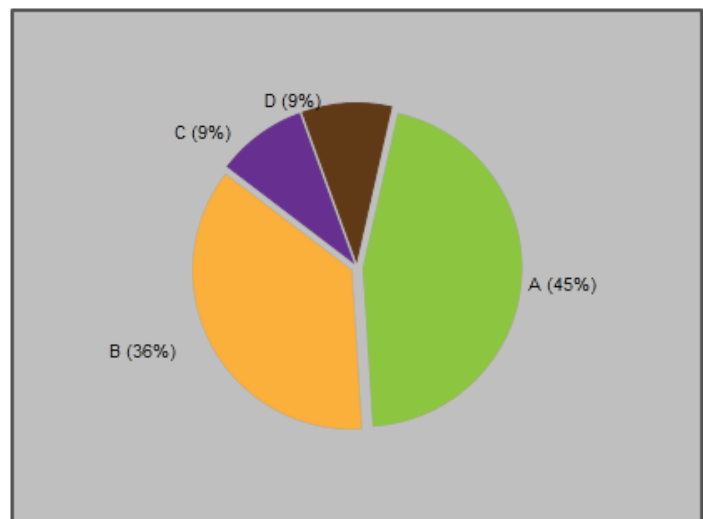
8 Calculate the average velocity between 5 and 16 seconds.

A 0.18 m/s [N]

B 5.5 m/s [N]

C -0.18 m/s [N]

D -5.5 m/s [N]



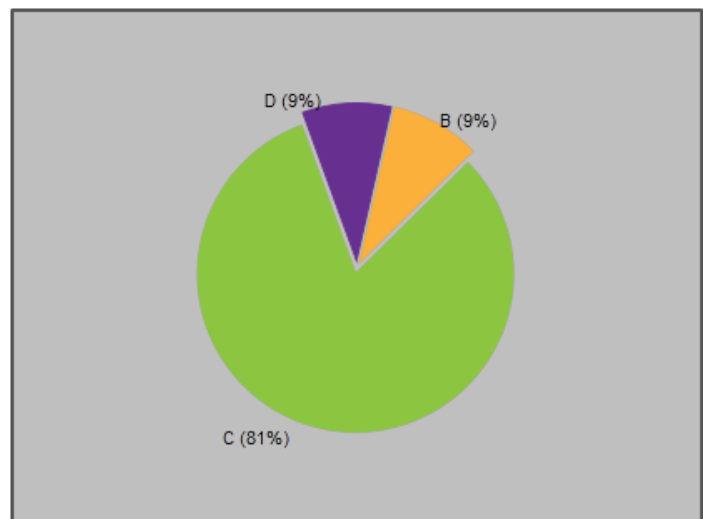
9 Calculate the average speed between 5 and 16 seconds.

A 22 m/s

B 11 m/s

C 2.0 m/s

D 0.5 m/s



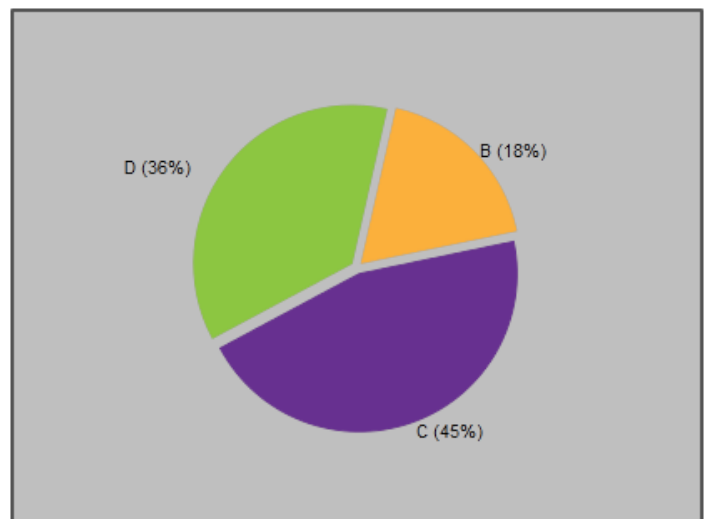
10 Calculate the average velocity for the entire 20 seconds.

A -0.25 m/s

B 0.25 m/s

C -0.25 m/s [N]

D 0.25 m/s [N]



## Reading Review

Annotate or create your own review notes. Jot down questions you have or something you don't understand to be pair-shared or to ask me.

Read pages 35 - 37 of MHR.

Read page 41 of MHR - write answers to the conceptual problems.

Read pages 47 - 49, 51, 52.