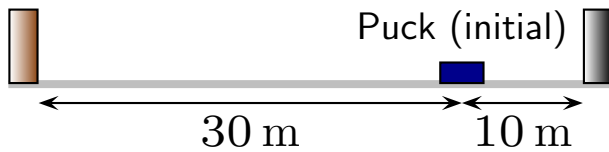


Question 1

A hockey puck is initially at the indicated location and slides to the right, striking a fixed black board at 2 s later. It bounces back and travels left, eventually striking a brown board at 8 s after it has struck the black board.

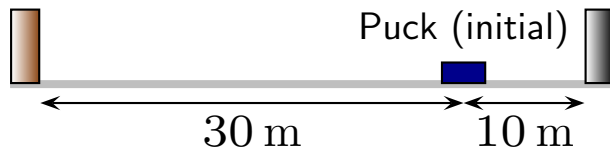


What is the average velocity of the puck from initial moment until it strikes the black board?

1. -5 m/s
2. -1 m/s
3. 0 m/s
4. 1 m/s
5. 5 m/s

Question 2

A hockey puck is initially at the indicated location and slides to the right, striking a fixed black board at 2 s later. It bounces back and travels left, eventually striking a brown board at 8 s after it has struck the black board.

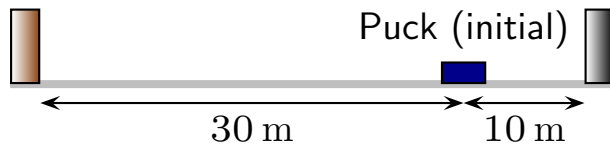


What is the average velocity of the puck from the moment it bounces off the black board until it strikes the brown board?

1. -5 m/s
2. -4 m/s
3. 0 m/s
4. 4 m/s
5. 5 m/s

Question 3

A hockey puck is initially at the indicated location and slides to the right, striking a fixed black board at 2 s later. It bounces back and travels left, eventually striking a brown board at 8 s after it has struck the black board.

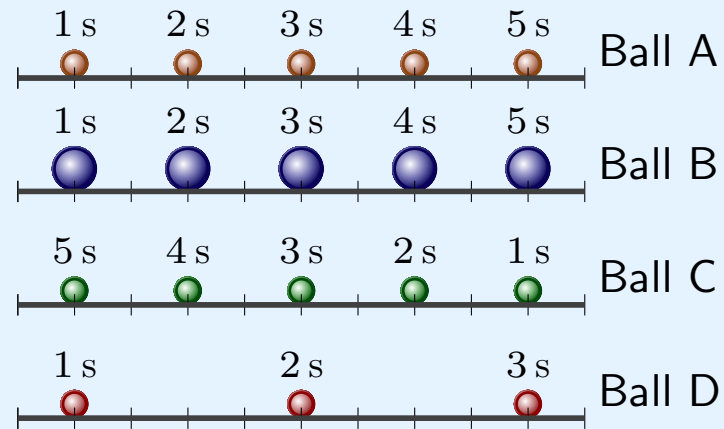


What is the average velocity of the puck from the initial moment until it strikes the brown board?

1. -5 m/s
2. -3 m/s
3. 0 m/s
4. 3 m/s
5. 5 m/s

Warm Up Question 1

Various balls move along a straight horizontal path as illustrated. Photographs of the balls at intervals spaced 1 s apart are provided. Rank the balls in terms of increasing velocity.



1. $C < A = B < D$
2. $C = A = B < D$
3. $C = A < B < D$

Warm Up Question 2

A ball is observed while sliding down a straight ramp. A graph of position versus time gives a parabola. Describe whether or not this is uniform motion. Explain your answer.

1. No, uniform motion has a straight line graph.
2. No, position changes at a greater rate later.

Question 4

Congratulations! You now know how to navigate the course website (**Bookmark the link!**). What well-known city does this photograph show?

