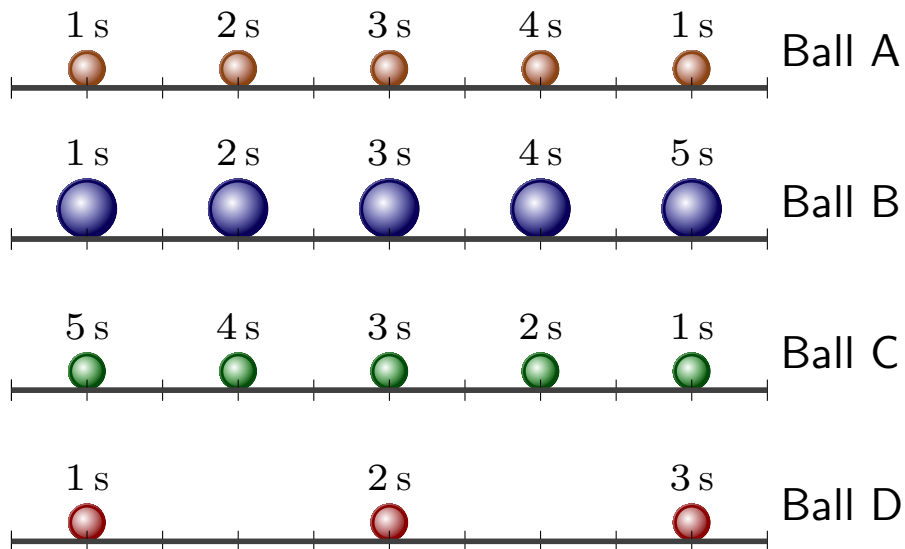


Question 1

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

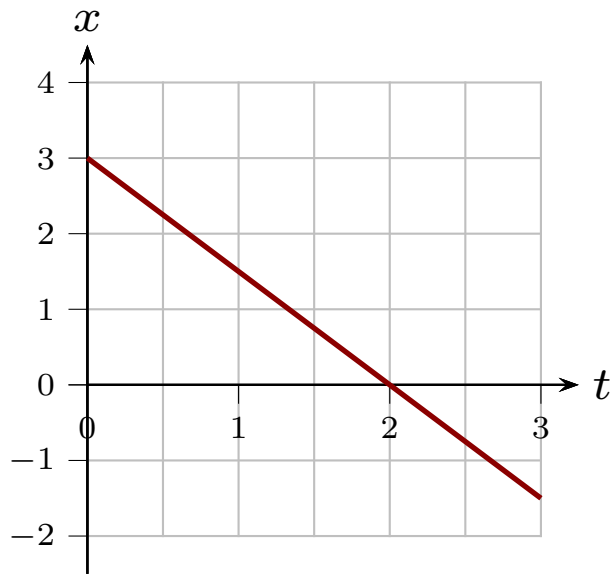


Which of the following is the correct rank of the speeds of the balls?

1. All have the same speed.
2. A and C same, B larger, D even larger.
3. A, B, C same, D larger.
4. A, B, C same, D smaller.
5. C smallest, A and B same, D largest.

Question 2

A hockey puck moves in such a way that a graph of its position vs. time is as illustrated.

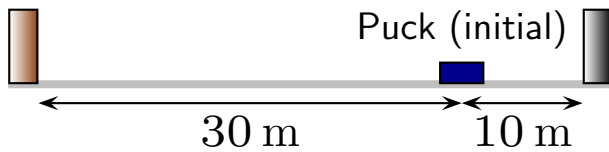


Which of the following best represents a motion diagram for the puck?

- 1.
- 2.
- 3.
- 4.
- 5.

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 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 4

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

