

- 9** A ball collides with a wall. Before the collision, the ball moves with velocity 8 m s^{-1} to the right. After the collision, it moves with velocity 3 m s^{-1} to the left.

What is the change in velocity of the ball during the collision?

- A** 5 m s^{-1} to the left
- B** 5 m s^{-1} to the right
- C** 11 m s^{-1} to the left
- D** 11 m s^{-1} to the right