

- 30** Two progressive sound waves move in opposite directions and superpose to form a stationary wave.

Which statement describes an antinode of this stationary wave?

- A** a position where the phase difference between the two waves is always 0°
- B** a position where the phase difference between the two waves is always 180°
- C** a position where the stationary wave has maximum amplitude
- D** a position where the stationary wave has minimum amplitude