

- 15** Consider a tube of length 32.8 cm which is open at both ends. When a vibrating tuning fork is held close to one end of the tube, a loud sound is detected.

Given the velocity of sound in air is 345 m s^{-1} , what is the frequency of vibration of the fork?

- A** 789 Hz
- B** 526 Hz
- C** 263 Hz
- D** 175 Hz