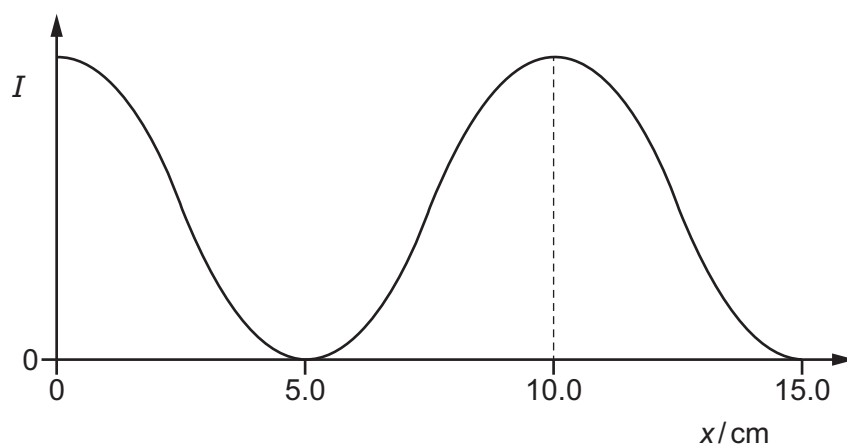


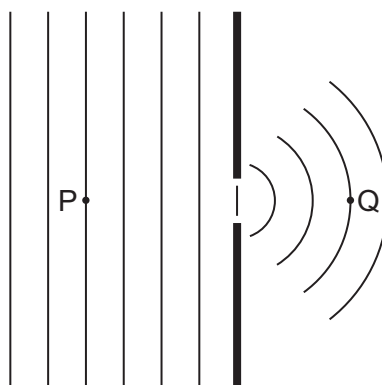
- 27** The variation with distance x of the intensity I along a stationary sound wave in air is shown by the following graph.



The speed of sound in air is 340 m s^{-1} .

What is the frequency of the sound wave?

- A** 1700 Hz **B** 2270 Hz **C** 3400 Hz **D** 6800 Hz
- 28** Plane wavefronts in a ripple tank pass through a gap as shown.



Which property of the wave will be different at Q compared with P?

- A** velocity
B frequency
C amplitude
D wavelength

Space for working