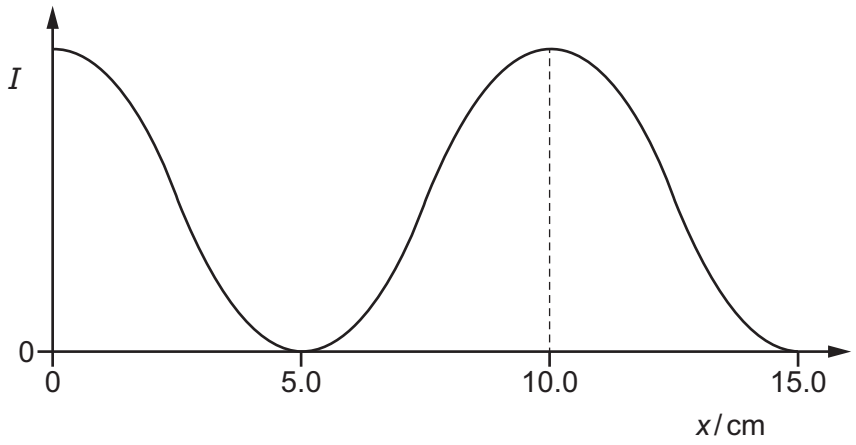
27 The variation with distance x of the intensity I along a stationary sound wave in air is shown by the following graph.

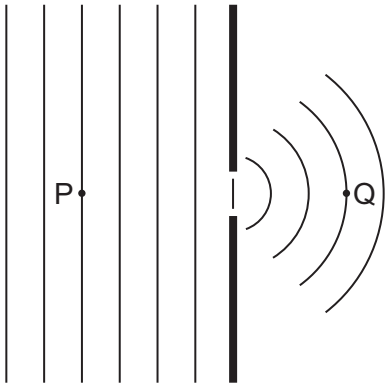


The speed of sound in air is $340\,m\,s^{-1}$.

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