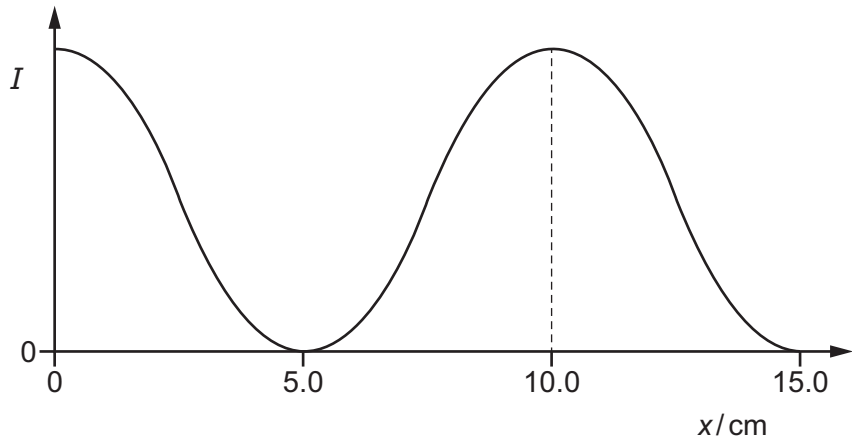


- 27** The variation with distance  $x$  of the intensity  $I$  along a stationary sound wave in air is shown by the following graph.



The speed of sound in air is  $340\text{ ms}^{-1}$ .

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