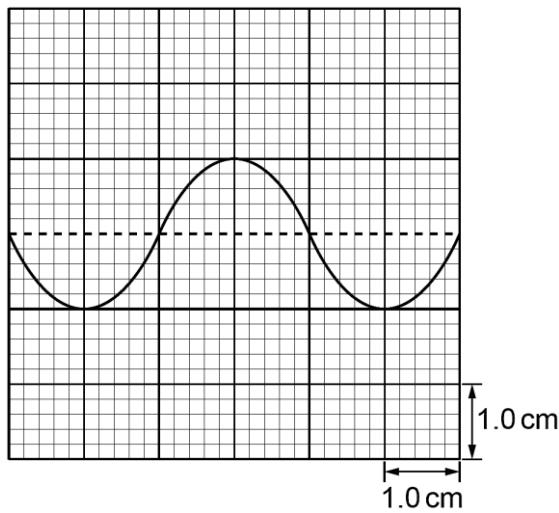


- 15** A microphone and a cathode-ray oscilloscope (CRO) are used to analyse a sound wave. The trace is displayed on the screen of the CRO as shown.



The speed of sound is 330 m s^{-1} and the CRO has a time-base setting of $4.0 \times 10^{-5} \text{ s cm}^{-1}$.

What is the wavelength of the sound wave?

- A** 1.3 cm **B** 2.6 cm **C** 4.0 cm **D** 5.3 cm

[Turn over]