

- 10** A sound wave of frequency 400 Hz is travelling in air at a speed of 320 m s^{-1} . What is the difference in phase between two points on the wave 0.20 m apart in the direction of travel?

A $\frac{\pi}{5}$

B $\frac{\pi}{4}$

C $\frac{\pi}{2}$

D $\frac{4\pi}{5}$