

- 18** The frequency of a water wave is 400 Hz and its speed is  $36 \text{ m s}^{-1}$ .

What is the phase difference between the motions of two points on the wave that are 0.18 m apart?

- A**  $0.50\pi$       **B**  $1.0\pi$       **C**  $2.0\pi$       **D**  $2.5\pi$