

**18** Two points on a sinusoidal wave of wavelength  $\lambda$  have a phase difference of  $\phi$  rad.

What is the shortest distance apart for these points, measured in the direction of progress of the wave?

A  $\lambda\phi$

B  $\frac{\lambda}{\phi}$

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

D  $\frac{\lambda\phi}{2\pi}$