21 A wave of frequency 15 Hz travels at $24\,\text{m}\,\text{s}^{-1}$ through a medium.

What is the phase difference between two points 2.0 m apart?

A There is no phase difference.

B They are out of phase by a quarter of a cycle.

C They are out of phase by half a cycle.

D They are out of phase by 0.80 of a cycle.