17   A wave of frequency 27 Hz travels at 48 m 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 one-eighth of a cycle.

   D   They are out of phase by 0.78 of a cycle.