

25 A wave of frequency 15 Hz travels at 24 m s^{-1} through a medium.

What is the phase difference between two points 2 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 0.8 of a cycle.

26 A wave of amplitude a has an intensity of 3.0 W m^{-2} .