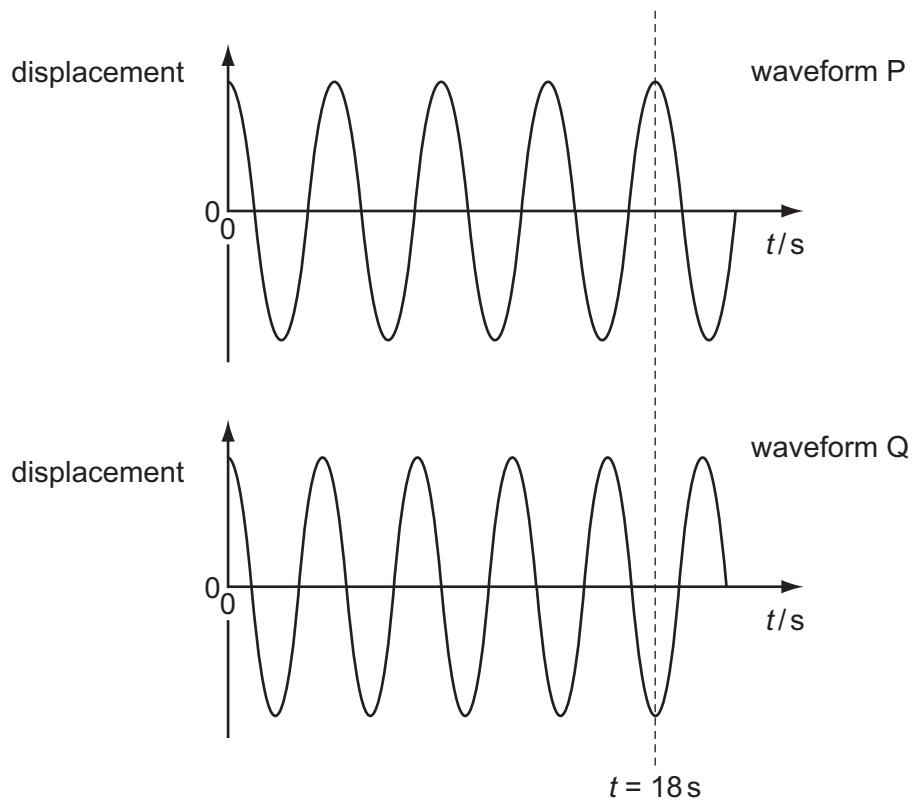


26 The diagram shows two sinusoidal waveforms.



At time $t = 0$ the waves are in phase. At the dotted line, $t = 18\text{ s}$.

At which time is the phase difference between the two oscillations $\frac{1}{8}$ of a cycle?

- A** 4.0 s **B** 4.5 s **C** 8.0 s **D** 9.0 s

Space for working