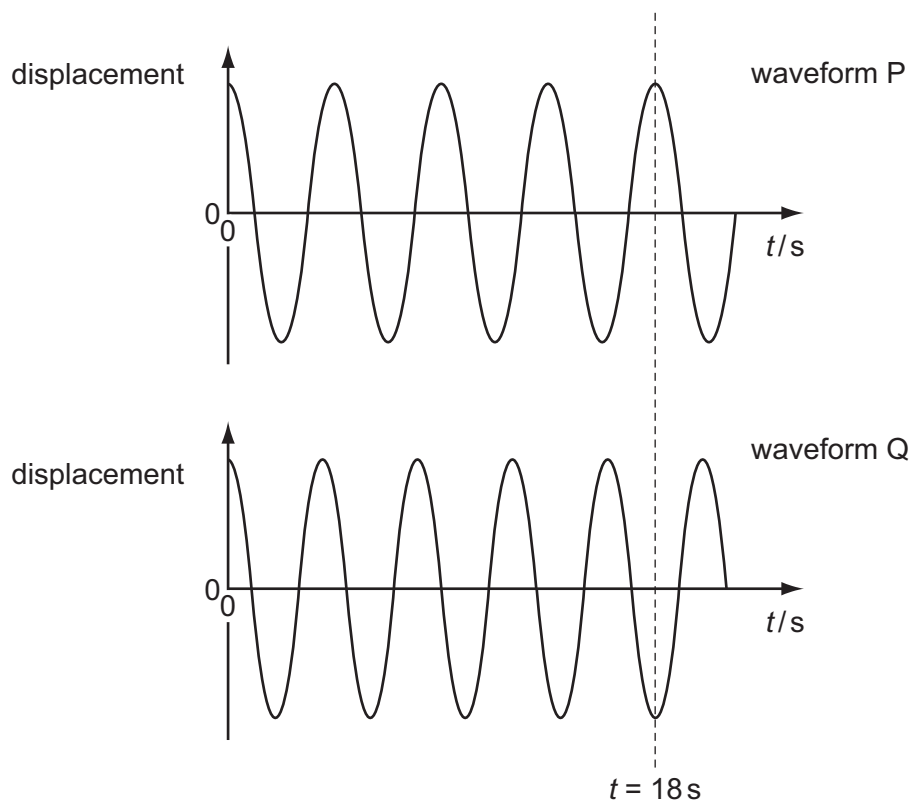


26 The diagram shows two sinusoidal waveforms.



At time  $t = 0$  the waves are in phase. At the dotted line,  $t = 18$  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**