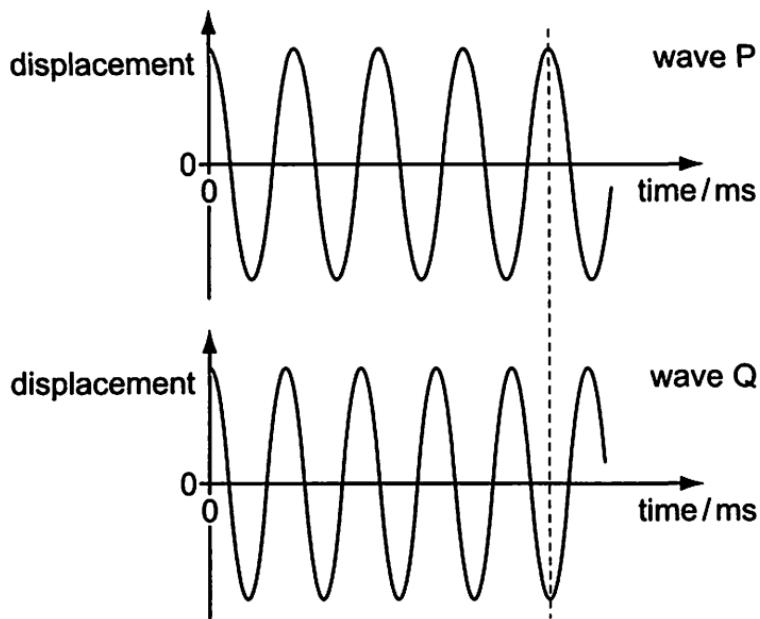


- 18 The diagram shows the displacement-time graphs of two pure sound waves P and Q at a point in space. The graphs have the same scales for the time axes.



The frequency of Q is 125 Hz. The waves are in phase at time  $t = 0$ .

At what time are the waves next in phase?

A 32 ms

B 36 ms

C 64 ms

D 72 ms