

- 17** Two sound waves have equal amplitude at point P. One of the waves has frequency 480 Hz and the other has frequency 482 Hz. At time $t = 0$, the resultant of the two waves is maximum at point P.

At which sequence of times is the resultant of the two waves zero at point P?

- A** 0.25 s, 0.50 s, 0.75 s, 1.00 s
- B** 0.25 s, 0.75 s, 1.25 s, 1.75 s
- C** 0.50 s, 1.00 s, 1.50 s, 2.00 s
- D** 1.00 s, 3.00 s, 5.00 s, 7.00 s

