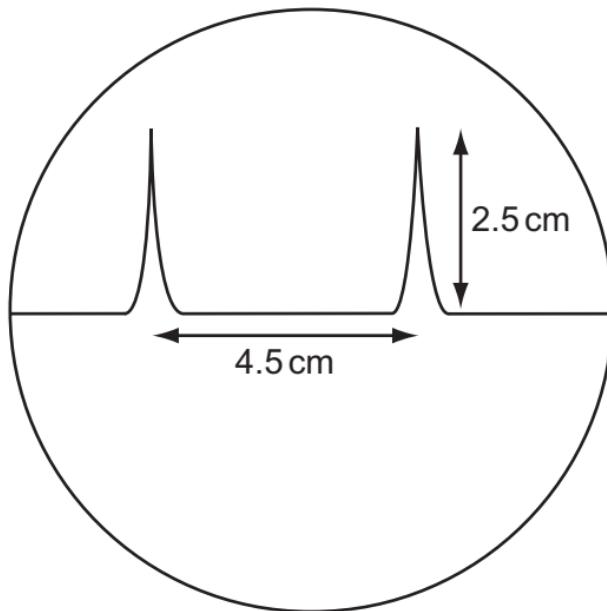


- 5 The time-base on a cathode-ray oscilloscope is set at 6 ms/cm.

A trace consisting of two pulses is recorded as shown in the diagram.



What is the time interval between the two pulses?

- A** 0.42 ms      **B** 0.75 ms      **C** 1.33 ms      **D** 27 ms

- 6 A bullet is fired horizontally with speed  $v$  from a rifle. For a short time  $t$  after leaving the rifle, the