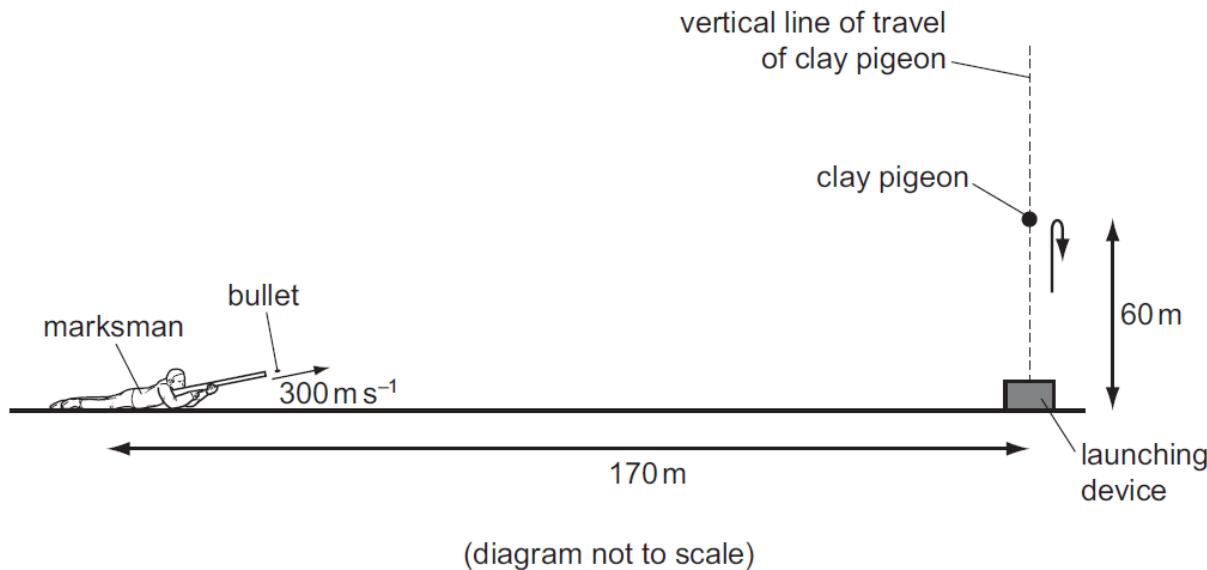


- 4 A clay pigeon is launched vertically into the air from the ground.



A marksman lies 170 m away from the launching device on level ground. Just as the clay pigeon reaches its maximum height of 60 m, the marksman fires a bullet aimed directly at the clay pigeon. The bullet leaves the rifle with a speed of 300 m s^{-1} . Assume air resistance is negligible.

At what time after the bullet is fired is the clay pigeon hit?

- A** 0.17 s
- B** 0.57 s
- C** 0.60 s
- D** 1.66 s

