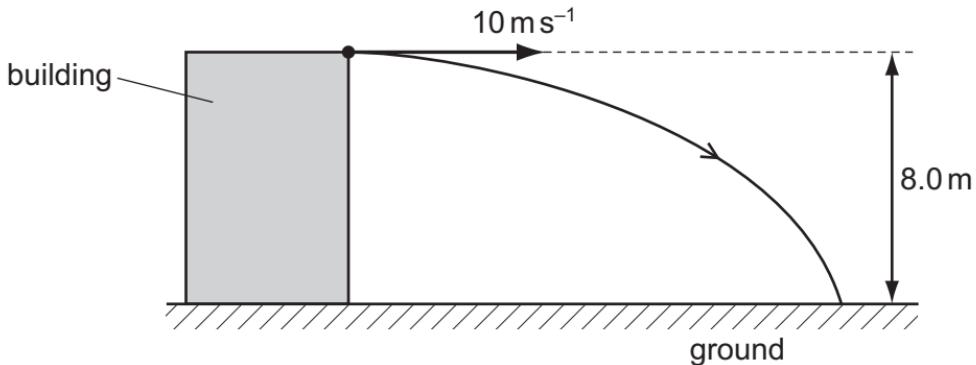


- 9 A boy throws a stone with a horizontal velocity of 10 m s^{-1} from the top of a building. The height of the building is 8.0 m. The stone travels along a curved path until it hits the ground, as shown in the diagram.



How long does it take the stone to reach the ground? (Air resistance can be neglected.)

- A** 0.61 s **B** 0.80 s **C** 1.3 s **D** 1.6 s