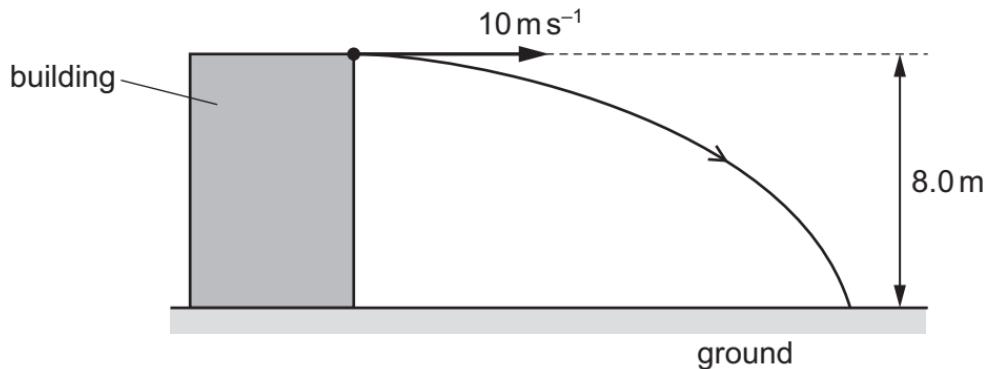


- 4 A boy throws a stone with a horizontal velocity of 10 ms^{-1} from the top of a building. The height of the building is 8.0 m. The stone travels along a curved path until it hits the horizontal ground, as shown.



Air resistance is negligible.

How long does it take the stone to reach the ground?

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