

- 2** Ball A is projected horizontally at 2.0 m s^{-1} from the top of a vertical cliff while Ball B is released from rest 1.0 s later from the same point. It took Ball B 3.5 s to reach the base of the cliff.

How far from the base of the cliff will Ball A hit the ground?

A 7.0 m

B 9.0 m

C 53 m

D 67 m