

- 3** On a stationary ship, a golf ball is struck so that it flies off horizontally from the edge of the deck of the ship at a speed of 72 m s^{-1} and lands in the sea at a horizontal distance of 220 m.

Assuming air resistance to be negligible, what is the vertical height of the deck above the sea?

- A** 15 m
- B** 30 m
- C** 46 m
- D** 92 m