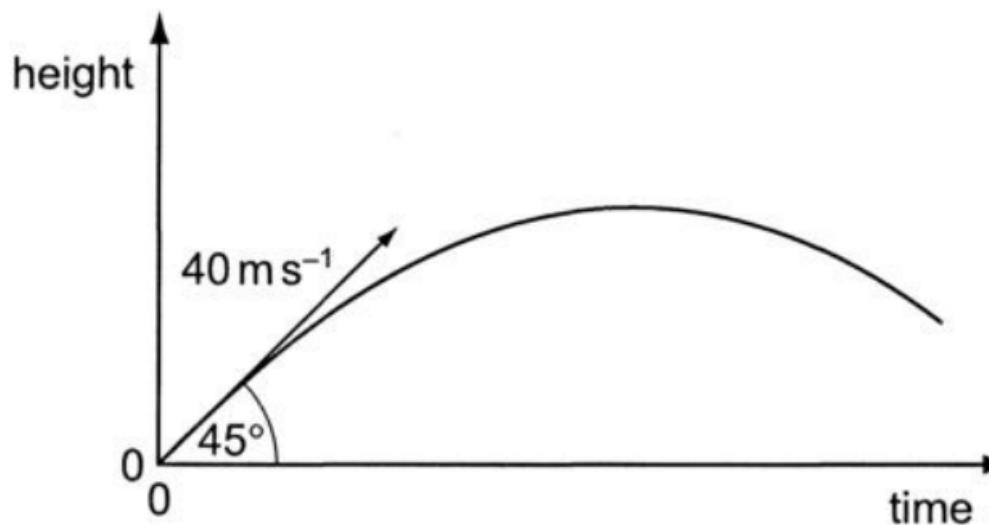


- 5 An object is projected with velocity 40 m s^{-1} at an angle of 45° to the horizontal. Air resistance is negligible.



What is the speed of the object after 5.0 s?

- A 21 ms^{-1} B 28 ms^{-1} C 35 ms^{-1} D 49 ms^{-1}

- 6 An object in a space capsule orbiting the Earth seems to be floating.