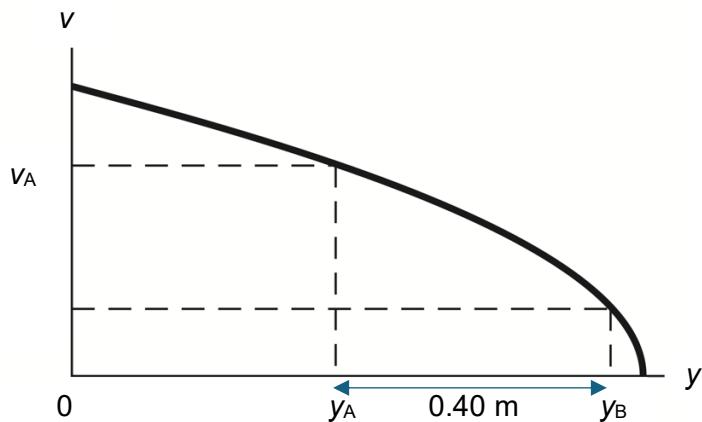


- 3 The figure shows the variation of speed v with displacement y of a ball tossed directly upwards. The distance between y_A and y_B is 0.40 m. The speed at height y_A is v_A and the speed at y_B is $\frac{v_A}{3}$.



What is speed v_A ?

- A 2.6 m s^{-1} B 2.7 m s^{-1}
C 3.0 m s^{-1} D 8.9 m s^{-1}