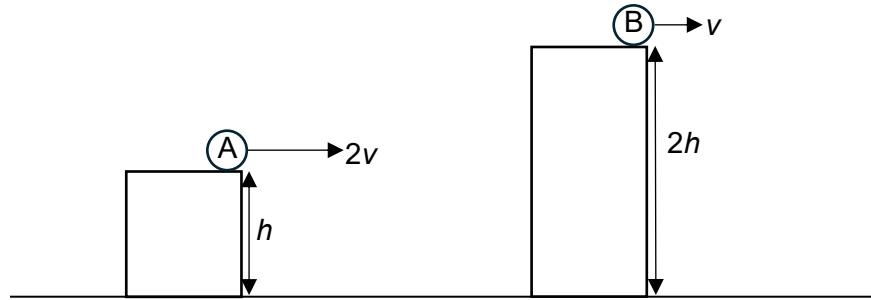


- 3 Ball A is projected horizontally with an initial velocity $2v$ from a height h above ground, while ball B is projected horizontally with an initial velocity v from a height $2h$ above ground.



If x_A is the horizontal displacement of ball A from the point of projection to the point of landing and x_B is the corresponding quantity for ball B, what is the ratio $\frac{x_A}{x_B}$?

- A 0.35 B 1.00 C 1.41 D 2.83