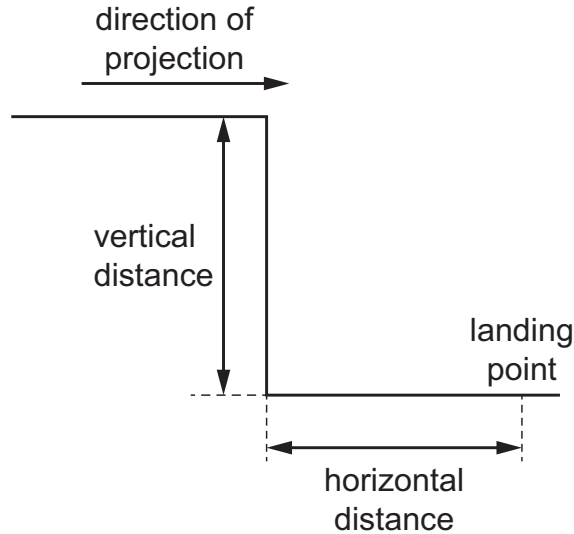


- 7 An object is projected horizontally. The object falls a vertical distance  $y$  and travels a horizontal distance  $x$  before landing on the ground.



A second object is projected horizontally with the same initial velocity and falls a vertical distance  $4y$  before landing on the ground.

Assume that air resistance is negligible.

Which horizontal distance does the second object travel?

- A**  $x$                       **B**  $2x$                       **C**  $4x$                       **D**  $16x$