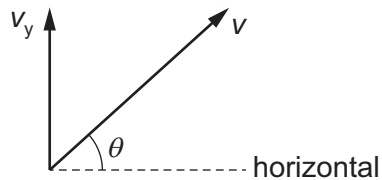


- 3** A tennis ball is hit so that it leaves the racket with velocity v at an angle θ to the horizontal.



The vertical component of the velocity is v_y .

What is the magnitude of the horizontal component of v ?

- A** $v \sin \theta$ **B** $v_y \cos \theta$ **C** $v_y \sin \theta$ **D** $(v^2 - v_y^2)^{\frac{1}{2}}$