

- 15** A particle oscillates with simple harmonic motion along a straight line with amplitude A . When the displacement of the particle from its equilibrium position is $\frac{A}{2}$, its speed is u .

What is the speed of the particle when it passes the equilibrium position?

- A** $\frac{2}{\sqrt{3}} u$ **B** $\sqrt{2} u$ **C** $\sqrt{3} u$ **D** $4 u$