

- 28** An electron is travelling in the  $x$  axis with a speed equal to 60% of the speed of light. The precision of measuring its speed is 0.50%.

What is the uncertainty in measuring the position of the electron along the  $x$  axis?

**A**  $8 \times 10^{-12} \text{ m}$       **B**  $8 \times 10^{-11} \text{ m}$       **C**  $8 \times 10^{-10} \text{ m}$       **D**  $8 \times 10^{-9} \text{ m}$