

- 28** An electron and a baseball have kinetic energies of 1.0 MeV and 100 J respectively. The percentage uncertainty in the measurement of their momenta is 1.0%.

What is the approximate ratio of the minimum uncertainty in the position of the electron to that of the baseball?

- A** 10^7 **B** 10^{14} **C** 10^{22} **D** 10^{44}