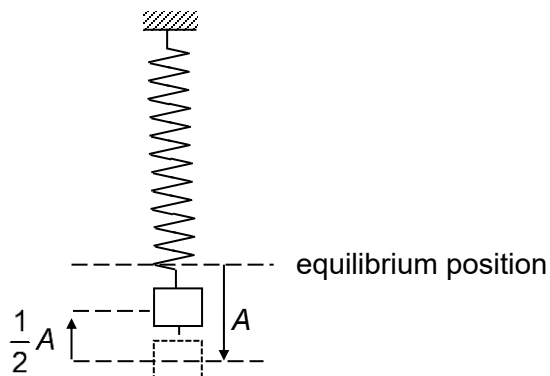


- 15 A mass suspended from a vertical spring is displaced vertically downwards by a distance A and released. It undergoes simple harmonic motion about the equilibrium position.



If the time taken for the mass to move through a distance of $\frac{1}{2}A$ from the point of release is τ , what is the period of the oscillation of the mass?

A 4τ

B 6τ

C 8τ

D 12τ