

15 A small mass suspended at the end of a helical spring is given a vertical displacement of 3.0 cm from its rest position and then released. The subsequent simple harmonic oscillation produced has a period of 2.0 s.

What is the distance moved by the mass in the first 0.75 s?

A 1.5 cm

B 2.1 cm

C 4.5 m

D 5.1 cm