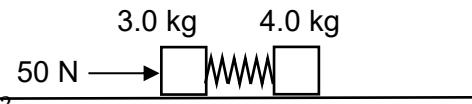


- 6 A 3.0 kg mass is connected to a 4.0 kg mass by a light spring with a spring constant of 250 N m^{-1} . The masses rest on a smooth floor. The two masses are moving with the same acceleration due to a constant horizontal force of 50 N applied on the 3.0 kg mass.



What is the compression of the spring?

A 0.11 m

B 0.14 m

C 0.20 m

D 0.22 m

