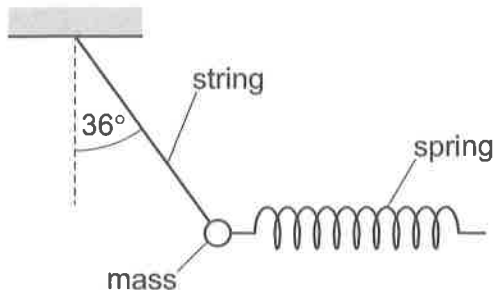


- 5 A mass is tied to the end of a string. The mass is pulled horizontally to one side by a spring of spring constant 25 N m^{-1} .

The mass is in equilibrium and the extension of the spring is 0.060 m . The string is at an angle of 36° to the vertical, as shown.



What is the weight of the mass?

- A** 1.1 N **B** 1.5 N **C** 1.9 N **D** 2.1 N

- 6 The gravitational field strength at the Earth's surface is 9.81 N kg^{-1} . Assume that the Earth is a