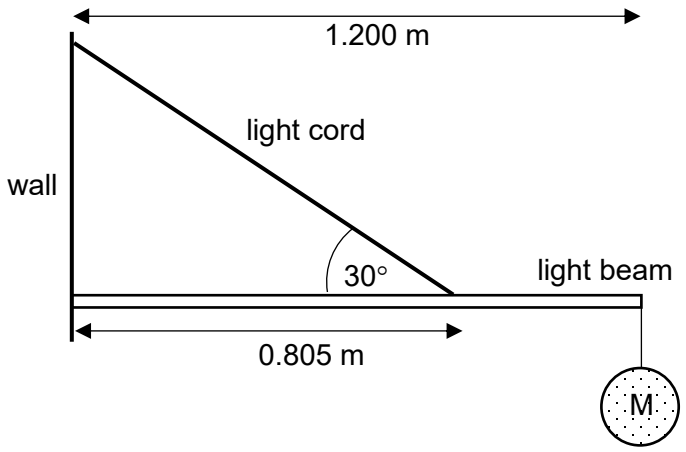
6 A 1.200 m light beam carries a mass M at one end. A light cord affixed to the wall is supporting the beam at 0.805 m from the wall as shown.



What is the maximum mass M that can be supported if the maximum allowed tension in the cord is 300 N?

A 10.3 kg **B** 17.8 kg **C** 20.5 kg **D** 30.5 kg