

- 9** An object of mass 5.0 kg has a weight of 8.2 N on the surface of the moon. The radius of the moon is R .

What is the gravitational field strength at a point $2.5R$ from the centre of the moon?

A 0.26 N kg^{-1}

B 0.61 N kg^{-1}

C 0.64 N kg^{-1}

D 1.6 N kg^{-1}