8 On the surface of the Earth, the gravitational force on an object is W.

What is the gravitational force on the object when it is at a height of $2R$ above the surface of the Earth, where R is the radius of the Earth?

A $\dfrac{W}{2}$ B $\dfrac{W}{3}$ C $\dfrac{W}{4}$ D $\dfrac{W}{9}$