**12** At a point on the surface of a uniform sphere of diameter $d$, the gravitational field strength due to the sphere is X.

What would be the gravitational field strength on the surface of a uniform sphere of the same density but of diameter $2d$?

**A** $\dfrac{X}{4}$          **B** $\dfrac{X}{2}$          **C** $2X$          **D** $4X$