

- 10** 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  $3d$ ?

**A**  $2X$

**B**  $3X$

**C**  $5X$

**D**  $8X$