

- 6** Liquid Q has twice the density of liquid R.

At depth x in liquid R, the pressure due to the liquid is 4 kPa.

At which depth in liquid Q is the pressure due to the liquid 9 kPa?

A $\frac{8x}{9}$

B $\frac{9x}{8}$

C $2x$

D $\frac{18x}{4}$