1 The speed v of a liquid leaving a tube depends on the change in pressure ΔP and the density ρ the liquid. The speed is given by the equation

$$v = k\left(\frac{\Delta P}{\rho}\right)^n$$

where k is a constant that has no unit.

What is the value of n?

A   0.5   **B**   1   **C**   1.5   **D**   2