

- 2 The Reynolds number R is a constant used in the study of liquids flowing through pipes. R is a pure number with no unit.

$$R = \frac{\rho v D}{\mu}$$

where ρ is the density of the liquid, v is the speed of the liquid and D is the diameter of the pipe through which the liquid flows.

What are the SI base units of μ ?

A kg m s

B $\text{kg m}^{-1} \text{s}$

C kg m s^{-1}

D $\text{kg m}^{-1} \text{s}^{-1}$

- 3 When a force F moves its point of application through a displacement s in the direction of the