1	When the brakes are applied on a vehicle moving at speed v , the distance d moved by the vehicle in coming to rest is given by the expression
	$d = kv^2$
	where <i>k</i> is a constant.

What is the unit of *k* expressed in SI base units?

- $\mathbf{A} \quad \mathbf{m}^{-1} \, \mathbf{s}^2$
- $\mathbf{B} \quad \mathrm{m \, s}^{-2}$
- $C m^2 s^{-2} D m^{-1} s$
- 2 Which list contains one vector quantity and two scalar quantities?
 - A displacement, weight, velocity
 - B force, acceleration, time
 - **C** momentum, mass, speed
 - **D** work, density, energy

Space for working