

**3** The momentum of an object of mass  $m$  is  $p$ .

Which quantity has the same base units as  $\frac{p^2}{m}$ ?

**A** energy

**B** force

**C** power

**D** velocity

**4** A thermometer can be read to an accuracy of  $\pm 0.5^\circ\text{C}$ . This thermometer is used to measure a