

**2** Which equation contains only scalar quantities?

**A**  $\text{acceleration} = \frac{\text{force}}{\text{mass}}$

**B**  $\text{power} = \frac{\text{work}}{\text{time}}$

**C**  $\text{pressure} = \frac{\text{force}}{\text{area}}$

**D**  $\text{velocity} = \frac{\text{displacement}}{\text{time}}$

**3** The time  $T$  taken for a satellite to orbit the Earth on a circular path is given by the equation