

**3** Which characteristics are possessed by a vector quantity but **not** by a scalar quantity?

**A** direction only

**B** magnitude and direction

**C** magnitude and unit

**D** unit only

**4** A circuit is shown in the diagram below. The battery is  $\mathcal{E} = 10\text{V}$ ,  $1.0\text{W}$  is the power dissipated in the