

**35** The potential difference across a component in a circuit is 2.0 V.

How many electrons must flow through this component in order for it to be supplied with 4.8 J of energy?

**A**  $2.6 \times 10^{18}$

**B**  $1.5 \times 10^{19}$

**C**  $3.0 \times 10^{19}$

**D**  $6.0 \times 10^{19}$

**Space for working**