

**32** A fixed resistor of resistance  $12\Omega$  is connected to a battery. There is a current of  $0.20\text{ A}$  in the resistor. The current is now doubled.

What is the new power dissipated in the resistor?

A  $0.48\text{ W}$

B  $0.96\text{ W}$

C  $1.9\text{ W}$

D  $4.8\text{ W}$

**33** There is a current in a resistor for an unknown time.