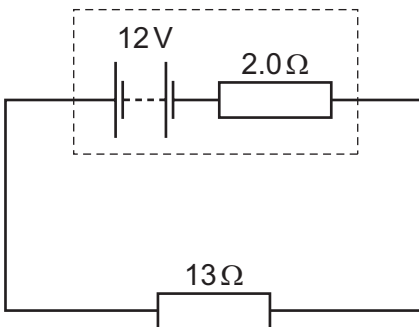


- 32** A power supply of electromotive force (e.m.f.)  $12\text{ V}$  and internal resistance  $2.0\ \Omega$  is connected in series with a  $13\ \Omega$  resistor.



What is the power dissipated in the  $13\ \Omega$  resistor?

- A**  $8.3\text{ W}$       **B**  $9.6\text{ W}$       **C**  $10\text{ W}$       **D**  $11\text{ W}$

**Space for working**