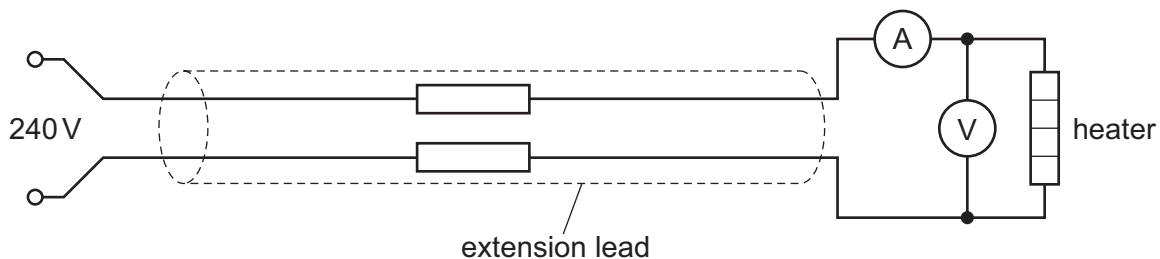


36 An extension lead is used to connect a 240 V electrical supply to a heater as shown.



A voltmeter measures the potential difference (p.d.) across the heater as 216 V and an ammeter measures the current through the heater as 7.7 A.

What is the total resistance of the extension lead?

- A** $3.1\ \Omega$ **B** $6.2\ \Omega$ **C** $28\ \Omega$ **D** $31\ \Omega$

Space for working