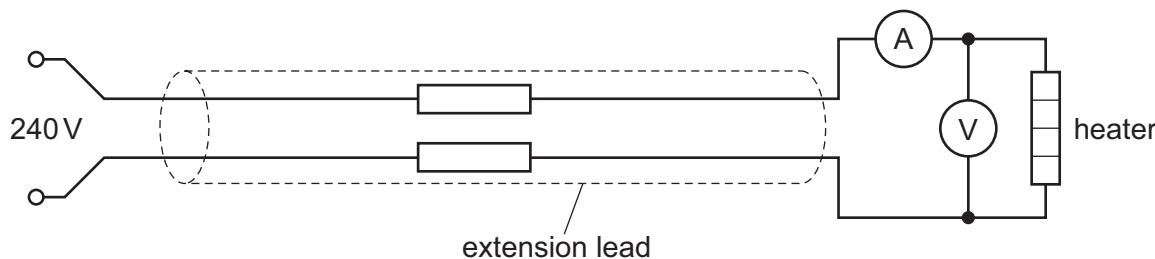


36 An extension lead is used to connect a 240 V electrical supply to a heater as shown.



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** 3.1Ω
- B** 6.2Ω
- C** 28Ω
- D** 31Ω

Space for working