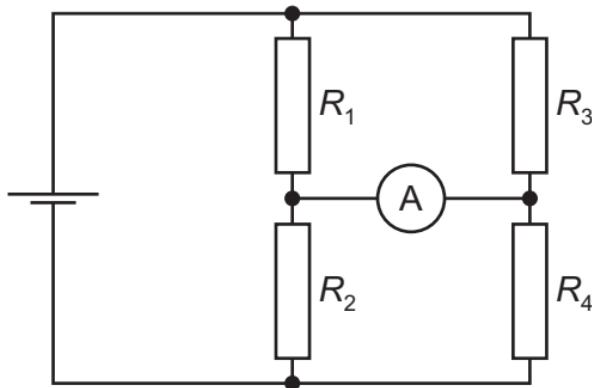


36 In the circuit shown, the reading on the ammeter is zero.



The four resistors have different resistances  $R_1$ ,  $R_2$ ,  $R_3$  and  $R_4$ .

Which equation is correct?

- A**  $R_1 - R_3 = R_2 - R_4$
- B**  $R_1 \times R_3 = R_2 \times R_4$
- C**  $R_1 - R_4 = R_2 - R_3$
- D**  $R_1 \times R_4 = R_2 \times R_3$

37 The diagram shows a circuit with resistors  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$  and  $R_5$ . In this circuit