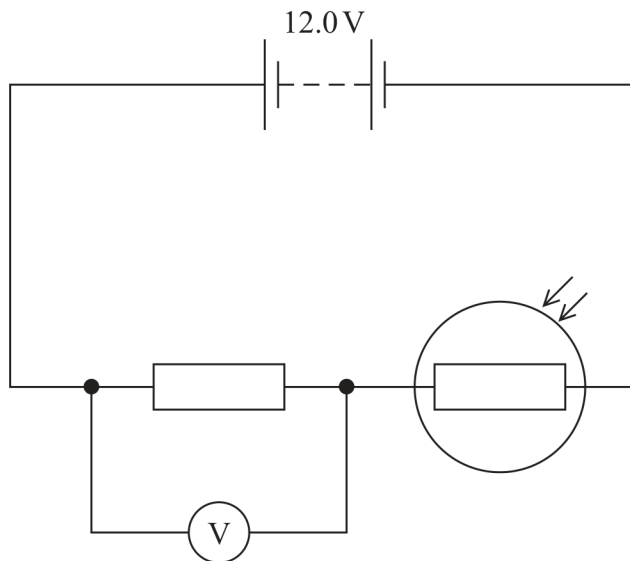


- 10 The circuit shows a potential divider, including a battery of negligible internal resistance and a light dependent resistor (LDR). The potential difference (p.d.) across the fixed resistor is measured using a voltmeter.



Which of the following statements about this circuit is correct?

- ☐ A If the resistance of the LDR halves, the voltmeter reading halves.
- ☐ B Increasing the light intensity would decrease the voltmeter reading.
- ☐ C Increasing the light intensity would have no effect on the voltmeter reading.
- ☐ D The voltmeter reading added to the p.d. across the LDR will always be 12.0 V.

(Total for Question 10 = 1 mark)