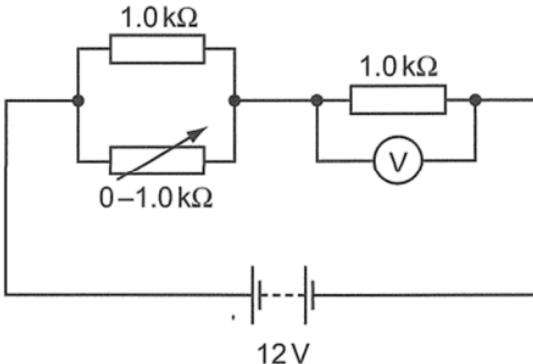


- 29 The diagram shows a resistor network connected to a 12 V battery of negligible internal resistance. The variable resistor has the range indicated, and the voltmeter has infinite resistance.



What are the maximum and minimum possible values of the voltmeter reading as the variable resistor is altered?

	maximum/V	minimum/V
A	4	0
B	8	4
C	8	6
D	12	8

- 30 A single-turn rectangular wire loop hangs from a balance reading in grams so that its lower part is