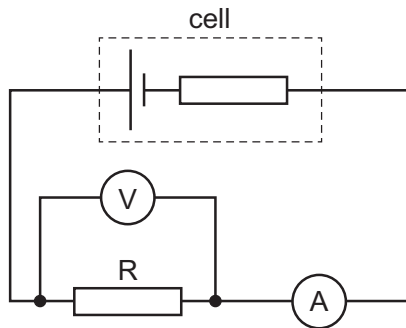


- 36** The circuit shown includes a cell of constant internal resistance and an external resistor R .



A student records the ammeter and voltmeter readings. She then connects a second identical external resistor in parallel with the first external resistor.

What happens to the ammeter reading and to the voltmeter reading?

	ammeter reading	voltmeter reading
A	decreases	decreases
B	decreases	stays the same
C	increases	decreases
D	increases	stays the same

- 37** A battery of electromotive force (e.m.f.) \mathcal{E} and negligible internal resistance is connected to a