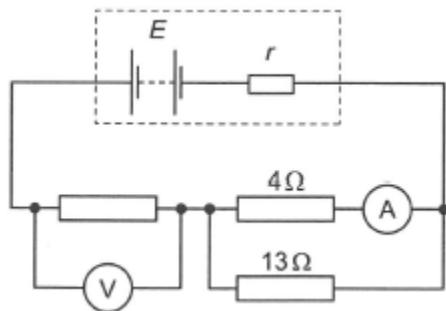


- 15** A battery of e.m.f. E and internal resistance r is connected to three resistors, a voltmeter and an ammeter, as shown.



The voltmeter reads 3.0 V, the ammeter reads 1.5 A, and the power loss in the internal resistance is 2.1 W. What is the e.m.f. of the battery?

- A** 8.2 V **B** 9.0 V **C** 9.9 V **D** 10.1 V