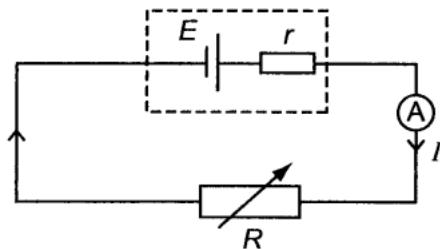


- 21 A battery of e.m.f. E and internal resistance r delivers a current I through a variable resistor R .



R is set at two different values and the corresponding currents I are measured using an ammeter of negligible resistance.

R / Ω	I / A
1.0	3.0
2.0	2.0

What is the value of the e.m.f. E ?

A 3.0 V

B 3.5 V

C 4.0 V

D 6.0 V