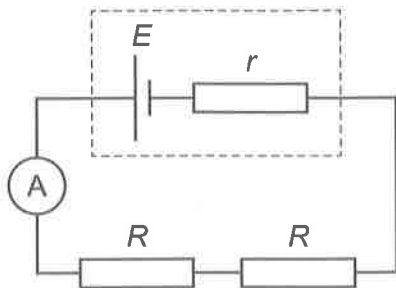
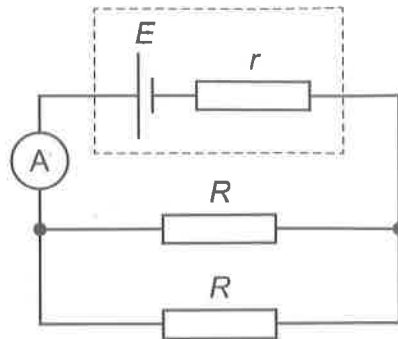


- 23 Two resistors, each of resistance R , are connected in series and then in parallel with a d.c. supply of electromotive force (e.m.f.) E and internal resistance r .



circuit 1



circuit 2

The ammeter reading in circuit 2 is three times the ammeter reading in circuit 1.

What is r ?

A $\frac{R}{4}$

B $\frac{R}{2}$

C R

D $2R$

- 24 A potential divider has a constant supply of 6.0 V, as shown in the diagram.