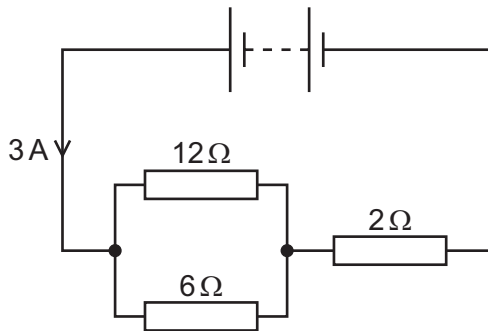


33 A battery is connected to three resistors of resistances 12Ω , 6Ω and 2Ω , as shown.



The current from the battery is 3 A .

What is the value of the ratio $\frac{\text{power dissipated in the resistor of resistance } 6\Omega}{\text{power dissipated in the resistor of resistance } 2\Omega}$?

A $\frac{1}{3}$

B $\frac{4}{3}$

C $\frac{2}{1}$

D $\frac{3}{1}$