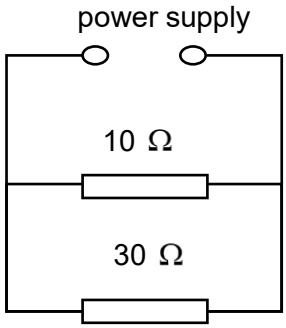
17 A circuit consists of a power supply in series with a 10 Ω resistor and a 30 Ω resistor connected in parallel as shown.



The total power dissipated in the resistors is P.

Which row correctly states the power dissipated in each resistor?

	Power dissipated in 10 Ω resistor	Power dissipated in 30 Ω resistor
A	$\frac{P}{4}$	$\frac{3P}{4}$
B	$\frac{3P}{4}$	$\frac{P}{4}$
C	$\frac{P}{10}$	$\frac{9P}{10}$
D	$\frac{9P}{10}$	$\frac{P}{10}$