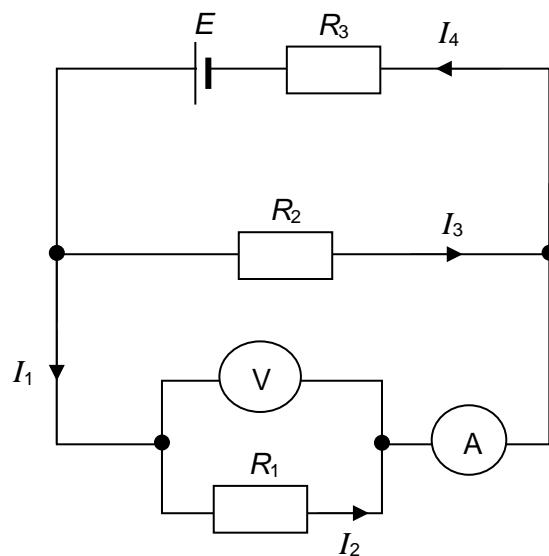


- 22** The figure below shows a circuit that comprises of a battery, 3 resistors, an ideal voltmeter and an ideal ammeter. The electromotive force (e.m.f.) of the battery is E .



Which of the following shows the correct expression for the ammeter reading and voltmeter reading?

	ammeter reading / A	voltmeter reading / V
A	I_1	$I_4R_3 + I_3 R_2$
B	$I_3 + I_4$	E
C	I_2	$E - I_4R_3$
D	$I_1 + I_3$	I_2R_1