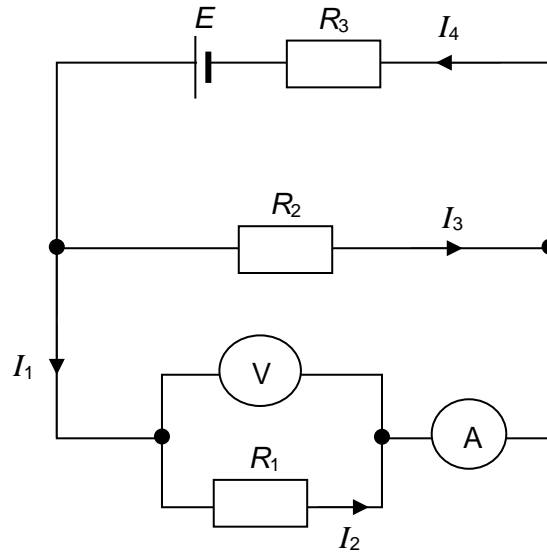


- 22** The figure below shows a circuit that comprises of a battery, 3 resistors, an ideal voltmeter and an ideal ammeter. The electromotive force (e.m.f.) of the battery is  $E$ .



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

	ammeter reading / A	voltmeter reading / V
<b>A</b>	$I_1$	$I_4 R_3 + I_3 R_2$
<b>B</b>	$I_3 + I_4$	$E$
<b>C</b>	$I_2$	$E - I_4 R_3$
<b>D</b>	$I_1 + I_3$	$I_2 R_1$