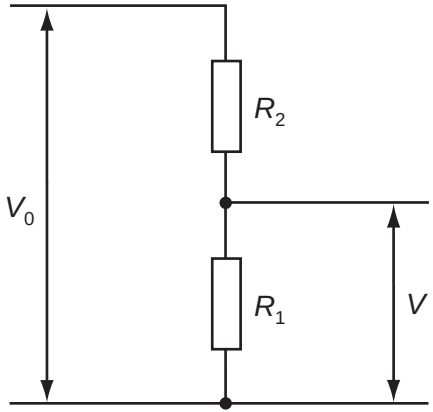
35 A potential divider consisting of resistors of resistance R_1 and R_2 is connected to an input potential difference of V_0 and gives an output p.d. of V.



What is the value of V?

A $\frac{V_0 R_1}{R_2}$ **B** $\frac{V_0 R_1}{R_1 + R_2}$ **C** $\frac{V_0 R_2}{R_1 + R_2}$ **D** $\frac{V_0 (R_1 + R_2)}{R_1}$