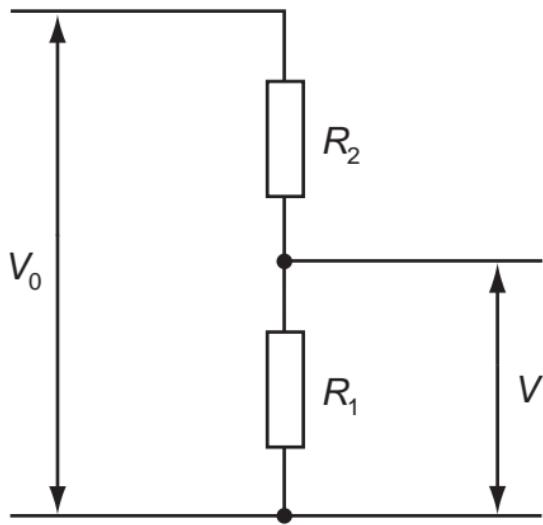


- 35 A potential divider consisting of resistors of resistance R_1 and R_2 is connected to an input potential difference of V_0 and gives an output p.d. of V .



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 $\frac{V_0 (R_1 + R_2)}{R_1}$

- 36 A network of resistors consists of two $3.0\ \Omega$ resistors and three $6.0\ \Omega$ resistors.