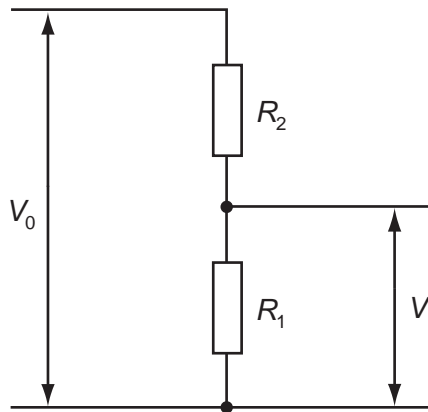


- 35 A potential divider consisting of resistors of resistance  $R_1$  and  $R_2$  is connected to an input potential difference of  $V_0$  and gives an output p.d. of  $V$ .



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  $2.0\ \Omega$  resistors and three  $6.0\ \Omega$  resistors.