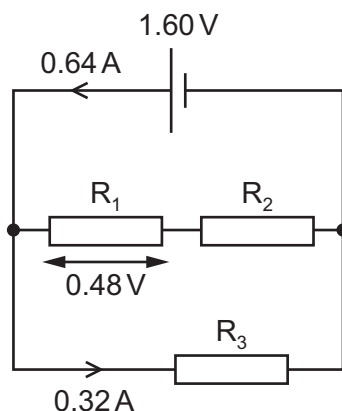


- 36** The diagram shows a circuit consisting of a cell and three resistors R_1 , R_2 and R_3 .



The cell has electromotive force (e.m.f.) 1.60 V and negligible internal resistance. The current in the cell is 0.64 A.

The potential difference across R_1 is 0.48 V.

The current in R_3 is 0.32 A.

What is the resistance of R_2 ?

- A** $1.5\ \Omega$ **B** $2.5\ \Omega$ **C** $3.5\ \Omega$ **D** $5.0\ \Omega$