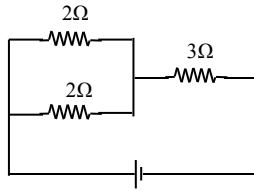
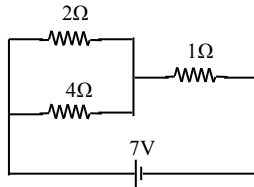


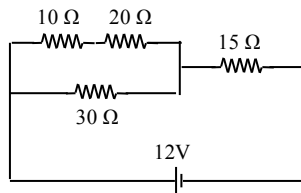
58. Calculate the equivalent resistance of the following compound circuit



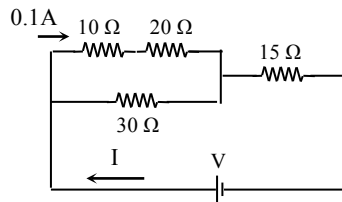
59. Calculate the equivalent resistance R and the total current I



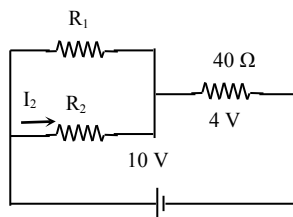
60. Calculate the equivalent resistance R and the total current I



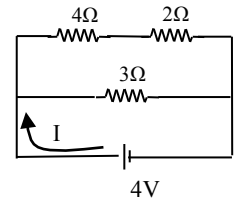
61. Calculate the the total current I and total voltage V.



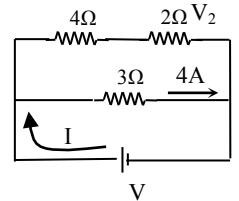
62. If $R_1 = R_2$, calculate the R_1 , I_2 , and the total current I.



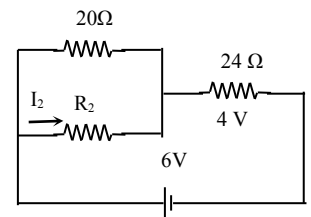
63. Calculate the equivalent resistance R and the total current I.



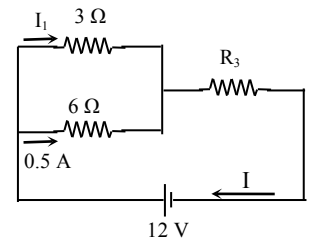
64. Calculate the the total current I, total voltage V and V_2 .



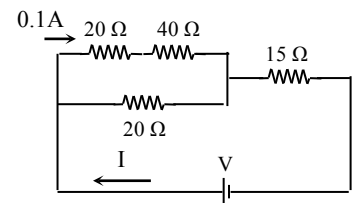
65. Calculate the R_2 , and I_2 .



66. Calculate the I_2 , R_3 , the total current I.



67. Calculate the the total current I and total voltage V.



68. Use the diagram to calculate a) the total resistance in the circuit, b) the total current through the circuit, c) the total power the circuit consume, and d) the current through R_2 . (where $R_1 = 10\Omega$, $R_2 = 30\Omega$, $R_3 = 30\Omega$, $R_4 = 15\Omega$, $V = 12V$)

