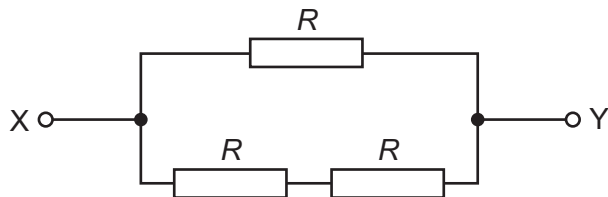


36 Three resistors, each of resistance R , are connected in a network, as shown.



The total resistance between points X and Y is $8.0\ \Omega$.

What is the value of R ?

A $2.7\ \Omega$

B $4.0\ \Omega$

C $5.3\ \Omega$

D $12\ \Omega$