

33 A metal wire of length 0.50 m has a resistance of  $12\Omega$ .

What is the resistance of a wire of length 2.0 m and made of the same material, but with half the diameter?

A  $12\Omega$

B  $48\Omega$

C  $96\Omega$

D  $192\Omega$

34 A student found two unmarked resistors. To determine the resistance of the resistors, the circuit