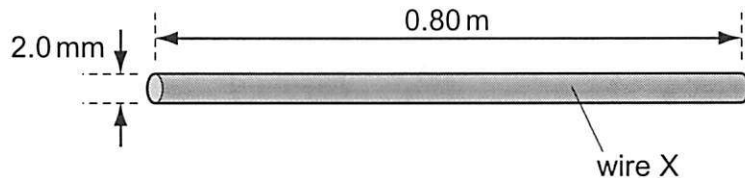


- 21 A metal wire X has a diameter of 2.0 mm and a length of 0.80 m.



Which wire, made of the same metal, would have the same resistance as wire X?

	diameter / mm	length / m
A	1.0	0.20
B	1.0	0.40
C	4.0	0.40
D	4.0	0.64

- 22 Four resistors with resistances of 2.0  $\Omega$ , 3.0  $\Omega$ , 6.0  $\Omega$  and 12.0  $\Omega$  are connected in series and parallel combinations.