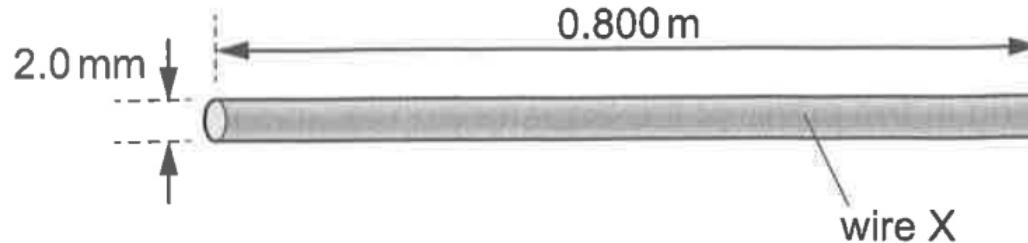


20 A metal wire X has a diameter of 2.0 mm and a length of 0.800 m.



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

	diameter/mm	length/m
A	1.0	0.200
B	1.0	0.400
C	4.0	0.400
D	4.0	0.640

21 Two 12V power supplies P and Q are each connected to heaters of the same constant