

- 7 A small metal cube, with sides of length x , is connected in a circuit. The current through the cube, between opposite faces, is I and the potential difference across the cube is V .

Which of the following gives the resistivity of the metal?

☐ A $\frac{Vx}{I}$

☐ B $\frac{V}{Ix}$

☐ C $\frac{Ix}{V}$

☐ D $\frac{I}{Vx}$

(Total for Question 7 = 1 mark)