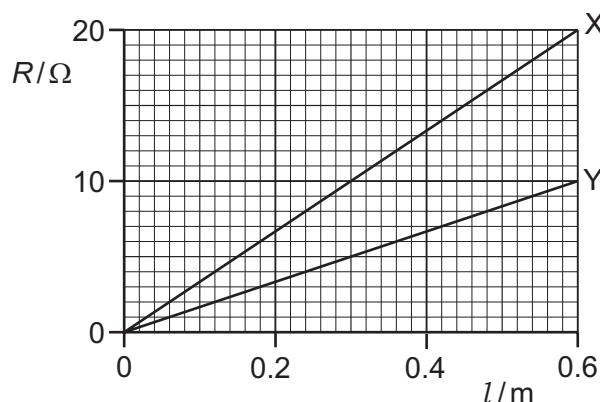


- 34 The graph shows the variation with length l of resistance R for two wires X and Y made from the same material.



What does the graph show?

- A cross-sectional area of X = 2 × cross-sectional area of Y
- B resistivity of X = 2 × resistivity of Y
- C when equal lengths of X and Y are connected in series to a battery, power in X = 2 × power in Y
- D when equal lengths of X and Y are connected in parallel to a battery, current in X = 2 × current in Y

Space for working