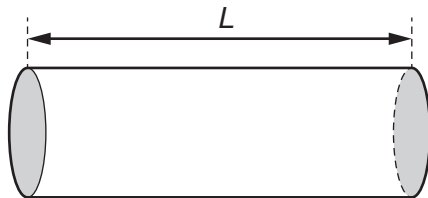**35** A piece of conducting putty (modelling clay) of constant resistivity is formed into a cylindrical shape.

The resistance R between its flat ends (shaded) is measured.

The same volume of putty is re-formed into cylinders of different lengths L, and the resistance R between the flat ends is measured for each value of L.

Which graph best shows the variation of R with L?