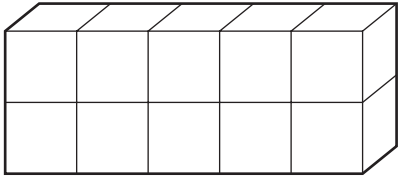
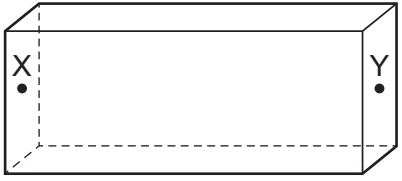
35 A metal cube has a resistance of 4.0 Ω between opposite faces.

Ten of these cubes are put together to make a cuboid of 1 × 2 × 5 cubes.





There is no extra resistance where the faces of the cubes touch each other.

What is the resistance of the cuboid when connected between faces X and Y?

A 1.6 Ω **B** 2.0 Ω **C** 10 Ω **D** 40 Ω