Most Repeated Questions in JEE Main Physics from Combination of resistors

Q: A wire of resistance R is bent into an equilateral triangle and an identical wire is bent into a square. The ratio of resistance between the two end points of an edge of the triangle to that of the square is
Q: A wire of resistance 9Ω is bent to form an equilateral triangle. Then the equivalent resistance across any two vertices will be ohm.
Q: The effective resistance between A and B, if resistance of each resistor is R, will be :
(A) 8R/3 (B) 4R/3 (C) 2/3R (D) 5R/3
Q: A wire of resistance 20Ω is divided into 10 equal parts, resulting pairs. A combination of two parts are connected in parallel and so on. Now resulting pairs of parallel combination are connected in series. The equivalent resistance of final combination is Ω .
Q: The equivalent resistance between A and B is :
(A) 18Ω (B) 27Ω (C) 19Ω (D) 25Ω
Q: Two resistance of 100Ω and 200Ω are connected in series with a battery of 4 V and negligible internal resistance. A voltmeter is used to measure voltage across 100Ω resistance, which gives reading as 1 V. The resistance of voltmeter must be Ω .
Q: Equivalent resistance between the adjacent corners of a regular n-sided polygon of uniform wire of resistance R would be :