

Easy Understand Series Circuit Problems

Easy Understand Series Circuit Problems - Chapter 5 - Series And Parallel Circuits. The first principle to understand about series circuits is that the amount of current is the same through any component in the circuit. This is because there is only one path for electrons to flow in a series circuit, and because free electrons flow through conductors like marbles in a tube,...This is the electronics questions and answers section on "Series Circuits" with explanation for various interview, competitive examination and entrance test. Solved examples with detailed answer description, explanation are given and it would be easy to understand.practice problem 4. Given the circuit below.... Calculate the equivalent resistance of the circuit. Calculate the current through the battery. Graph voltage as a function of location on the circuit assuming that $V_a = 0$ V at the negative terminal of the battery. Graph current as a function of location on the circuit. Because the current is the same anywhere on a series circuit, the answer is 0.8 amps. Be careful: you cannot use the circuit's total voltage drop 220V. Ohm's Law only works if you use values for the same portion of the circuit, and this problem does not tell you the total resistance of the circuit.