

Download Combination Circuits Worksheet Answer Key

Circuit Worksheet Answers side 1 For each of the given circuits, calculate the equivalent resistance. Then, calculate the total current. Finally, calculate the individual currents and voltages for each resistor. Circuit 1 R1 R2 R3 Vtotal R I V R1 3 ? 1 3 Vtotal = 9 v R2 3 ? 1 3 Itotal = 1 R3 3 ? 1 3 Rtotal = 9 Circuit 2 Vtotal R1 R2 R3 R I V ...Circuits Worksheet 1. Calculate the equivalent resistance of the following combination: $R_{eq} = \frac{16}{11}$ 2. Calculate the equivalent resistance of the following combination: $R_{eq} = \frac{12}{11}$ or 1.1 eq 3. Complete the table by calculating the total resistance of the following series circuit. Then

Circuit	Position	Voltage (V)	Current (A)	Resistance (?)			
1	10.0	2	20.0	3	30.0	Total	6.00

Questions 6 and 7 refer to the following: The diagram to the right represents an electric circuit consisting of four resistors and a 12-volt battery.type of circuit involves the dual use of series and parallel connections in a circuit; such circuits are referred to as compound circuits or combination circuits. The circuit depicted at the right is an example of the use of both series and parallel connections within the same circuit., Combination Circuits Worksheet Answer Key.

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