Connect the questions to their appropriate answers

1.	If the voltage across a resistor is 12 V and the resistance is 2 Ω, what is the current?	45V
2.	A circuit has a current of 3 A and a resistance of 15 Ω. What is the voltage across the resistor?	30V
3.	A circuit has a voltage of 10 V and a current of 2 A. What is the resistance?	2.4A
4.	If the voltage across a resistor is 24 V and the current flowing through it is 4 A, what is the resistance of the resistor?	6A
5.	In a circuit with a resistance of 8 Ω and a voltage of 16 V, what is the current?	2A
6.	A resistor of 50 Ω is connected to a 120 V battery. What is the current flowing through the resistor?	5Ω
7.	A device uses a current of 0.3 A and has a resistance of 100 Ω. What is the voltage across the device?	6Ω
8.	If the current is 0.75 A and the voltage is 15 V, what is the resistance?	3A
9.	A circuit has a 9 V battery and a 3 Ω resistor. How much current flows through the circuit?	15V
10.	If the voltage is 48 V and the resistance is 2.4 Ω, what is the current?	20 Ω.
11.	The 2 Ω resistor has 20 V across it, what is the current?	20A
12.	If the current through a resistor is 3 A and the resistance is 5 Ω, what is the voltage?	doubles
13.	What is the unit of resistance in Ohm's Law?	10A
14.	If the voltage is doubled while the resistance remains constant, what happens to the current?	Ω

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