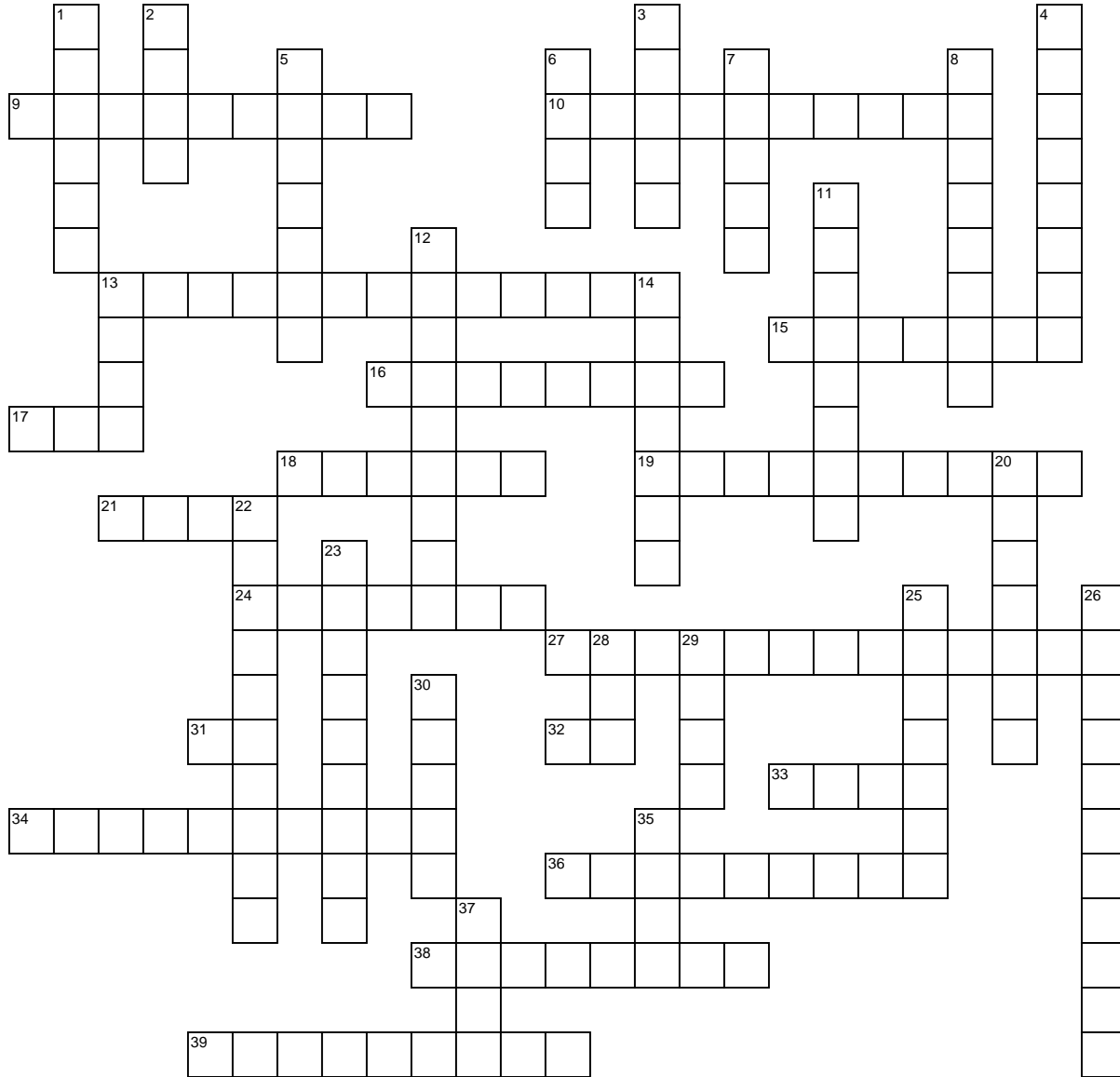


IBEW 1920 July Crossword Puzzle



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ACROSS

- 9 Isolating and removing all malfunctions.
- 10 A transducer that converts sound waves into equivalent electrical waves.
- 13 Electrical effects upon exposure to light, i.e., emission of electrons, generation of voltage and change in electrical resistance.
- 15 Power = _____ x current
- 16 Programs, routines, codes, and other written information for use with digital computers
- 17 Most volt and ammeters measure and provide the result the ____ value reading (equivalent DC heating factor), 70.7% of the peak value of a AC sine wave.
- 18 Never do anything _____.
- 19 _____ power (watts) = Mechanical Power (hp) x 746 wat
- 21 100 VDC is connect to two series 10 ohm resisitors and the load is ____ amps.
- 24 electrical flow through a conductor
- 27 When we replace a relay, we need to know the coil voltage and the switch _____ and amp rating.
- 31 Transformers are rated in _____.
- 32 Frequency Modulation
- 33 A circuit having two or more inputs and one output.
- 34 Resistance is the _____ to current flow.
- 36 Specified in Hertz (cycles per second)
- 38 Union Pacific
- 39 The science of sensing and meauring information by sensing conditions in a real-time environment, most commonly applied to electrical signal systems.

DOWN

- 1 100 VDC is connect to two parallel 100 ohm resisitors and the load is ____ amps .
- 2 A 2% tolerance output of a 200 volt DC power supply is +/- _____ volts.
- 3 A sine wave is a graphic plot of one _____ of AC voltage.
- 4 A _____ is a graphic plot of one cycle of AC voltage.
- 5 One megawatt equals _____ watts.
- 6 Current is measured in _____.
- 7 EMF is measured in _____.
- 8 A point of connection for two or more conductors in an electrical circuit.
- 11 One-thousand watts
- 12 A circuit circuit condition where inductive and capcitive reactance (or impedance) are equal or balanced.
- 13 Leads emerging from an Integrated Circuit (IC)
- 14 _____ flow in a conductor will create heat.
- 20 To increase curent or voltage.
- 22 Supplying with a potential, a charge, or a magnetic field
- 23 Connecting toa ground or a conductor which is grounded
- 25 32-volt locomotive DC power source
- 26 _____ brake - 90 psi
- 28 Unit of electrical resistance
- 29 A protective electrical device
- 30 Electricity can be changed to heat, light, _____, or magnetism.
- 35 Everytime you change the scale on an analog meter, you must _____ the meter.
- 37 Unit of electrical power, named after Scottish inventor of the steam engine.