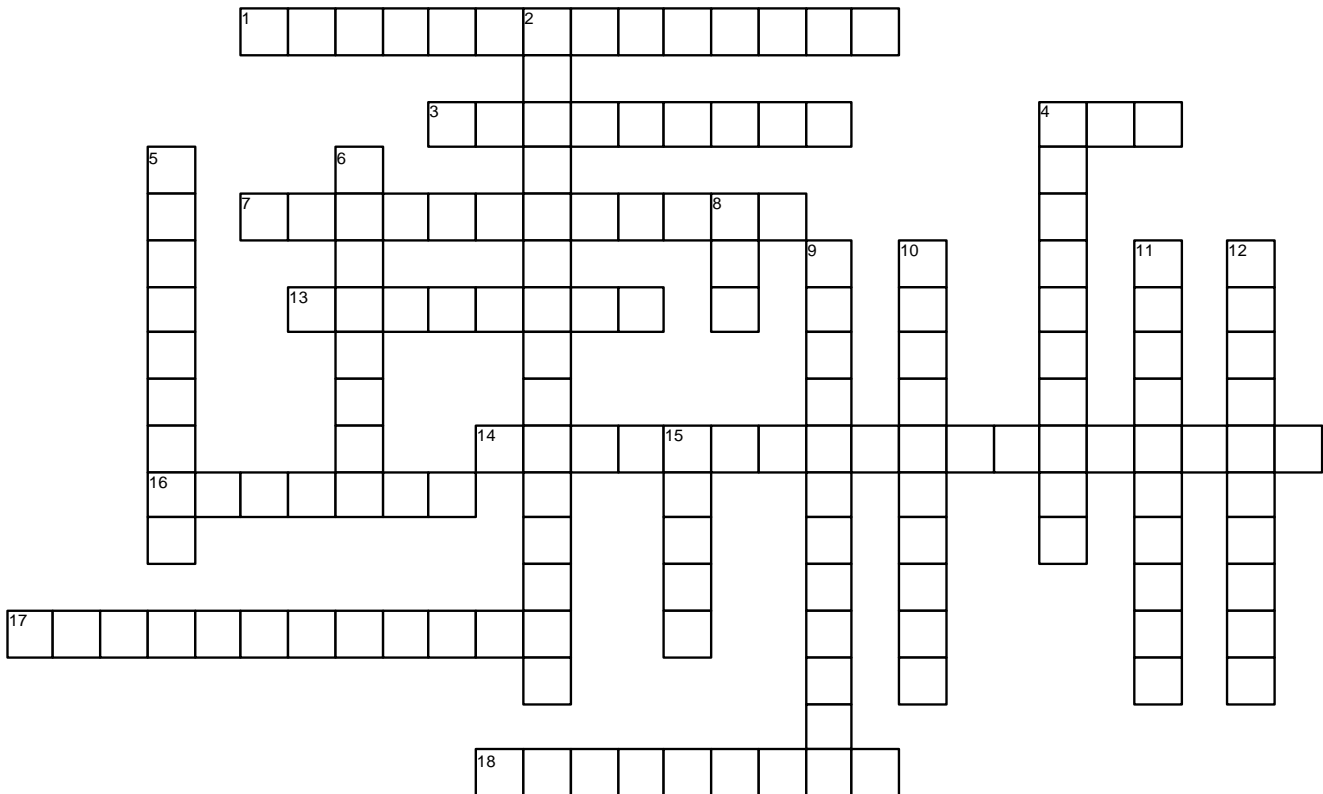


# Oscilloscopes And Graphing Multimeters

## Chapter 43



<http://jameshalderman.com>

### ACROSS

- 1 An analog scope uses a \_\_\_\_\_ similar to a television screen to display voltage patterns.
- 3 \_\_\_\_\_ refers to the percentage of on-time of the signal during one complete cycle.
- 4 A digital scope takes samples of the signals that can be stopped or stored and is therefore called a \_\_\_\_\_.
- 7 The \_\_\_\_\_ is the voltage direction that a waveform must have in order to start the display.
- 13 Setting the \_\_\_\_\_ means setting how much time will be displayed in each block called a division.
- 14 A \_\_\_\_\_ is a cross between a digital meter and a digital storage oscilloscope.
- 16 The number of events, which require leads for each is called a \_\_\_\_\_.
- 17 An \_\_\_\_\_ is a visual voltmeter with a timer that shows when a voltage changes.
- 18 The transparent scale, used for reference measurements, is called a \_\_\_\_\_.

### DOWN

- 2 An \_\_\_\_\_ is when the waveform starts when a signal is received from another external source rather than from the signal pickup lead.
- 4 \_\_\_\_\_ is the most used position on a scope because it allows the scope to display both alternating current voltage signals and direct current voltage signals present in the circuit.
- 5 \_\_\_\_\_ is the number of cycles per second measured in hertz.
- 6 Setting the time base means setting how much time is displayed in each block, called a \_\_\_\_\_.
- 8 Duty cycle is also called \_\_\_\_\_ and can be measured in degrees.
- 9 \_\_\_\_\_ is the voltage that must be detected by the scope before the pattern will be displayed.
- 10 When the \_\_\_\_\_ position is selected, a capacitor is placed into the meter lead circuit, which effectively blocks all DC voltage signals but allows the AC portion of the signal to pass and be displayed.
- 11 The \_\_\_\_\_ is a measure of the actual on-time measured in milliseconds.
- 12 A DC voltage that turns on and off in a series of pulses is called a \_\_\_\_\_.
- 15 Frequency is measured in \_\_\_\_\_.