

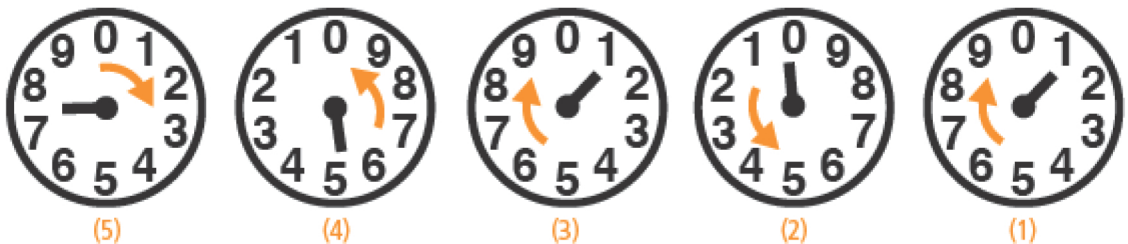
Wattmeter

A wattmeter is a meter that measures the instantaneous power.

A watt-hour meter measures the amount of power used in a given time. It is installed by a power company on the outside of a home or business. Since a watt-hour is a very small unit, standard utility meters read in kilowatt-hours (kWh), or 1,000 watt-hours.

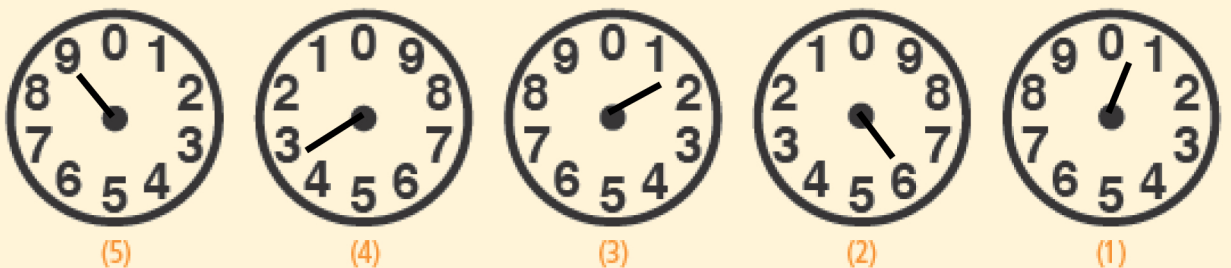
$$\# \text{ of } kW = \frac{E \times I}{1000}$$

Here is an example of a five-dial electric meter. The pointer in each dial moves from a smaller number to a larger one.



Some pointers move clockwise, others counter-clockwise. **Dials are read by starting at the right and moving to the left.** When a pointer is between two numbers, the smaller number is recorded.

- What is the reading of the watt-hour meter above? 75101 kWh
- Look at the watt-hour meter below. Fill in the blanks to determine how many kWh were used.



Today's Reading (A): (5) 9 (4) 3 (3) 1 (2) 6 (1) 0

- 93,160 kWh were used.