Math 6 **Worksheet 3**

NAME _____ DATE : _____

SECTION :_____ SCORE : _____

Read and interpret electric and water meter readings (M6ME -IVd -100);

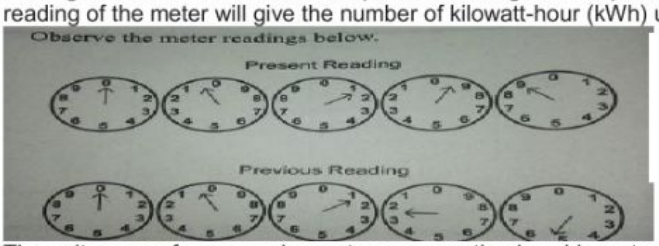
MONDAY

The electric meter measures the amount of electric energy in kWh.
Your electric meter measures the amount of electricity you use. How do the dials of the electric meter move? How do you read the dials of a meter?

To read correctly:

Read the dials from left to right.
If the pointer is between the two numbers, always take the lower number.
If the pointer is directly over a number, write down that number.
If the pointer falls between 9 and 0, write down 9 and reduce the reading you've already taken for the dial on it's left by one.

Finding the difference between the present reading and the previous reading of the meter will give the number of kilowatt-hour (kWh) used.

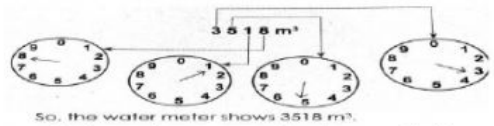


Present Reading : 0 0 1 9 9

Previous Reading: 0 0 1 2 5

7 4 kwh

The unit we use for measuring water consumption is cubic meters (m^3) (1 cubic meter = 1000 L)
The water odometer records total water use in liter. It is a digital meter that shows 7 digits. The older style of water meters is those with small dials.It looks like a series of small clocks that turn clockwise. The rules of reading a water meter with dials are like the way an electric meter is being read.



To compute the water consumption for a particular period of time, simply subtract the previous reading from the present reading.

Example: Present Reading: 10.865 m^3
Previous Reading: 0.972 m^3
Water Consumed: 9.893 m^3

Direction I A **Reading the Electric Meter**

Read each set of dials below and write the numbers in the spaces.

1. 
2. 
3. 
4. 
5. 

IB Write the following in cubic meters.

1.	0	0	0	2	6	7	3	_____ m^3
2.	0	0	8	2	5	0	1	_____ m^3
3.	0	1	3	4	8	4	2	_____ m^3

B. Write the following in Liters.

4.	0	0	0	4	3	0	1	_____ L
5.	0	0	0	0	4	6	0	_____ L