7

DepED
DEPARTMENT OF EDUCATION

Learning Activity Sheet for TLE

Quarter 4

Lesson

6

Worksheet for TLE Grade 7
Quarter 4: Lesson 6 (Week 6)
SY 2024-2025

Development Team

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Every care has been taken to ensure the accuracy of the information provided in this material. For inquiries or feedback, please write or call the Office of the Director of the Bureau of Learning Resources via telephone numbers (02) 8634-1072 and 8631-6922 or by email at blr.od@deped.gov.ph.

LEARNING ACTIVITY SHEET

Learning Area:	TLE 7	**Quarter:**	4
Lesson No.:	6	**Date:**	
Lesson Title/ Topic:	Scale Reading		
Name:		**Grade & Section:**	

I. Activity No. 1: Parts of Multi meter (30 minutes)

II. Objective(s): To familiarize the parts of analog and digital multi meter

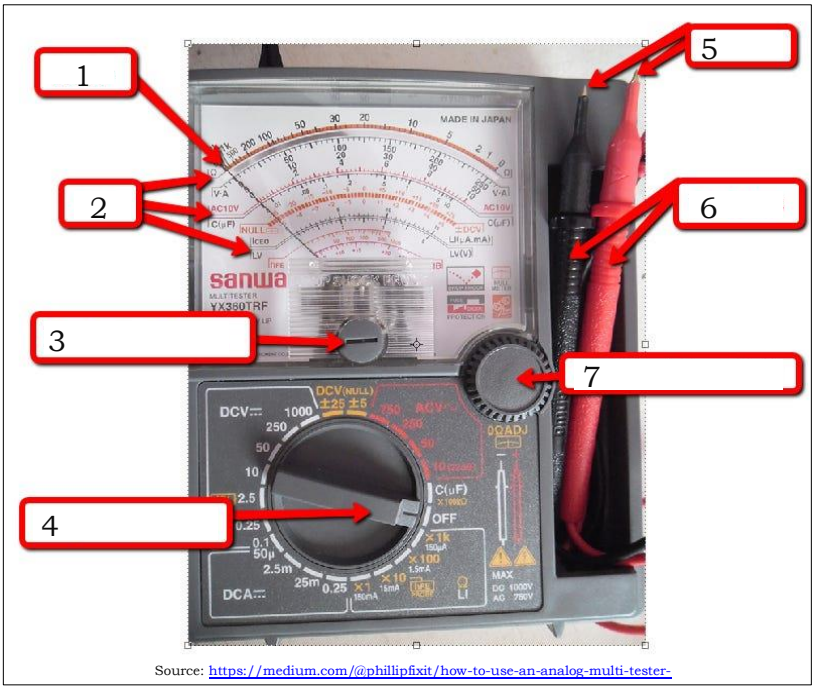
III. Materials Needed:

- Ballpen

IV. Instructions:

- Look at the two types of multi meter.
- Label the parts of Multimeter and write down its function on the space provided below.

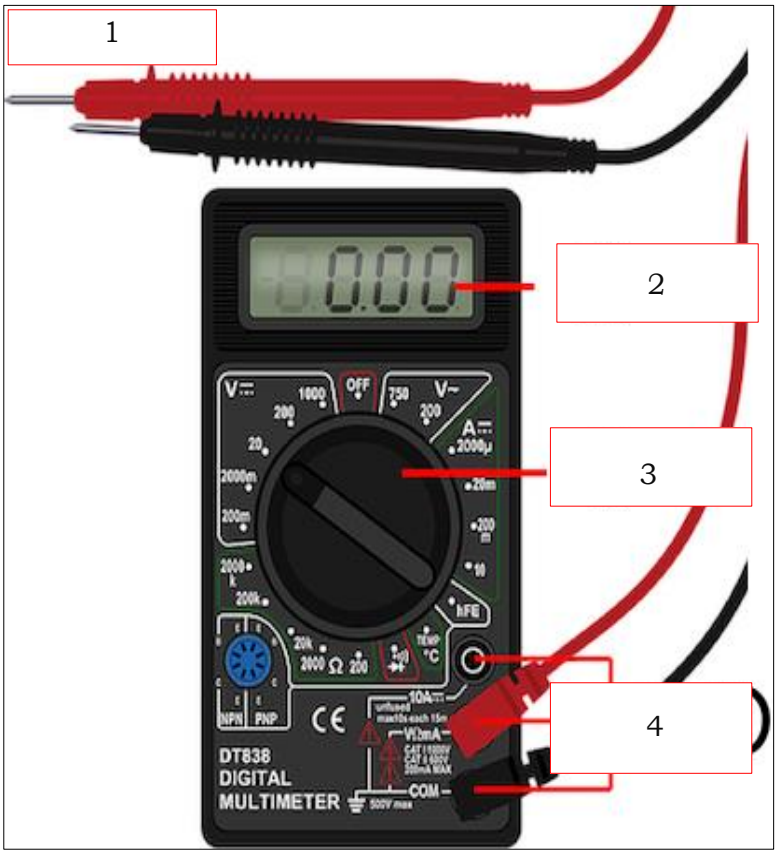
ANALOG MULTI METER



Source: https://medium.com/@phillipfixit/how-to-use-an-analog-multi-tester-

Parts	Function/s
1.	
2.	
3.	
4.	
5.	
6.	
7.	

DIGITAL MULTI METER



Parts	Function/s
1.	
2.	
3.	
4.	

LEARNING ACTIVITY SHEET

Learning Area:	TLE 7	**Quarter:**	4
Lesson No.:	6	**Date:**	
Lesson Title/ Topic:	Scale Reading		
Name:		**Grade & Section:**	

I. Activity No. 2: Using VOM in Measuring Resistance (30 minutes)

II. Objective(s): To measure resistance of components using the ohmmeter function of the VOM.

III. Materials Needed:

- VOM
- Various Color-Coded Resistors
- Incandescent Lamps (different wattage)

IV. Instructions:

1. Recall the steps in using VOM as an ohmmeter.
2. Based on the table, measure the following components and be sure to record the result.
3. Your teacher will guide you in doing the activity.

Using Multimeter as OHMMETER					
	Analog Multimeter				
	R x 1	R x 10	R x 100	R x 1k	R x 100 K
Incandescent Lamp 1					
Incandescent Lamp 2					
Incandescent Lamp 2					
Resistor 1					
Resistor 2					
Resistor 3					

V. Synthesis/Extended Practice/Differentiation:

After the activity is done, the teacher will ask you about the insights you have gained while doing the measuring activity with their partner or peer.

LEARNING ACTIVITY SHEET

Learning Area:	TLE 7	**Quarter:**	4
Lesson No.:	6	**Date:**	
Lesson Title/ Topic:	Scale Reading		
Name:		**Grade & Section:**	

I. Activity No. 3: Using VOM in Measuring DC Voltage (30 minutes)

II. Objective(s): To measure resistance of components using the ohmmeter function of the VOM.

III. Materials Needed:

- VOM
- Double A batteries (Old and New)
- Motorcycle Battery

IV. Instructions:

1. Recall the steps in using VOM as an DC Voltmeter.
2. Based on the table, measure the following batteries and be sure to record the result.
3. Your teacher will guide you in doing the activity.

Using Multimeter as DC VOLTMETER					
	Analog Multimeter				
	2.5 VDC	10 VDC	50 VDC	250 VDC	1000 VDC
Battery 1 (New)					
Battery 2 (Old)					
Motorcycle Battery					

Note: The teacher may use other DC sources to be measure. Safety is a must. The teacher should be around when students are doing the voltage measurement.

V. Synthesis/Extended Practice/Differentiation:

After the activity is done, the teacher will ask you about the insights you have gained while doing the measuring activity with their partner or peer.

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LEARNING ACTIVITY SHEET

Learning Area:	TLE 7	**Quarter:**	4
Lesson No.:	6	**Date:**	
Lesson Title/ Topic:	Scale Reading		
Name:		**Grade & Section:**	

I. Activity No. 4: Using Analog VOM in Measuring AC Voltage (30 minutes)

II. Objective(s): To measure resistance of components using the ohmmeter function of the VOM.

III. Materials Needed:

- VOM
- Convenience Outlets
- Extension Wire

IV. Instructions:

1. Recall the steps in using VOM as an AC Voltmeter.
2. Based on the table, measure the following batteries and be sure to record the result.
3. Your teacher will guide you in doing the activity.

Using Multimeter as AC VOLTMETER		
	Analog Multimeter	
	250 VAC	750/1000 VAC
Outlet 1		
Outlet 2		
Extension Cord		
Step-Down Transformer (if available)		

Note: Safety is a must. The teacher should be around when students are doing the voltage measurement.

V. Synthesis/Extended Practice/Differentiation:

After the activity is done, the teacher will ask you about the insights you have gained while doing the measuring activity with their partner or peer.