Tentative Task for Lesson Study on Cross Border Education in Relation to STEM and Energy Efficiency

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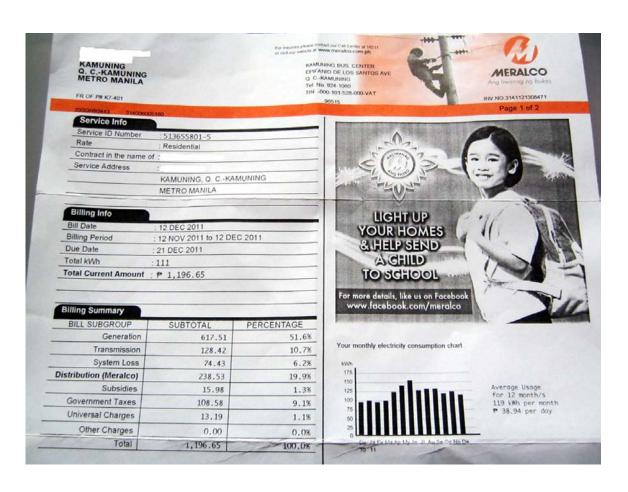
Goal of Lesson Study

To develop students' mathematical thinking and appreciation of the importance of energy efficiency and conservation

Philippines

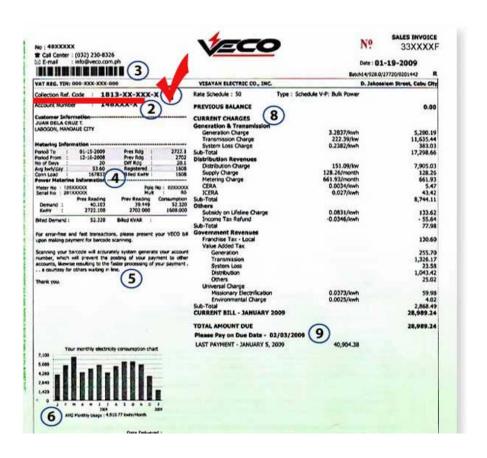


Luzon



Study the two electric bills. Formulate different questions whose answers may be based on the data from the electric bills.

Visayas



Study the two electric bills. Formulate different questions whose answers may be based on the data from the electric bills.

Task: Electric Bill Analysis

- A. Within the Philippines (Luzon and Visayas)
- 1. Compare the components of the bill where the sources of the electric supply are different.
- 2. Describe the components of the electric bill.
- 3. Show how the bill is computed.
- 4. Reflect on the implications of their findings to their daily practice related to use of electricity.
- B. Possible Cross Border Education with Thailand and Malaysia

Electric Bill Charges

- Generation charge the cost of generating electricity. This goes to the power generators
- Transmission charge the cost of delivering electricity from generators
- Systems Loss recovery of power lost due to technical and non-technical systems losses
- Taxes, subsidies and universal charges (VAT)