

Math Module, Session 3 Creating Charts, Graphs

Overview

Objective

Themes

Workers' Hours Information

Small Group Activity

Large Group Discussion

Objective

- Students will demonstrate understanding of the value of creating visual organizers (charts, graphs) to assist pupils in understanding the information.

Themes

- Basic Computation, Procedure Skills (first 3 sessions)
- Communicate unknown values (option 4 in session 2)
- Use tables to solve problems (session 3)
- Develop logical thinking (first 3 sessions)
- Apply math to everyday life (first 3 sessions)

Small Group Activity

- 1. Given the following information, chart/graph the information:

• JUAN = 20 hrs/week	• YENG = 30 hrs/week
• RON = 30 hrs/week	• BARB = 15 hrs/week
• TAWARA = 40 hrs/week	• JULIAN = 20 hrs/week
• CHONG = 25 hrs/week	• GRACIELA = 35 hr/week
• DALLAS = 40 hrs/week	
- 2. Given the charted information, what discussion amongst pupils might you suggest?
- 3. Discuss how pupils would decide on a formula to determine hours worked by month and per quarter. Think of several options for different ability levels.
- 4. Create a chart or graph to show hours worked per month.
- 5. Determine the hours worked per quarter for each worker. Production levels are measured by quarters.
- 6. Create a chart/graph to show this information.
- 7. Discuss how this information would be used to determine which worker is let go. What might students suggest? Students might consider working with pupils to put all three pieces of information on one chart or graph.

Discussion

- Of what value might the charts and graphs be for your students?
- Would you chose graphing calculators for use by some students, but have others use the computers or paper/pencil? Why?