

High School Math & Statistics Activity

Topic: Mathematical Modeling

Objective

Students explore and understand mathematical modeling concepts.

Materials

- Notebook
- Calculator
- Graph paper
- Ruler
- Markers

Activity Steps

1. Introduce mathematical modeling.
2. Solve guided examples.
3. Practice in groups.
4. Record solutions.
5. Present results.

Observation / Notes

| Problem | Solution/Notes |
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Discussion Questions

- What is mathematical modeling?
- Where is it applied?
- What did you learn?
- Why is it useful?

Extension Activity

Create a real-life example using mathematical modeling and present.

Mathematical Modeling Diagram

Model Graph

