

Use Data Without Overclaiming



Use the matching sheet ID when checking answers.

Use the material to work through each task. Show the requested response.

1. What is the height on day 2?

Answer: 4 cm

2. How much does height change from day 0 to day 4?

Answer: 4 cm

3. Which variable was recorded as the outcome?

Answer: plant height

4. Describe the trend.

Look for:

- Uses the recorded direction of change.

One possible response: Height increases over the measured days.

5. Does this log prove that a particular fertilizer caused growth?

Look for:

- Does not infer unsupported causation.

One possible response: No. No comparison or fertilizer information is given.

6. What would help compare two fertilizers fairly?

Look for:

- Changes the intended factor.
- Controls relevant conditions.

One possible response: Use comparable plants, keep other conditions similar and repeat measurements.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.