

Use Data Without Overclaiming: Check Your Understanding



Use the matching sheet ID when checking answers.

Work through these tasks. Use the answers afterwards to discuss specific strengths and next steps.

1. How much farther did B travel?

Answer: 15 cm

2. State one observation supported by this table.

Look for:

- Uses the recorded values and units.

One possible response: B traveled 15 cm farther than A in the recorded trial.

3. Does the table establish why B traveled farther? Explain.

Look for:

- Separates difference from its cause.

One possible response: No. It does not isolate weight, wheels or other factors.

4. Suggest one way to improve confidence in the comparison.

Look for:

- Adds a relevant control or repetition.

One possible response: Repeat each test under the same conditions and compare results.

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