

How Trustworthy Is a Number? — Competition Corner

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Use uncertainty and evidence, not a preference for the “nice” answer.

1. Compare the two 5.00-g standard datasets from worksheet item 18; calculate mean/range and recommend a response.
2. Explain why readings 15.23 and 15.26 mL from 1-mL marks claim unjustified precision.
3. Analyze the wet-sample dataset in item 20 without silently discarding data.