

P1-L: a fresh later check

CONSTRUCTED FICTIONAL CASE. New data for reasoning, not a measured classroom result.

A new class compared a dry redesign Z with reference Y using identical cups and 150 mL each in 22 °C air. Suitable probes passed the stated consistency check. Their starts were Y = 12.0 °C and Z = 14.0 °C. After 10 min they read Y = 15.0 °C and Z = 16.0 °C. The class wrote: “Z is better because it rose only 2 °C.” They then read the same cups at 15 and 20 min and claimed three trials.

P1-D-LATER · New comparison

Constructed teaching data: these values were invented for this activity, not collected in an experiment.

Setup	Start °C	After 10 min °C
Y	12.0	15.0
Z	14.0	16.0

P1-L1. Calculate the 10-minute rises. Assess both claims and propose the next usable trial.