A value is not a change — response practice

Stage-separated edition · 2 November 2026

A value is not a change

Two 100 g samples in a 24°C room, matching cups/lids, method and 15-minute exposure. Their starts differ.

Different starting temperatures

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

Sample	Start (°C)	After 15 min (°C)
U	14	19
V	18	21

1. Which has the warmer final value? Which warmed more? Explain why the larger final value need not mean a larger increase.

2. Does this comparison isolate a protector effect? Explain using the starting conditions.