

Reteach · A value is not a change

Data B · 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

K1-B1. Which has the warmer final value? Which warmed more? Explain why the larger final value need not mean a larger increase.

K1-B2. Does this comparison isolate a protector effect? Explain using the starting conditions.

Fresh check

Data Bc · Fresh equal 100 g samples starting together in a 22°C room; cups, lids, method and 15-minute interval match. Paper task.

New cooling readings

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

Sample	Start (°C)	After 15 min (°C)
C	32	29
D	32	27

K1-B3. Find each fall. Which better limits cooling in this record? Use change as well as the endpoint.