

Later check · Cooling and a repaired test

Data T · Paper cooling task. Both in a 22°C room for 15 minutes; cups, lids and method match. Masses differ.

First cooling comparison

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

Setup	Mass (g)	Start (°C)	Final (°C)
Sleeve P	100	36	29
Sleeve Q	150	36	32

K2-T1. Find both falls. Explain why “Q better limits cooling because its final value is higher” does not isolate a sleeve effect.

Data Tr · Repaired paper record: fresh 100 g samples all begin at 36°C in a 22°C room. Cups/lids, position, method and 15-minute interval match within and across trials.

New matched trials after repair

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

Trial	Sleeve P final (°C)	Sleeve Q final (°C)
1	30	32
2	31	32
3	30	33

K2-T2. What comparison is now supported across trials? Include one meaningful limit.

K2-T3. Does this paper record show that you constructed and tested a device? Explain.