

Independent task · Fresh critique

Data I · Both setups are in a 24°C room. Cups, lids, exposure position and reading method match. The sleeve design, mass and duration differ.

New imagined comparison

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

Setup	Mass (g)	Start (°C)	Time (min)	Final (°C)
Sleeve E	80	12	10	18
Sleeve F	120	12	20	16

K2-I1. Calculate each change. A fictional answer says “F works better because its water warmed less.” What is supported and what is too strong?

K2-I2. Identify the confounds and specify a repaired comparison with actual masses, starts and duration.

K2-I3. Describe how to repeat and record that comparison. State one limit even after repair.