

What do these results support?

C1 / Fictional observations for practice. No physical experiment took place.

Ten complete oscillations / g fixed at 9.81 m/s²

Trial	Length (m)	Mass (kg)	Time for 10 (s)
C2	0.25	0.20	10.1
C3	0.50	0.20	14.2
C4	1.00	0.20	20.0
C5	1.00	1.00	20.1
C6	2.00	0.20	28.4
C7	4.00	0.20	40.1

C8 / Check the count

Divide each time by ten to estimate the period. The records count complete oscillations, not one-way swings.

C9 / A claim to challenge

An older caption says: "Doubling length doubles the period." Check that caption against both B1 and the table. Rewrite it.

C10 / What remains uncertain

These are fictional rounded timings. They do not establish measurement precision, repeatability, real-world damping or classroom learning outcomes.