

W5L3 | Data detective

Friday | 09:30–10:10 | Do | Editable pupil sheet

Name: _____ Date: _____

Core first. Write, speak, point or dictate your own words. Keep the first attempt so you can improve it.

Optional support: Find each mean: add the repeats and divide by their number. Describe the trend. Keep unusual results visible and explain any choice to leave one out.

Work together

Use class data if available; otherwise label this dataset “illustrative sample data”.

Illustrative model/sample data; not measurements made by this class.

Sucrose / mol dm ⁻³	Repeat 1 / %	Repeat 2 / %	Repeat 3 / %	Mean / %
0.0	18	20	22	
0.2	10	12	14	
0.4	0	2	4	
0.6	-10	-8	-6	
0.8	-18	-20	-22	

1. Complete all five means. Describe the trend.

2. Estimate zero change using a straight line between the nearest values either side of zero.

W5L3 | Continue and improve

Use after the core questions when directed

3. An extra repeat at 0.6 gives +9%. What should you do before excluding it?

Optional transfer

Add the +9% repeat at 0.6. Find the new mean and explain its effect.

Depth: name an assumption or limit, then say what evidence would strengthen your answer.

Improve the same work

One correction I made, and why:

My request for next time: _____