

W3L3 | Find the first faulty step

Friday | 09:30–10:10 | Do | Supported route

Name: _____ Date: _____

Core first. Your teacher will select the questions that fit this lesson. Write, speak, point or dictate your own words. Keep your first attempt so you can improve it.

Your scaffold: Check the units first. Then check the calculation. For a scale bar, count how many bar lengths fit the cell image.

Work together

Read the stated measurements. This route does not depend on the printer scale.

1. **A cell image is 48 mm long; the actual cell is 80 μm . Sam writes $48 \div 80 = \times 0.6$. Identify and repair the error.**

2. **A printed scale bar represents 20 μm . It measures 10 mm on the paper; the cell measures 25 mm. Calculate the cell's actual length.**

W3L3 | Continue and improve

Supported route | Use after the core questions when directed

3. The print is enlarged to 200%. Explain what changes and what stays the same.

Optional transfer

Two pupils judge the same fuzzy image edge differently. Suggest a sensible reporting choice.

Build your response: Point to the evidence. Name the science idea. Link them using “because”. Ask for a visual cue before asking for a worked answer.

Improve the same work

One correction I made, and why:

My request for next time: _____