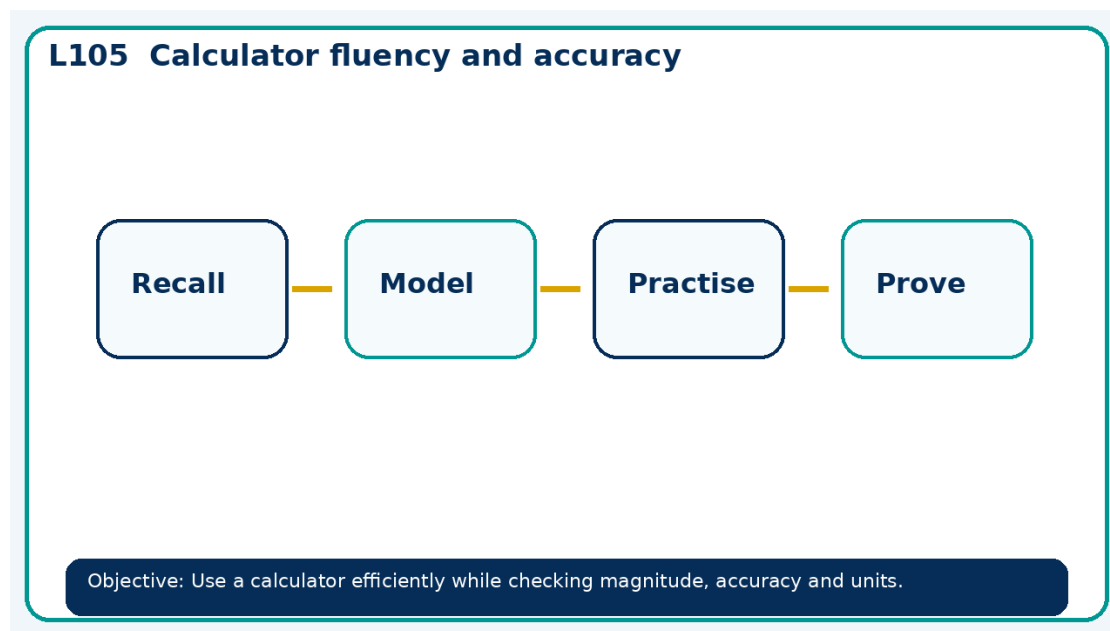


Learner workbook: Calculator fluency and accuracy

Objective: Use a calculator efficiently while checking magnitude, accuracy and units.

Calculator condition: Calculator allowed where labelled; non-calculator reasoning remains required.



Connect & Check

- State the objective and timeline. Retrieve non-calculator number and algebra or a prerequisite. Diagnose a common error before modelling.
- Write one starting question you want answered today.

Choose your route

Route A: Visual Use a diagram, graph, table or annotation first.	Route B: Method Use a worked method, formula or calculation chain first.	Route C: Explain Start with words: what is known, what is changing, and why.
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Share

- Pairs compare methods or predict a result for calculator fluency and accuracy. Ask for a reason, not only an answer.

Present

- Use assessment evidence to select a worked-example/problem pair.
- Fade prompts and review a fresh independent response with the learner

Apply: supported to independent

Recall: Retrieve the key fact or method needed for calculator fluency and accuracy.

Working: _____

Check/explanation: _____

Core practice: Find the value of 250×1.035^4 to the nearest penny.

Working: _____

Check/explanation: _____

Reasoning: A result is 0.00048372. Round to three significant figures and explain the first significant digit.

Working: _____

Check/explanation: _____

Exam-style: Solve an exam-style problem involving calculator fluency and accuracy. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____

Recall & Review

- Revisit the objective. Learners solve a fresh item without prompts, explain a check, correct one error and record the next practice.

WWW: _____ EBI: _____

Recall & Review: feedback and extension integration

Lesson L105: Calculator fluency and accuracy

Objective: Use a calculator efficiently while checking magnitude, accuracy and units.

Timing for a 60-minute lesson

0-7 Connect & Check; 7-14 Share; 14-25 Present/model; 25-44 Apply route choice/practice; 44-52 independent exam-style check; 52-60 Recall & Review, WWW/EBI and next step.

Recall & Review evidence

At the end of the lesson, solve a fresh question without prompts, explain one check, correct one error and record the next practice step.

What Went Well (WWW)

I selected an efficient numerical method, showed the key steps clearly and checked the sign, size or accuracy of my answer.

Even Better If (EBI)

I will make the place-value, sign or operation decision explicit and use estimation or an inverse calculation to check a fresh question.

Integrated stretch and deep challenge

Stretch: Find the value of 250×1.035^4 to the nearest penny.

Deep challenge: A result is 0.00048372. Round to three significant figures and explain the first significant digit.

My next-step response
