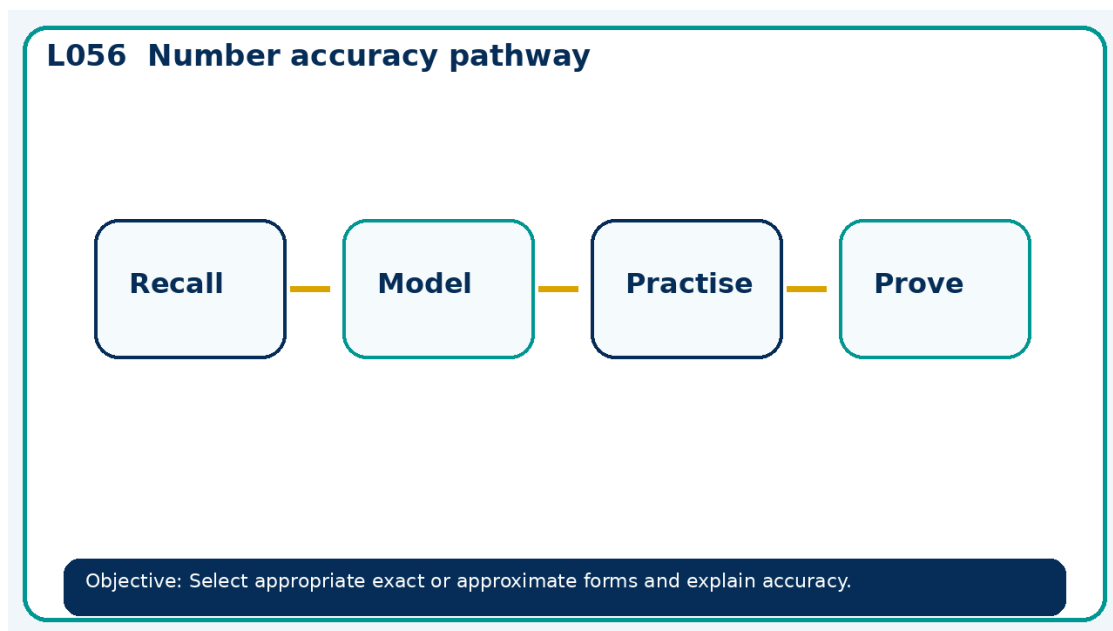


Learner workbook: Number accuracy pathway

Objective: Select appropriate exact or approximate forms and explain accuracy.

Calculator condition: Non-calculator core; calculator optional only for checking where labelled.



Connect & Check

- State the objective and timeline. Retrieve rounding error intervals and bounds 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 number accuracy pathway. Ask for a reason, not only an answer.

Present

- Foundation: rounding and estimation repair.
- Higher: surds, rationalisation and calculated bounds

Apply: supported to independent

Recall: Retrieve the key fact or method needed for number accuracy pathway.

Working: _____

Check/explanation: _____

Core practice: Estimate 398×0.051 to one significant figure, then calculate exactly.

Working: _____

Check/explanation: _____

Reasoning: A measurement rounds to 1.20 to two decimal places. State the interval and explain why 1.205 is excluded.

Working: _____

Check/explanation: _____

Exam-style: Solve an exam-style problem involving number accuracy pathway. 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 L056: Number accuracy pathway

Objective: Select appropriate exact or approximate forms and explain accuracy.

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: Estimate 398×0.051 to one significant figure, then calculate exactly.

Deep challenge: A measurement rounds to 1.20 to two decimal places. State the interval and explain why 1.205 is excluded.

My next-step response
