

L068 · GCSE Mathematics 1MA1 · 60 minutes

The goal

Select a proportion or rate method and explain assumptions.

Connect & Check

Complete the starter in your workbook. Retrieve the prior skill, then identify one likely error before you use today's method.

L068 Rates pathway and repair

Recall

Model

Practise

Prove

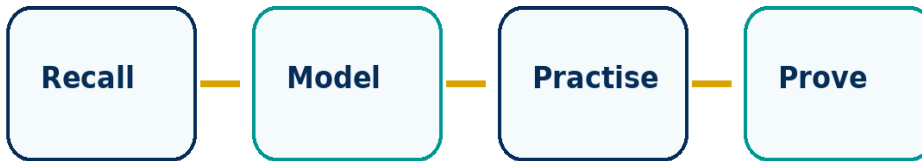
Objective: Select a proportion or rate method and explain assumptions.

Compare your method with a partner. Agree on one reliable step and one check. Be ready to explain your reasoning, not just your answer.

Build the method

Use the worked model to foundation: unit rates and percentages. Higher: non-linear proportion and iterative growth. Record the key step and one check that proves the answer.

L068 Rates pathway and repair



Objective: Select a proportion or rate method and explain assumptions.

Choose your route

Choose your route: A - visual model, B - method first, or C - explain first.
Whichever route you choose, your final answer must prove the lesson objective.

Guided practice

A car uses 18 litres over 240 km.
Express fuel use in litres per
100 km.

L068 Rates pathway and repair

Recall

Model

Practise

Prove

Objective: Select a proportion or rate method and explain assumptions.

Apply

7/11

Independent practice

A distance is fixed. If speed increases by 25%, what happens to journey time?

L068 Rates pathway and repair

Recall

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Objective: Select a proportion or rate method and explain assumptions.

Apply

8/11

Exam-style practice

Solve an exam-style problem involving rates pathway and repair. Show working, include a check and interpret your answer.

Recall & Review

Complete a fresh question without notes. Check your answer, correct one error if needed, and record the next practice step.

Before next lesson

Correct one error, record one target and complete the flipped learning task.

L068 Recall & Review

Rates pathway and repair



Fresh evidence: prove the objective

Solve a new question without prompts. Explain one check, then correct one error in your working.

Objective: Select a proportion or rate method and explain assumptions.

Write the next practice step before you leave. It must test the method again, not simply copy today's example.

Feedback language

Use the full phrases before the abbreviations.

What Went Well (WWW)

I used my working and assessment evidence to identify the exact mathematical step that was secure and the specific misconception that needs attention.

Identify the mathematical method, representation, reasoning or check that improved.

Even Better If (EBI)

I will correct one precise step, explain why the correction works and complete a fresh delayed question without the original scaffold.

Set one precise next-step action and test it on a fresh question.

Extension route

Choose this route only after the core evidence is secure.

Stretch

A car uses 18 litres over 240 km. Express fuel use in litres per 100 km.

Deep challenge

A distance is fixed. If speed increases by 25%, what happens to journey time?

Explain your reasoning clearly enough that another learner could check it.