

L048 · GCSE Mathematics 1MA1 · 60 minutes

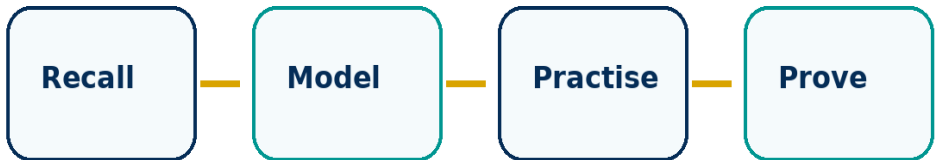
The goal

Compare distributions using context, a typical value and spread.

Connect & Check

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

L048 Statistical comparisons



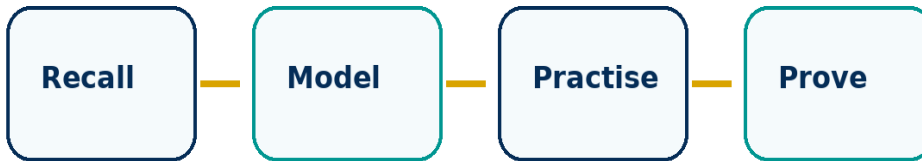
Objective: Compare distributions using context, a typical value and spread.

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 model a comparison supported by two statistics; critique an unsupported claim. Record the key step and one check that proves the answer.

L048 Statistical comparisons



Objective: Compare distributions using context, a typical value and spread.

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

Class A has median 14 and IQR 3; class B median 16 and IQR 9. Compare typical score and consistency.

L048 Statistical comparisons

Recall

Model

Practise

Prove

Objective: Compare distributions using context, a typical value and spread.

Apply

7/11

Independent practice

Two groups share mean 20.
One has range 2 and the other 30. What can and cannot be concluded?

Apply

L048 Statistical comparisons

Recall

Model

Practise

Prove

Objective: Compare distributions using context, a typical value and spread.

8/11

Exam-style practice

Solve an exam-style problem involving statistical comparisons. 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.

L048 Recall & Review

Statistical comparisons



Fresh evidence: prove the objective

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

Objective: Compare distributions using context, a typical value and spread.

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 selected an appropriate statistic or representation and supported my comparison or interpretation with specific evidence from the data.

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

Even Better If (EBI)

I will quote the relevant values or features, compare like with like and explain what the evidence shows without making an unsupported claim.

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

Class A has median 14 and IQR 3; class B median 16 and IQR 9.
Compare typical score and consistency.

Deep challenge

Two groups share mean 20. One has range 2 and the other 30. What can and cannot be concluded?

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