

L076 · GCSE Mathematics 1MA1 · 60 minutes

The goal

Select a probability representation and repair common errors.

Connect & Check

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

L076 Probability pathway and repair

Collect

Represent

Analyse

Conclude

Is the sample fair?

What does the diagram show?

What conclusion is valid?

Objective: Select a probability representation and repair common errors.

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: sample spaces and frequency trees. Higher: conditional and dependent events. Record the key step and one check that proves the answer.

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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

Two fair dice are rolled. Find $P(\text{at least one six})$.

Apply

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What does the diagram show?

What conclusion is valid?

Objective: Select a probability representation and repair common errors.

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Independent practice

A bag with 3 red and 2 blue is drawn twice without replacement. Are the events independent? Show with probabilities.

Apply

L076 Probability pathway and repair

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Represent

Analyse

Conclude

Is the sample fair?

What does the diagram show?

What conclusion is valid?

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Exam-style practice

A probability problem is presented with two stages. Complete the representation, calculate the probability and explain any assumption.

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.

L076 Recall & Review

Probability 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 probability representation and repair common errors.

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

Two fair dice are rolled. Find $P(\text{at least one six})$.

Deep challenge

A bag with 3 red and 2 blue is drawn twice without replacement. Are the events independent? Show with probabilities.

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