

Learner Assessment: Dependent events and assumptions

Objective: Recognise dependence and the assumptions behind a probability model.

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

L074 Dependent events and assumptions



Objective: Recognise dependence and the assumptions behind a probability model.

Recall

Retrieve the key fact or method needed for dependent events and assumptions.

Core practice

A bag holds 5 red and 4 blue. Find $P(\text{two blue without replacement})$.

Working: _____

Check/explanation: _____

Reasoning

A bag has 4 red and 1 blue. Given the first draw was red, find $P(\text{second red without replacement})$.

Working: _____

Check/explanation: _____

Exam-style

Solve an exam-style problem involving dependent events and assumptions. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____