

ST10 Probability, experiments and risk



Personal learning checklist | 1 of 2

Edexcel GCSE Statistics 1ST0 | Both papers · Foundation and Higher

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

Higher statements are labelled. Show full workings, construct graphs and use real sourced data for enquiry tasks.

I can	Red	Amber	Green
Likelihood and experimental evidence			
Express probabilities on consistent scales and apply equally likely outcome models.	☐	☐	☐
Define complements correctly and calculate their probabilities.	☐	☐	☐
Estimate probability from experimental relative frequency and explain sampling uncertainty.	☐	☐	☐
Calculate and interpret expected frequencies without treating them as guaranteed results.	☐	☐	☐
Explain long-run stability and avoid independence and compensation misconceptions.	☐	☐	☐
Compare experimental results with theoretical predictions and evaluate possible bias.	☐	☐	☐
Design a simulation with random outcomes matching the intended probabilities.	☐	☐	☐

My next revision priority _____

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I can	Red	Amber	Green
Absolute and relative risk			
Calculate absolute risk, relative risk and expected group frequencies with stated denominators.	☐	☐	☐
Distinguish risk differences, percentage-point changes and relative percentage increases.	☐	☐	☐
Communicate baseline risks and evaluate confounding in observational comparisons.	☐	☐	☐

My next revision priority _____