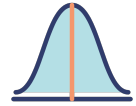


ST12 Binomial and normal distributions



Personal learning checklist | 1 of 2

Edexcel GCSE Statistics 1ST0 | Both papers · Higher only

Name _____ Class _____ Date _____

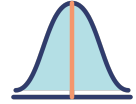
Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

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

I can	Red	Amber	Green
Binomial models			
Higher: justify binomial conditions and interpret count support and $B(n,p)$ notation.	☐	☐	☐
Higher: calculate binomial probabilities using arrangements and success/failure factors.	☐	☐	☐
Higher: interpret cumulative binomial inequalities and use complements with correct boundaries.	☐	☐	☐
Higher: calculate binomial means and expected count frequencies across repeated groups.	☐	☐	☐
Higher: compare observed binomial outcomes with model predictions and evaluate possible bias.	☐	☐	☐

My next revision priority _____

ST12 Binomial and normal distributions



Personal learning checklist | 2 of 2

Edexcel GCSE Statistics 1ST0 | Both papers · Higher only

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
Normal models and intervals			
Higher: justify normal-model suitability and interpret $N(\mu, \sigma^2)$ notation.	☐	☐	☐
Higher: calculate and interpret normal one-, two- and three-SD intervals.	☐	☐	☐
Higher: use approximate normal proportions and symmetry to calculate regions and expected counts.	☐	☐	☐
Higher: evaluate unusual values and limitations without assuming every symmetric dataset is normal.	☐	☐	☐

My next revision priority _____