

# Comparing GCSE (9–1) Statistics and GCSE (9–1) Mathematics (Higher tiers)

GCSE (9–1) Statistics	GCSE (9–1) Mathematics Higher tier
<b>1. The collection of data</b>	
(a) Planning	Not covered
(b) Types of data	S1, S2, S3 together refer to many types of data Not covered includes: raw data, multivariate data, explanatory and response variable
(c) Population and sampling	S1 implicitly covers aspects of sampling but there is greater emphasis in GCSE Statistics including additional sampling techniques
(d) Collecting data	S1 implicitly covers some aspects of 1d.01 and 1d.02 The remainder of 1d is not covered
<b>2. Processing, representing and analysing data</b>	
(a) Tabulation, diagrams and representation	S2, S3, S4 together cover a number of representations Not covered includes: population pyramid, choropleth, comparative pie, comparative 3D, misrepresentation, skew
(b) Measures of central tendency	S4, S5 cover mean, median, mode, modal class Not covered includes: weighted mean, geometric mean, MSV
(c) Measures of dispersion	S4, S5 cover range, quartiles, IQR Not covered includes: percentiles and IPR, deciles and IDR, SD, outliers by calculation, standardisation
(d) Further summary statistics	Not covered
(e) Scatter diagrams and correlation	S6 covers a number of the topics Not covered includes: double mean, regression line, Spearman's, PMCC
<b>2. Processing, representing and analysing data (continued)</b>	
(f) Time series	S2 covers construct and interpret time series graphs only Not covered includes: moving averages, interpret gradient of trend line, seasonal and cyclic trends, predictions
(g) Quality assurance	Not covered
(h) Estimation	S1, S5 cover inferring from a sample Not covered includes: estimating population mean, predicting population proportions
<b>3. Probability</b>	
	P1–P9 together cover a number of the topics Not covered includes: risk, general addition law, binomial distribution, normal distribution
<b>Other</b>	
	Not covered includes: statistical enquiry cycle, use of/issues with spreadsheets and software