

Objectives	Grade	MYMATHS LESSONS and ONLINE HOMEWORK
------------	-------	-------------------------------------

CHAPTER 1 STATISTICAL MEASURES

Calculate the mean for a frequency distribution	D	DATA / Averages / Mean of Grouped Data
Find the modal class for grouped data		
Find the mean for grouped data	C	DATA / Averages / Median from Freq Table
Find the median class for grouped data		

CHAPTER 2 REPRESENTING DATA

Construct a stem-and-leaf diagram (ordered)	D	DATA / Averages / Stem and Leaf
Construct a frequency diagram		DATA / Charts and Graphs / Grouping Data
Interpret a time series graph		DATA / Charts and Graphs / Line Graphs
Construct a time series graph and plot the moving average	B	DATA / Averages / Moving Averages
Use the trend line to estimate other values		DATA / Cumulative Frequency / Cumulative Freq
Construct and interpret a cumulative frequency diagram		
Use a cumulative frequency diagram to estimate the median and interquartile range		
Construct and interpret a box plot		
Compare two sets of data using box plots	A	DATA / Cumulative Frequency / Box and Whisker plots
Construct and interpret a histogram with unequal class intervals		

CHAPTER 3 SCATTER GRAPHS

Draw a scatter graph by plotting points on a graph	D	DATA / Charts and Graphs / Scatter Graphs
Interpret the scatter graph		
Identify the type and strength of the correlation	C	
Draw a line of best fit on the scatter graph	D	
Interpret the line of best fit	C	

Objectives	Grade	MYMATHS LESSONS and ONLINE HOMEWORK
------------	-------	-------------------------------------

CHAPTER 4 COLLECTING DATA

Classify and know the difference between various types of data	D	GCSE STATISTICS / Collecting Data / Types of data
Design and use data collection sheets and questionnaires		
Identify possible sources of bias in the design and use of data collection sheets and questionnaires	C	
Use a variety of different sampling methods	D	GCSE STATISTICS / Collecting Data / Sampling 1 and 2
Use stratified sampling methods	A	

CHAPTER 5 PROBABILITY

Use probability to estimate outcomes for a population	C	DATA / Probability / Relative Frequency
Use relative frequency to find probabilities	B	
Use a two-way table to find a probability	D	
Understand mutually exclusive events		
Use the fact that the probabilities of mutually exclusive events add up to 1		DATA / Probability / Independent Probability
Understand dependent and independent outcomes	A	
Complete a tree diagram	B	
Use tree diagrams to find probabilities of successive independent events	A	
Draw tree diagrams and use them to find probabilities of successive dependent events	A*	