

General Topic	Objectives	Grade	LESSONS AND ONLINE HOMEWORK
CHAPTER 1 STATISTICAL MEASURES	Find the mode for a set of numbers Find the median for an odd set of numbers	G	DATA / Averages / Mean and Mode DATA / Averages / Median and Range
	Work out the range for a set of numbers Calculate the mean for a set of numbers Find the median for an even set of numbers Write down the mode from a graph	F	
	Compare the mean and range of two distributions Calculate the 'fx' column for a frequency distribution	E	DATA / Averages / Grouped Data
	Calculate the mean for a frequency distribution Find the modal class for grouped data	D	
	Find the mean for grouped data Find the median class for grouped data	C	DATA / Averages / Median from Freq Table
	Construct and interpret a pictogram Construct and interpret a bar chart	G	DATA / Charts and Graphs / Pictograms and Charts DATA / Charts and Graphs / Bar Charts
	Construct and interpret a dual bar chart Interpret a pie chart	F	DATA / Charts and Graphs / Reading Pie Charts
CHAPTER 2 REPRESENTING DATA	Construct a pie chart Interpret a stem-and-leaf diagram	E	DATA / Charts and Graphs / Drawing Pie Charts DATA / Averages / Stem and Leaf
	Construct a stem-and-leaf diagram (ordered) Construct a frequency diagram Interpret a time series graph	D	DATA / Charts and Graphs / Grouping Data DATA / Charts and Graphs / Line Graphs
	Draw a scatter graph by plotting points on a graph Interpret the scatter graph	D	DATA / Charts and Graphs / Scatter Graphs
	Identify the type and strength of the correlation Draw a line of best fit on the scatter graph	C D	
	Interpret the line of best fit	C	
CHAPTER 3 SCATTER GRAPHS	Design and use tally charts for discrete and grouped data	G	DATA / Charts and Graphs / Introducing Data
	Design and use two-way tables for discrete and grouped data	E	DATA / Charts and Graphs / Two Way Tables
	Classify and know the difference between various types of data Design and use data collection sheets and questionnaires	D	
	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	
	CHAPTER 4 COLLECTING DATA		

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CHAPTER 5 PROBABILITY	Understand and use the vocabulary of probability, such as certain, impossible, likely, unlikely, evens.	G	DATA / Probability / Introduction
	Understand and use a probability scale. Express a probability as a fraction Display outcomes systematically, such as the results when two coins are tossed.	F	DATA / Probability / Simple Probability DATA / Probability / Listing outcomes
	Understand the difference between experimental and theoretical probability Use a two-way table to find a probability Understand and use relative frequency.	E	DATA / Probability / Relative Frequency
	Understand the meaning of mutually exclusive outcomes, such as getting a head or a tail. Use the fact that the probabilities of mutually exclusive outcomes add up to 1.	D	
	Use probability to estimate outcomes for a population.	C	