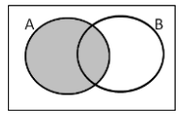
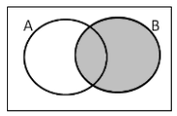
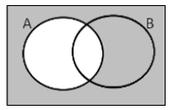
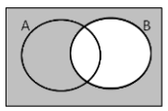
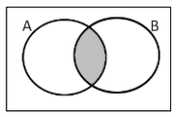
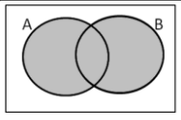
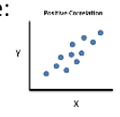
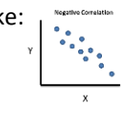
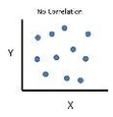
Year 9 – Maths – Summer 2

Unit 18 – probability		
No.	**Question**	**Answer**
18.1	What is an outcome?	The result of an experiment
18.2	What is a sample space?	A table showing all the possible outcomes of an event
18.3	What is theoretical probability?	The expected outcome of an experiment
18.4	What is relative frequency?	The actual outcome of an experiment
18.5	What does mutually exclusive mean?	Two events that cannot happen at the same time
18.6	How do I write probability of A?	P(A) 
18.7	How do I write probability of B?	P(B) 
18.8	How do I write probability of not A?	P(A') 
18.9	How do I write probability of not B?	P(B') 
18.10	How do I write probability of A and B?	P(A ∩ B) 
18.11	How do I write probability of A or B?	P(A ∪ B) 

Date (week commencing)	Numbers to learn
13/06/22	**18.1-18.10**
27/06/22	**18.1-18.11**
04/07/22	**19.1-19.10**
11/07/22	**19.5-21.6**

Unit 19 - data		
No.	**Question**	**Answer**
19.1	What is quantitative data?	Data that can be counted or measured (**N**umbers)
19.2	What is qualitative data?	Information that describes something (**L**etters)
19.3	What is discrete data?	Data that can only take certain values e.g. number of chairs
19.4	What is continuous data?	Data that can take any value e.g. height
19.5	What is primary data?	Data that is collected first hand
19.6	What is secondary data?	Data that is collected by someone else
19.7	What is a sample?	A selection taken from a larger group
19.8	How do you calculate the mean?	Add up all the data sets Divide by how many pieces of data there are
19.9	How do you calculate mean from a frequency table?	$\frac{Total\ Fx}{Total\ F}$
19.10	How do you calculate mean from a grouped frequency table?	1. Find the mid point of each group 2. $\frac{Total\ Fx}{Total\ F}$

Unit 21 - correlation		
No.	**Question**	**Answer**
21.1	What does positive correlation mean?	As one variable increases the other variable increases, this looks like: 
21.2	What does negative correlation mean?	As one variable increases the other variable decreases, this looks like: 
21.3	What does no correlation mean?	There is no relationship between the two variables, this looks like: 
21.4	What is a line of best fit?	A straight line drawn with a ruler that goes through the data with roughly the same number of points on each side of the line
21.5	What does interpolation mean?	Estimating a value within a given data set
21.6	What does extrapolation mean?	Estimating a value outside the give date set by assuming a trend