Finding Probability from Two-Way Tables												
(a)					(b)							
The two-way table shows some information about the favourite subjects of some Year 10 and 11 students.		Art	Music	Drama	Total	The two-way table shows the favourite holiday destination of some people in their twenties.			France	Ital	y Spain	Total
	Year 10	) 34	21	33	88		Age 20 t	o 24	19	28	101	148
	Year 11	49	24	19	92		Age 25 t	o 29	44	31	35	110
	Total	83	45	52	180		Total		63	59	136	258
(a) Complete the two-way table. 45						(a) Complete the two-way table.						110
(b) A student is chosen at random. Find the probability 180 that their favourite subject is Music.						(b) A person is chosen at random. Find the probability that they are aged between 25 and 29.						$\frac{110}{258}$
(c) A student is chosen at random. Find the probability that they are a Year 11 student whose favourite subject is Drama. $\frac{19}{180}$						(c) A person is chosen at random. Find the probability that they are aged 20 to 24 and their favourite destination is Spain.						$\frac{101}{258}$
(c)	(d)											
The two-way table shows some information about the favourite fruits of two reception classes.		Apple	Orange	Banana	Total	The two-way table shows some information about languages studied by Year 7 and 8 students.		Fren	ich Ge	erman	Spanish	Total
	Class 1	4	11	13	28		Year 7	46	5	45	54	145
	Class 2	6	10	9	25		Year 8	40	)	52	73	165
	Total	10	21	22	53		Total	86	5	97	127	310
(a) Complete the two-way table.						(a) Complete the two-way table.						
(b) A student is chosen at random. Find the probability that they are a student from Class 1 who likes 53 bananas.						(b) A student is chosen at random. Find the probability that they are a Year 8 student who studies French or German.						92 310
(c) A student from Class 2 is chosen at random. Find the probability that their favourite fruit is apple. $\frac{6}{25}$						(c) A student who studies Spanish is chosen at random. Find the probability that they are in Year 7.						54 127