Constructing Two-Way Tables											
(a)				(b)					(c)		
	B whethe	wo of her er they we	•	A librarian surveyed 100 people of different ages to find out their preferred type of fiction – crime, romance or fantasy.					A teacher recorded the mock exam grades received for A-level Mathematics by students in each of her two classes.		
students		a total of of them w		Of the 36 under 40s who answered the survey, 11 preferred crime fiction.					There were two more students in class Y than in class X.		
		19 right-h	nanded	A total of 28 people preferred romance novels.					Class X contained 28 students and received 11 E grades.		
	oth classe	es, there		Of the people who were aged 40 or over, 9 preferred romance and 22 preferred fantasy fiction.					Students in class Y receives twice as many A grades as those in class X.		
total of 2	23 left-hai	nded stud	lents.						The total number of students who got grade C was 15, and 7 of these students were in class Y.		
	olete a tw s informa	o-way tal tion.	ble to	(a) Complete a two-way table to show this information.					(a) Complete a two-way table to show this information.		
	Left	Right	Total		Crime	Romance	Fantasy	Total			
7A				Under 40s							
7B				40 or over							
Total				Total							
Find the left-hand (c) A right chosen a	probabilit led. nt-handed it random	nosen at r by that the d student i. Find the ey are in	ey are is	(b) A person is chosen at random. Find the probability that they are under 40 and prefer either romance or fantasy fiction.(c) A person who prefers crime fiction is chosen at random. Find the probability that they are aged 40 or over.					(b) A member of class X is chosen at random. Find the probability that they received a grade B or a grade C.(c) All students that obtained a grade C will be required to re-sit their exam. If a student is chosen at random, what is the probability that they will not have to resit their exam?		