Name_____

Two-Way Frequency Tables

1. The two-way table shows some information about the number of students in a school.

	Year Group			Total
	9	10	11	
Boys			125	407
Girls		123		
Total	303	256		831

Complete the two-way table.

3. The two-way table gives some information about how 100 children travelled to school one day.

	Walk	Car	Other	Total
Boy	15		14	54
Girl		8	16	
Total	37			100

(a) Complete the two-way table.

One of the children is picked at random.

(b) Write down the probability that this child walked to school that day.

7. 80 children went on a school trip.
They went to London or to York.

23 boys and 19 girls went to London.
14 boys went to York.

(a) Use this information to complete the two-way table.

	London	York	Total
Boys			
Girls			
Total			

One of these 80 children is chosen at random.

(b) What is the probability that this child went to London?

Name_____

8. After a series of matches between a school's teams and their rivals, the school secretary analyzed the relationship of the number of wins and matches played. The results are summarized in a two way table below.

Sport	Boys Wins	Girls Wins	Total Wins
Volleyball	23	18	
Cricket	40	10	
Soccer	15	25	
Total			

a) Complete the table.

b) If I went to a game that our school won, what is the probability it was a Cricket game?

9. 80 students each study one Science. The table shows some information about these students

a. Complete the table

	Biology	Chemistry	Physics	Total
Female	18			47
Male			19	
Total		21	33	80

b. What is the probability that the student studies Physics?

c. What is the probability that the student is male and does not study biology?

d. What is the probability that the student is female and studies Chemistry?

e. What is the probability that the student is not female?

f. What is the probability that the student does not study Biology?