Two-Way Tables Exam Practice

Q1. 110 students were asked about their favourite sport:

	Tennis	Football	Cricket	Total
Male		16		31
Female			14	
Total	40	45		

Complete the table above.

(3 marks)

Q2. 250 school pupils were asked about their favourite subject:

	English	Maths	Science	Total
Year 7	56			101
Year 8			14	
Total	87	115		

Complete the table above.

(3 marks)

Q3. Some students were asked how they get to school each day:
20 boys cycled.
53 girls did not take the bus.
The total of students who took the bus was 41.
45 girls walked, whilst 10 boys walked.
The number of girls interviewed was 78.

	Bus	Cycle	Walk	Total
Boys				
Girls				
Total				

a) Use the information to complete the table above.

(3 marks)

b) A student is chosen at random from the survey. What is the probability that they do not cycle to school?

(2 marks)

Q4. The number of pets in two villages, Ardwick and Benton is surveyed:

	Ardwick	Benton	Total
Dogs			
Cats			
Rabbits			
Total			

60% of the pets living in Benton were cats.
There were a total of 17 rabbits.
80% of the dogs were living Ardwick.
The total of pets in Benton was 35.
In Ardwick, there were 24 dogs, and 9 rabbits
There were twice as many cats as rabbits in total.

Complete the table using the information above.

(4 marks)

Q5. At college, the canteen provides lunch over 2 sittings.
100 students went to the canteen, and each student had lasagne, curry or a burger. 54 of these students went to the first sitting. Over the lunch period a total of 41 students had lasagne. 13 of the 27 students that had a burger went to the second sitting. 10 students choose to have curry at the first sitting.
How many students went to the second sitting and ate curry?

(4 marks)

Q6. Churton school and Denton school attended a university open day.
15% of the attendees were teachers, and the rest were students.
43% of the attendees were from Churton school. 45% of the attendees were students from Denton school. One of the attendees is selected at random.

Find the probability that they are a teacher from Churton school.

(4 marks)