

Question 5**(9 marks)**

A group of university students was asked the question 'Does full attendance at school lead to an improved examination result?'

The results are summarised below.

	Agree	Disagree	Undecided
Male under 20 years	8	22	6
Female under 20 years	6	20	8
Male 20 to 25 years	26	7	3
Female 20 to 25 years	30	9	5
Male over 25 years	24	3	2
Female over 25 years	18	2	1

(a) Complete the two-way table below.

(2 marks)

	Agree	Disagree	Undecided
Under 20	14		
20–25			
Over 25			3

(b) State the explanatory variable for these data.

(1 mark)

- (c) The incomplete table below shows row percentages.

	Percentages		
	Agree	Disagree	Undecided
Under 20		60	
20–25		20	
Over 25	84		

- (i) Show how the value of 20% was calculated. (2 marks)
- (ii) Complete the table. (2 marks)
- (d) Use the data to determine one association between the variables. Describe the association and explain your reasoning. (2 marks)