

- following table.

	Piano	Guitar	Drums
Male	25	44	11
Female	42	38	20

A student at the college is chosen at random.

- (a) Find the probability that the student plays the guitar. [1]

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- (b) Find the probability that the student is male given that the student plays the drums. [2]

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- (c) Determine whether the events ‘the student plays the guitar’ and ‘the student is female’ are independent, justifying your answer. [2]

This image shows a full page of white paper with ten horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and extend across the entire width of the page. There is no handwriting or other markings on the paper.