

1. 240 year 9 students were asked

“Do you plan to study R.E. at GCSE?”

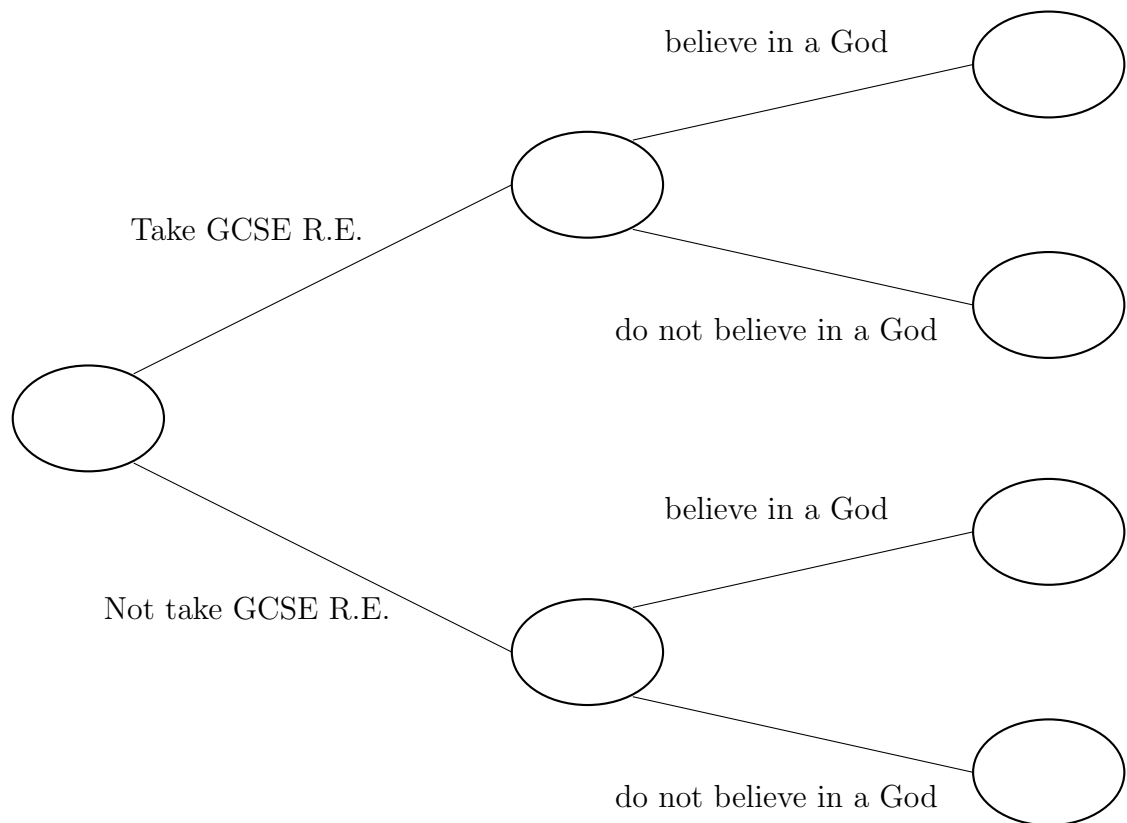
and “Do you believe in a God?”

185 don't plan to take R.E. at GCSE.

78 believe in a God but don't plan to study R.E. at GCSE.

145 students say they don't believe in a God.

(a) Use this information to complete the frequency tree.



One of the student is chosen at random.

(b) Work out the probability of that this student believes in a God and plans to study R.E. at G.C.S.E.

2. 180 students are asked if they play a musical instrument.

84 of the students are girls.

27 of the boys play a musical instrument.

115 of the students do **not** play a musical instrument.

(a) Use this information to complete the table below.

	play musical instrument	<b>don't</b> play musical instrument	Total
Girls			
Boys			
Total			180

One of the students is chosen at random.

(b) Work out the probability of that this student was a boy who **didn't** play an instrument.

Answers

Q1:

(a) 240

17  
55  
38  
78  
185  
107

(b)  $\frac{17}{240}$

Q2(a)	play	don't play	Total
Girls	38	46	84
Boys	27	69	96
Total	65	115	180

(b)  $\frac{69}{180}$  or  $\frac{23}{60}$