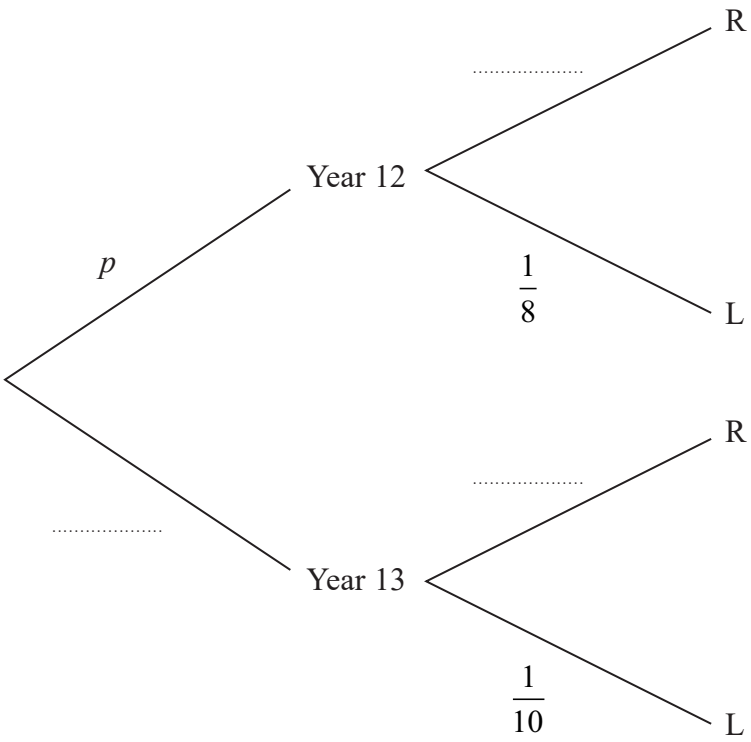
3. In a sixth form college each student in Year 12 and Year 13 is either left-handed (L) or right-handed (R).

The partially completed tree diagram, where p is a probability, gives information about these students.



(a) Complete the tree diagram, in terms of p where necessary.

(1)

The probability that a student is left-handed is 0.11

(b) Find the value of p

(3)

(c) Find the probability that a student selected at random is in Year 12 and left-handed.

(2)

Given that a student is right-handed,

(d) find the probability that the student is in Year 12

(2)

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Question 3 continued

(Total for Question 3 is 8 marks)