Practice worksheet | Probability

Conditional probabilities from tables/trees

Name: _____ Date: _____

6 questions | 14 marks

1. Using the club table, find P(drama|music). [2 marks]

Invented membership data for 60 students.

Music membership	Drama	Not drama	Total
Music	8	12	20
Not music	10	30	40
Total	18	42	60

2. Find P(not drama|not music). [2 marks]

Invented membership data for 60 students.

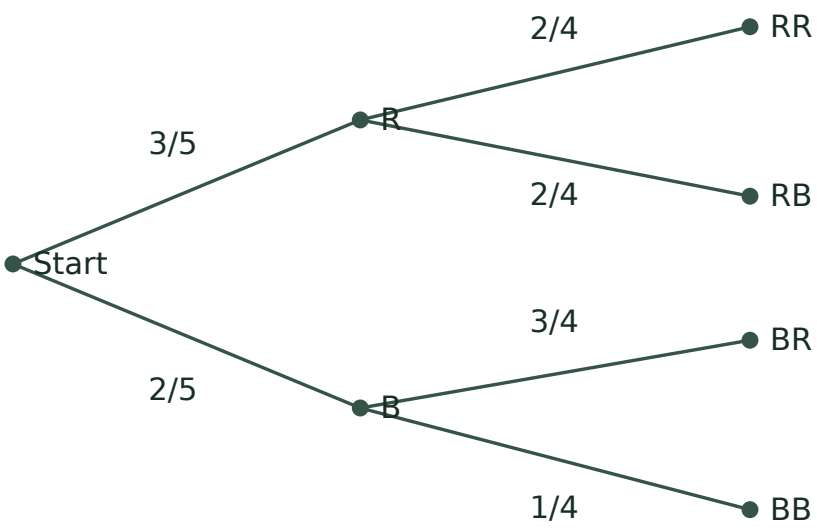
Music membership	Drama	Not drama	Total
Music	8	12	20
Not music	10	30	40
Total	18	42	60

3. Find P(music and drama). [2 marks]

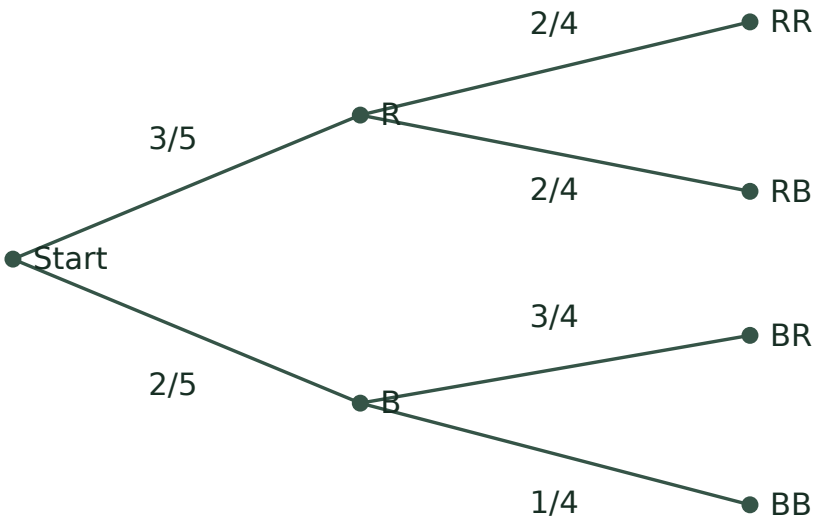
Invented membership data for 60 students.

Music membership	Drama	Not drama	Total
Music	8	12	20
Not music	10	30	40
Total	18	42	60

4. Use the tree to find P(two red). [2 marks]



5. Use the tree to find P(at least one red). [3 marks]



6. Explain how to check that a completed four-leaf tree is consistent. [3 marks]

