WORKSHEET

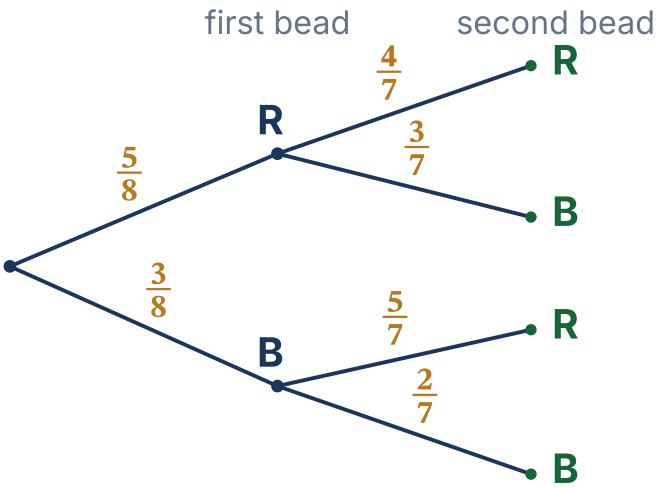
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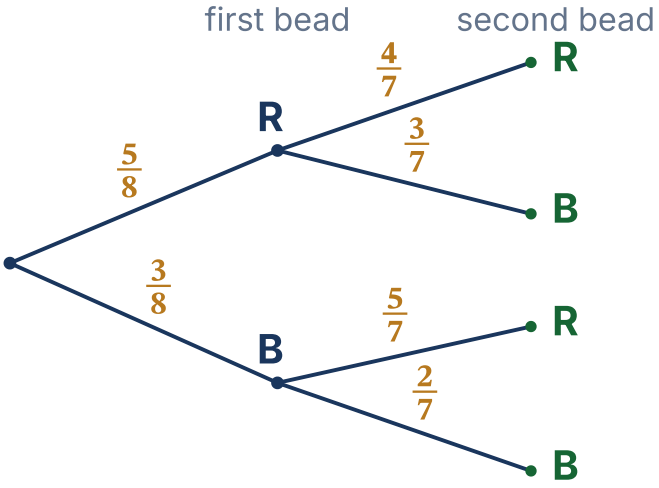
MARK ____ / 20

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

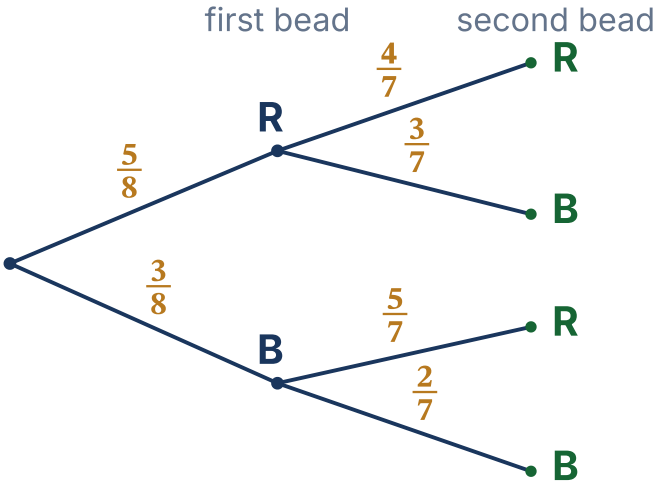
1 A bag holds 5 red and 3 blue beads. Two are drawn without replacement. Draw the tree diagram and calculate P(both red). **(4)**



2 Using the tree diagram below, calculate P(one of each colour). (3)



3 Using the tree diagram below, calculate P(both blue). (2)



4 If the two beads were drawn WITH replacement, calculate P(both red). (2)

5 In the two-way table (Male: 42 bus, 18 walk; Female: 28 bus, 12 walk), calculate P(female). **(2)**

6 For the same table, calculate P(walks to school). **(2)**

7 For the same table, determine whether 'male' and 'bus' are independent. **(3)**

8 State the rule for multiplying along a tree and adding between paths. **(2)**

TOTAL: 20 marks

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