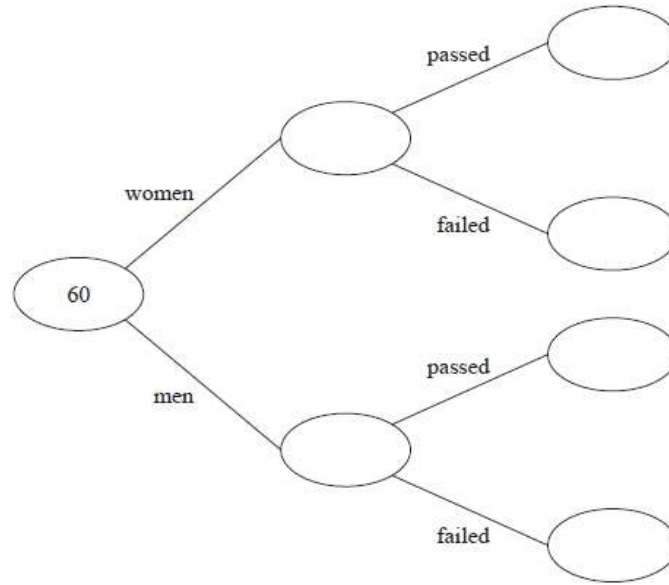# GCSE QUESTIONS

Q1. NON-CALCULATOR

60 people each took a driving test one day. 21 of these people were women.
18 of the 60 people failed their test. 27 of the men passed their test.

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

(3)

One of the men is chosen at random.
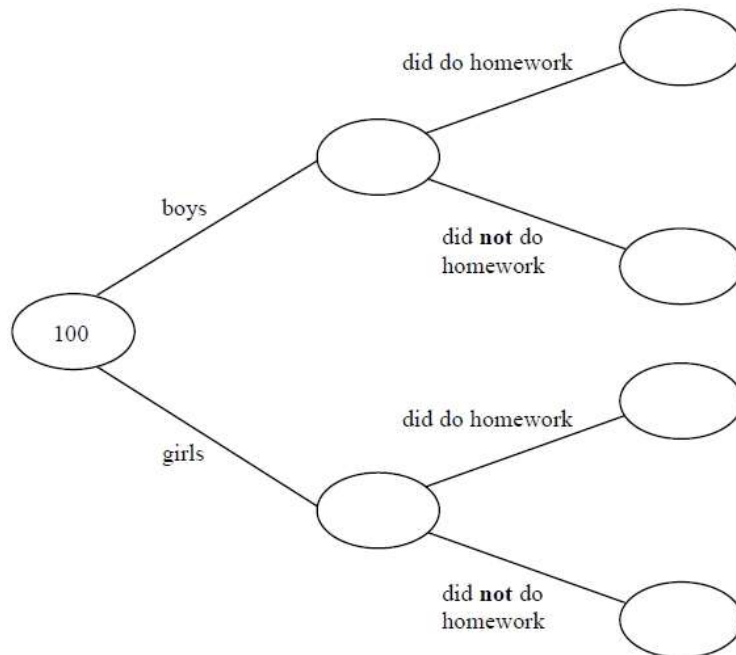(b) Work out the probability that this man failed his test.

....

(2)

(Total for question = 5 marks)

Q2. NON-CALCULATOR

100 students had some homework. 42 of these students are boys.
8 of the 100 students did **not** do their homework. 53 of the girls did do their homework.

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

(3)

One of the girls is chosen at random.
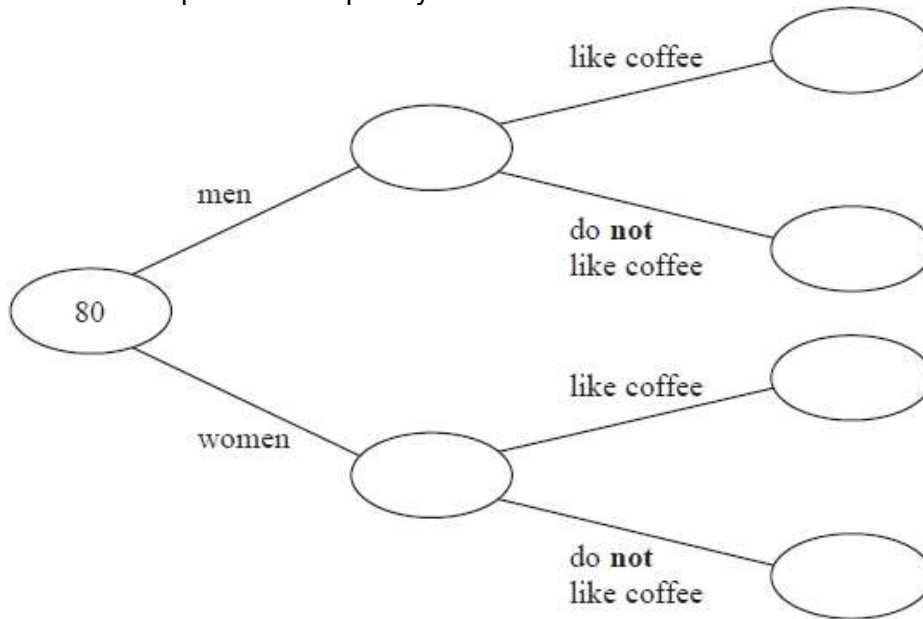(b) Work out the probability that this girl did **not** do her homework.

....

(2)

(Total for question = 5 marks)

Q3. NON-CALCULATOR

80 people are asked if they like coffee. 48 of these people are women. 61 of the 80 people like coffee. 8 of the men do **not** like coffee.

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

(3)

One of the people who like coffee is chosen at random.

(b) Find the probability that this person is a woman.

....

(2)

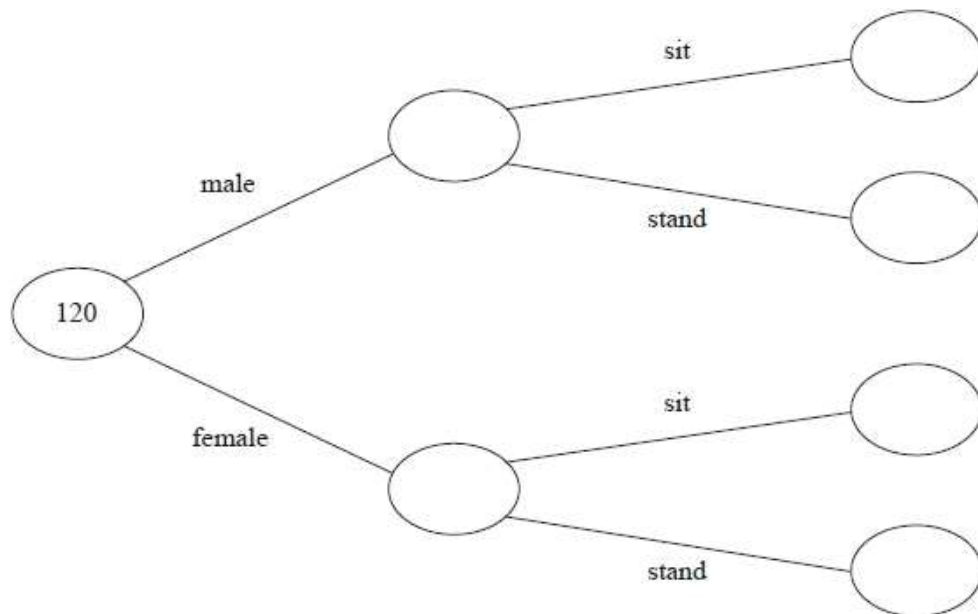**(Total for question = 5 marks)**

Q4. NON-CALCULATOR

120 people were at a hockey match. Each person was asked if they wanted to stand or to sit to watch the match.

　75 of the people were female; 29 of the males wanted to stand; 30 of the people wanted to sit

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

(3)

One of the 120 people is chosen at random.

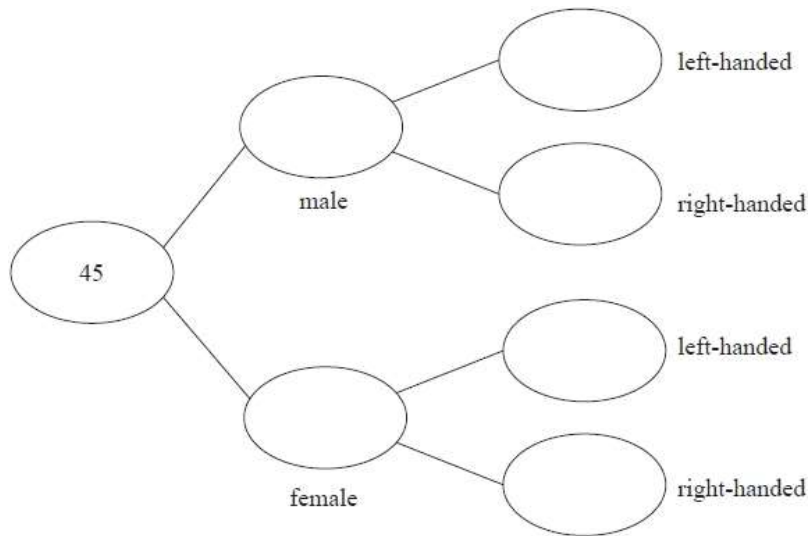(b) Write down the probability that this person is a male who wanted to stand.

....

(1)

(Total for question = 4 marks)

Q5. CALCULATOR ALLOWED

Each worker in a factory is either left-handed or right-handed.

22 of the 45 workers are male.   16 of the 34 right-handed workers are female.

Complete the frequency tree for this information.

(Total for question = 3 marks)
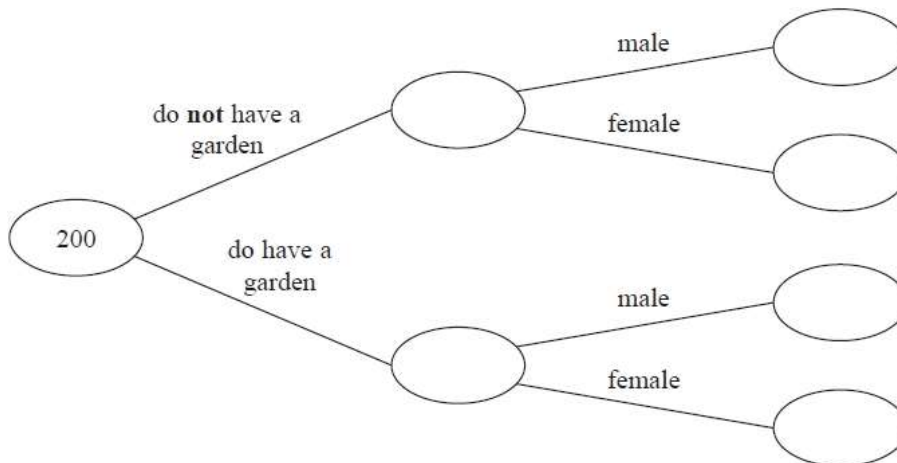
Q6. CALCULATOR ALLOWED

200 people live in a village.

23 people do **not** have a garden.
10 males do **not** have a garden.
95 people are male.

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

(3)

One of the people who does **not** have a garden is chosen at random.

(b) Write down the probability that this person is female.

....

(2)

(Total for question = 5 marks)