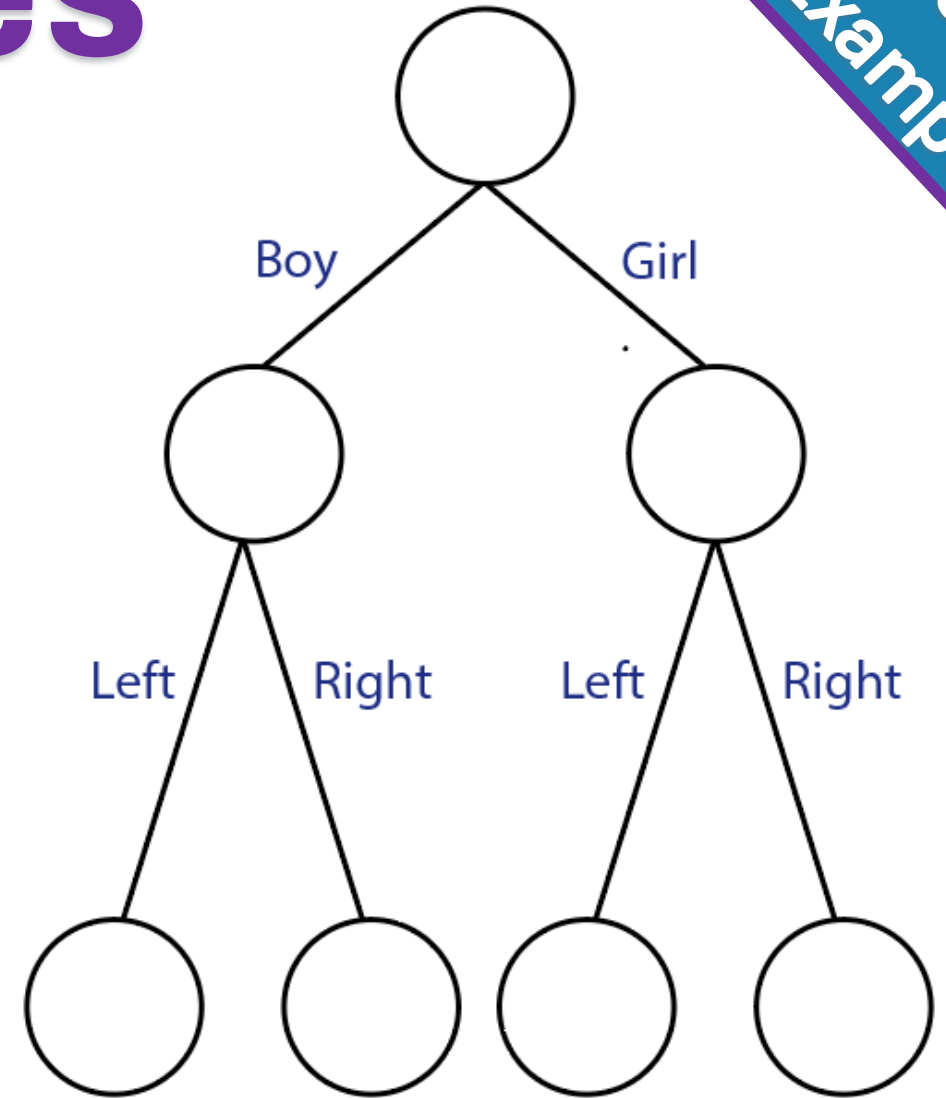


Frequency Trees

A survey was completed to determine how many people were left or right handed.

		Left Handed	Right Handed
Gender	Boy	7	23
	Girl	8	22

Complete a frequency tree to show this data.



Teaching
Example



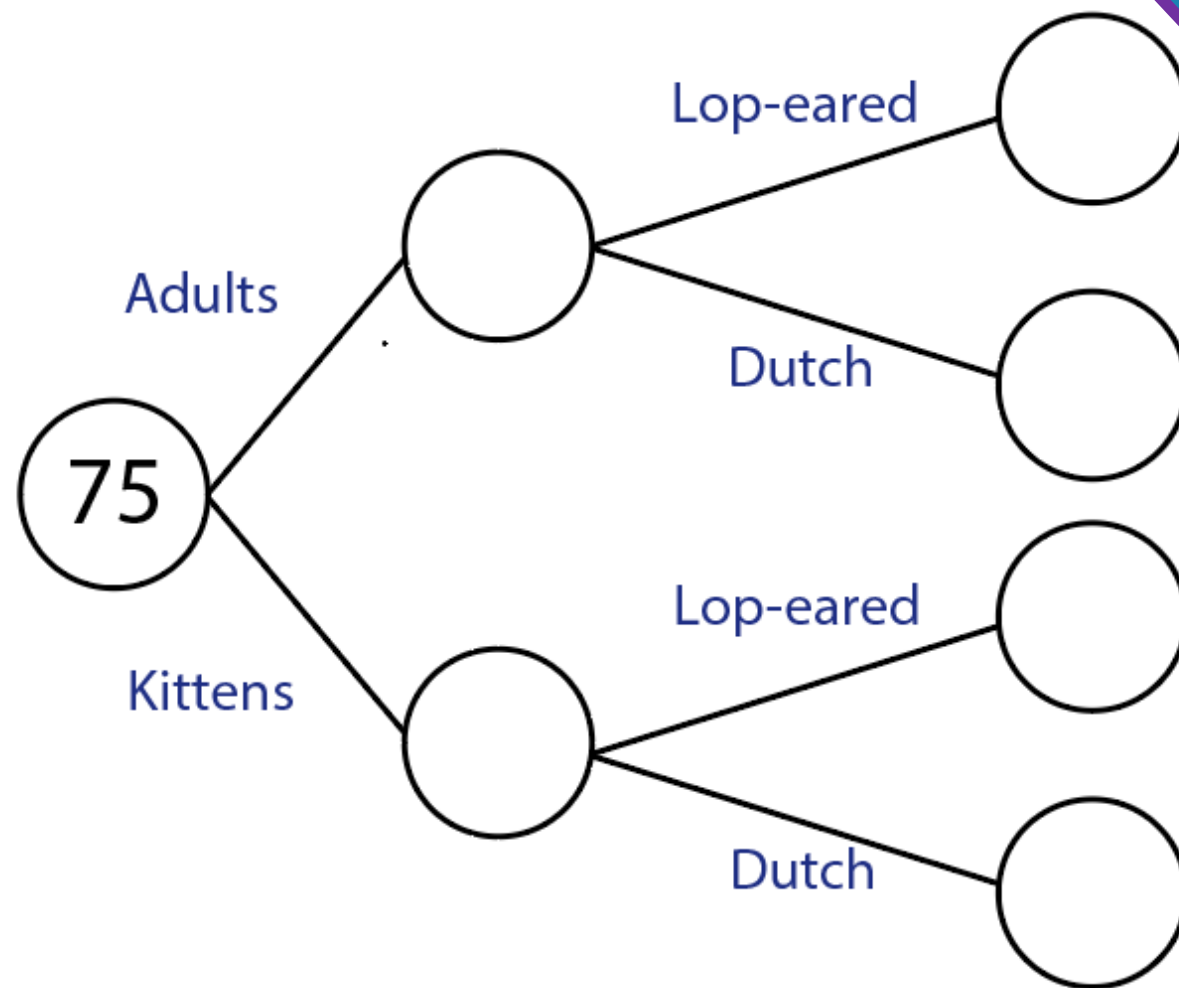
A farm has 75 rabbits: lop-eared or Dutch, and either adults or kittens.

- 20 of the 48 adults are lop-eared.
- 15 of the kittens are Dutch.

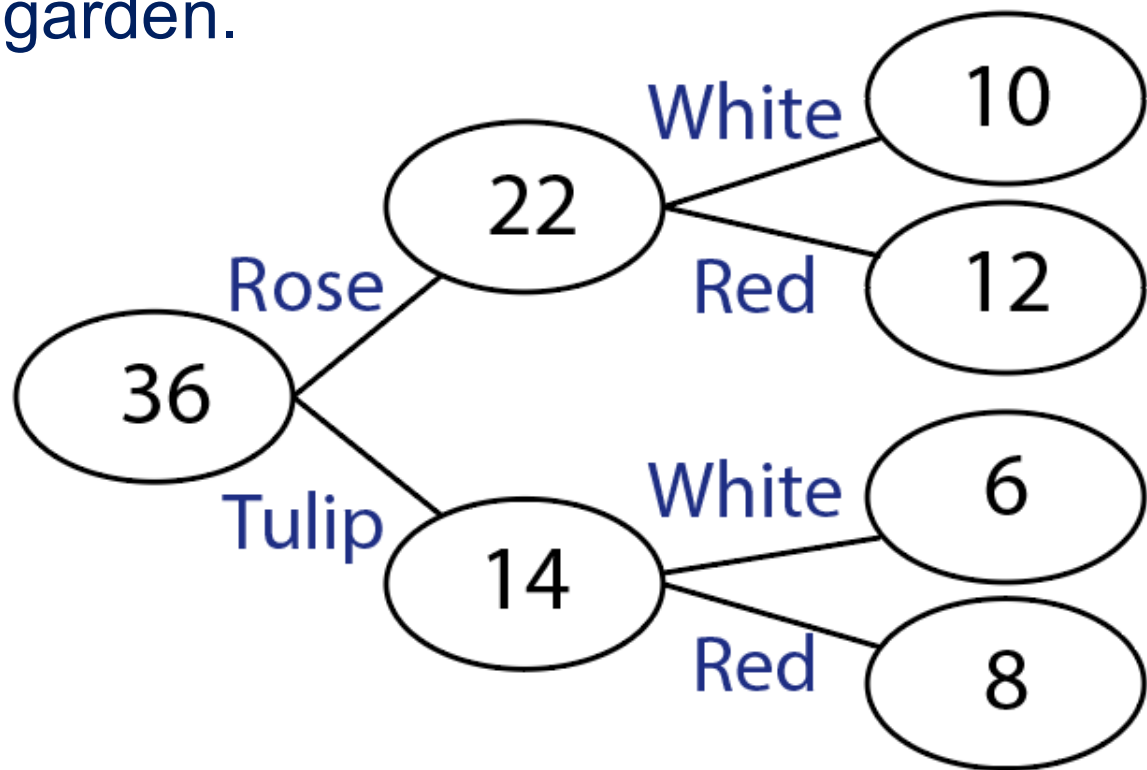
Complete the frequency tree.

One rabbit is selected at random.

Find the probability that this rabbit is an adult Dutch rabbit.



A gardener makes the following frequency tree for white and red roses and tulips that they grow in their local garden.



	White	Red
Rose		
Tulip		

Use the frequency tree to complete the two-way table.



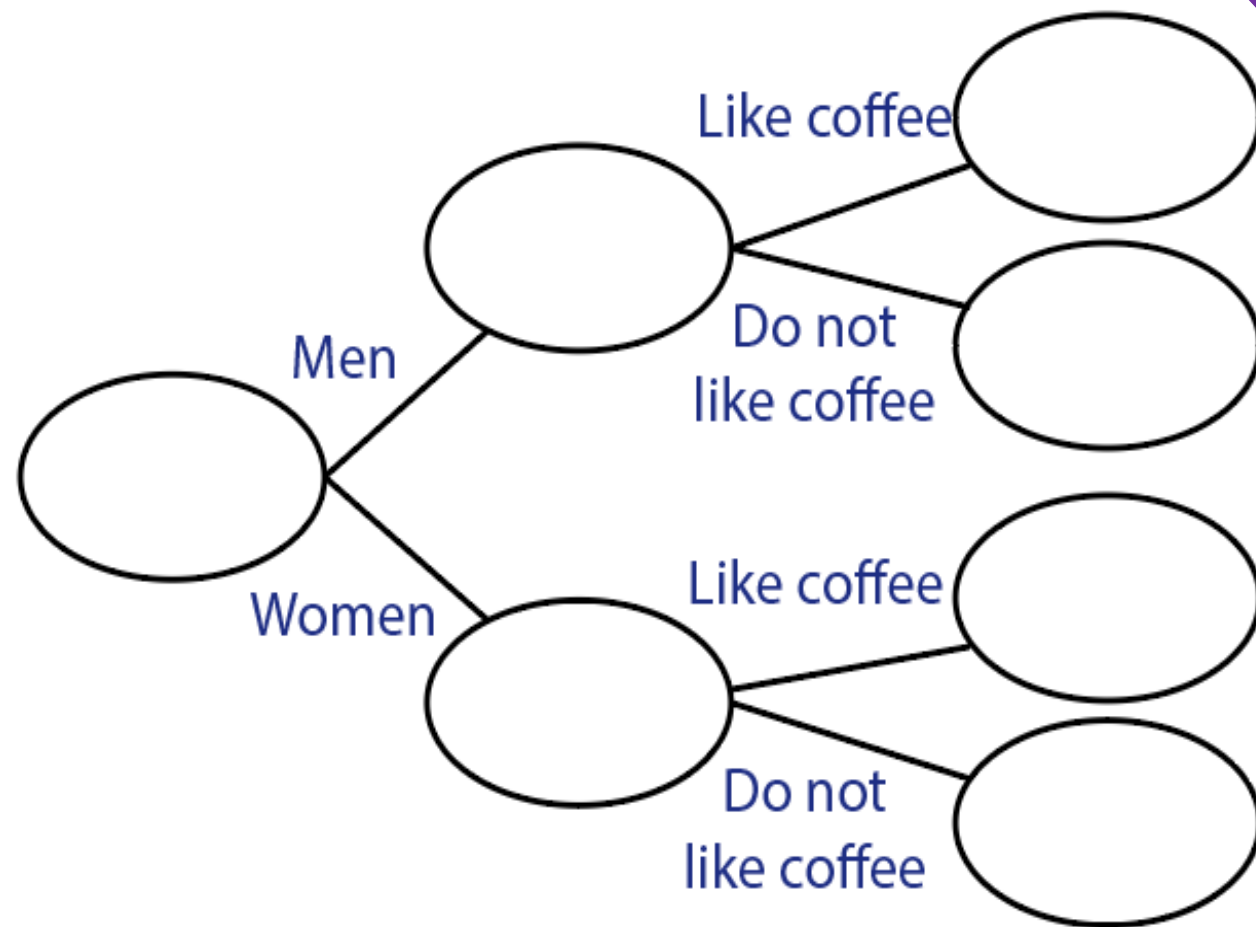
A survey is taken to see how many workers like to drink coffee.

- 70 workers are asked in total.
- 42 of these people are women.
- 49 of the 70 workers like to drink coffee.
- 10 of the men do not like to drink coffee.

a) Complete the frequency tree.

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

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



There are 180 apartments in a town.

- 70 apartments do not have a balcony.
- 45 apartments do not have a balcony, and do not have a garden.
- 105 apartments have a garden.

a) Use this information to complete the frequency tree.

One of the apartments in the town is picked at random.

b) Find the probability of the apartment having either: no balcony and no garden or having both a balcony and a garden.

