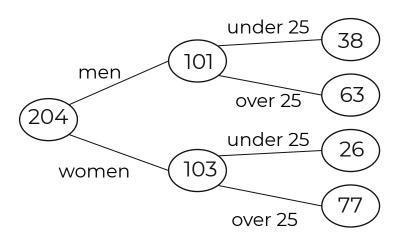
Maths



1. The frequency tree shows some information about men and women.



A person is randomly selected.

Find the following

- a) P(man)
- b) P(man who is under 25)
- c) P(person is over 25)



2. There were 80 deliveries to a factory in a week.

Deliveries are on time or late.

They can be accepted or rejected.

- 36 were late.
- 9 deliveries were rejected.
- 39 deliveries were on time and accepted.

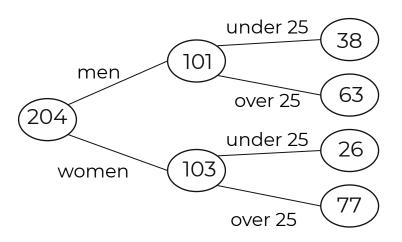
- a) Draw a frequency tree to present the information.
- b) Calculate the following
- (i) P(on time)
- (ii) P(accepted)
- (iii) P(accepted given that it was late)



Answers



1. The frequency tree shows some information about men and women.



A person is randomly selected.

Find the following

- a) P(man)
- b) P(man who is under 25) c) P(person is over 25) $\frac{140}{204}$



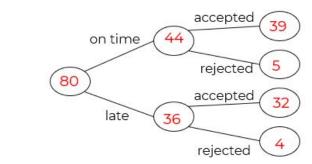
2. There were 80 deliveries to a factory in a week.

Deliveries are on time or late.

They can be accepted or rejected.

- 36 were late.
- 9 deliveries were rejected.
- 39 deliveries were on time and accepted.

a) Draw a frequency tree to present the information.



b) Calculate the following

(i) P(on time)
$$\frac{44}{80}$$

(ii) P(accepted)
$$\frac{71}{80}$$

(iii) P(accepted given that it was late)



32