

AQA – Statistical sampling – A2 Mathematics P3**1. June/2020/Paper_3/No.15**

A political party is holding an election to choose a new leader.

A statistician within the party decides to sample 70 party members to find their opinions of the leadership candidates.

There are 4735 members under 30 years old and 8565 members 30 years old and over.

The statistician wants to use a sample of 70 party members in the survey.

He decides to use a random stratified sample.

- (a) Calculate how many of each age group should be included in his sample.

[2 marks]

- (b) Explain how he could collect the random sample of members under 30 years old.

[3 marks]

2. June/2019/Paper_3/No.11

Lenny is one of a team of people interviewing shoppers in a town centre.

He is asked to survey 50 women between the ages of 18 and 29

Identify the name of this type of sampling.

Circle your answer.

[1 mark]

simple random

stratified

quota

systematic