

Paper Reference 9ST0/01  
Pearson Edexcel  
Level 3 GCE

Statistics  
Advanced  
PAPER 1: Data and Probability

Wednesday 5 June 2024 – Morning

Data Booklet

THIS DATA BOOKLET MUST BE RETURNED WITH THE  
ANSWER BOOKLET AT THE END OF THE EXAMINATION.

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

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Question 2

Total goals	Probability
0	0.1
1	0.15
2	0.3
3	0.25
4	0.1
5	0.05
6	0.05

Question 4

From a large group of student volunteers, Dahlia selected those aged 18 to 35 years with no health issues for her experiment.

The table below shows the numbers of her selected volunteers, in six groups, by age and sex at birth.

		Sex at birth	
		Female	Male
Age	18–24	51	37
	25–29	34	26
	30–35	21	18

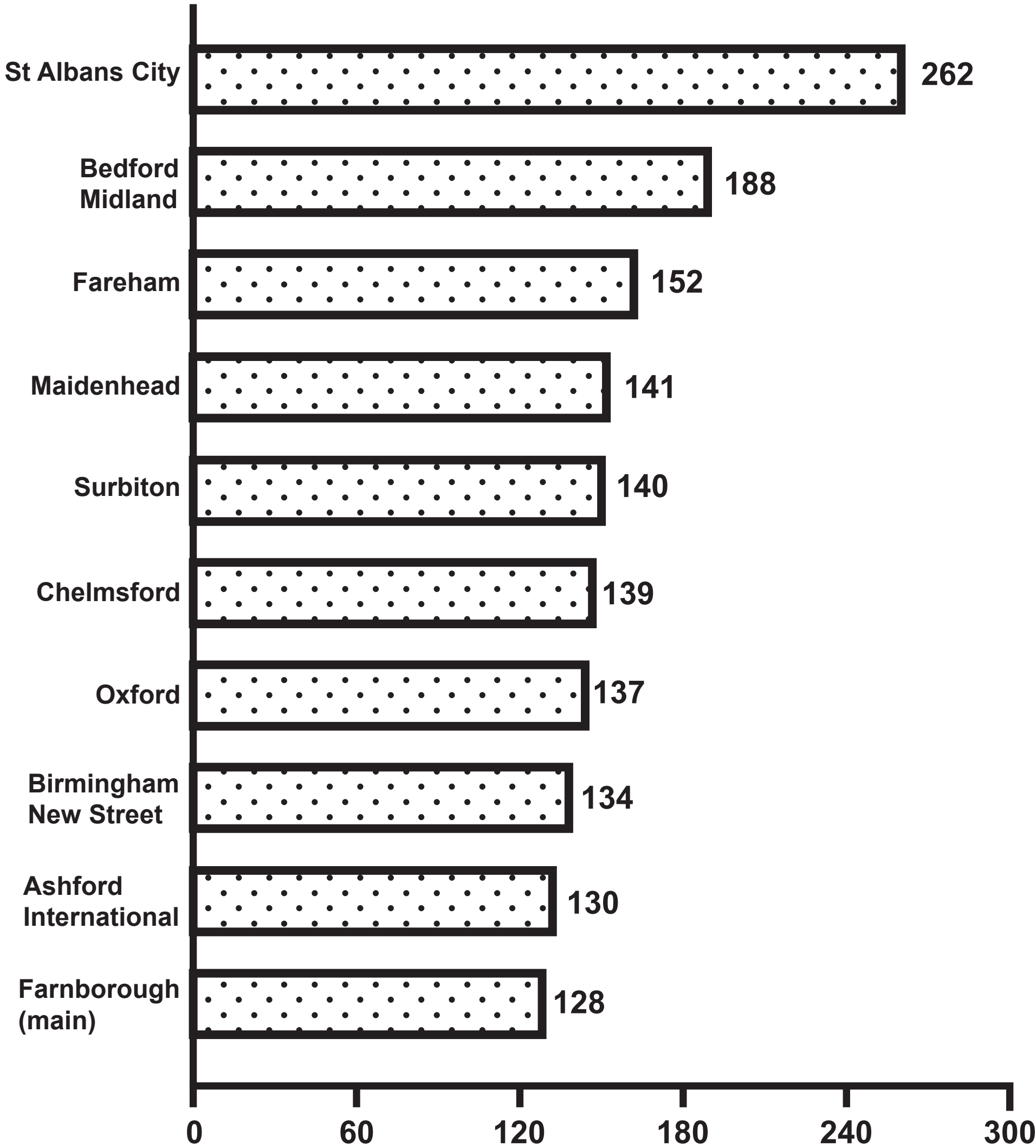
Dahlia randomly chose 10 volunteers from each of the six groups in the table.

For each group, for lunch every day for four weeks, 5 were asked to eat 75 grams of quinoa and 5 were asked to eat 75 grams of couscous. Couscous is another edible grain, known to have little effect on blood glucose level.

Volunteers had their blood glucose levels measured by a monitor. Measurements from the monitor were obtained at the start of the four weeks, then weekly throughout the four weeks. Each measurement was taken at 10:00 on a Monday.

Question 5

**Railway stations with the most bicycle thefts**  
**Total bicycles stolen from 2016–2019**



Question 6(b) and 6(c)



Question 8

		Ingrid's result		
		Win	Draw	Loss
Ingrid's classification	Stronger	15%	40%	45%
	Similar	25%	50%	25%
	Weaker	45%	40%	15%

## Sources

### Question 5

[Source adapted from: <https://www.bbc.co.uk/news/uk-england/49154673>,  
Data source: British transport police]