

Paper Reference 8FM0/23
Pearson Edexcel
Level 3 GCE

Further Mathematics
Advanced Subsidiary
Further Mathematics options
23: Further Statistics 1
(Part of options B, E, F and G)

Data Booklet

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

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some data sheets in case you need them.

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

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Question 1

	Treatment	
	Applied	Not applied
Number of years free from this disease	$y < 1$	25
	$1 \leq y < 2$	61
	$2 \leq y$	140

Question 3

Table 1

Number of heads	Observed frequency
0	2
1	27
2	93
3	181
4	146
5	51

Question 3

Table 2

Number of heads	Expected frequency
0	5·12
1	38·40
2	115·20
3	172·80
4	129·60
5	38·88

Question 4

x	P(X = x)
0	p
2	0.25
3	q
6	0.4