

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)

Thursday 17 May 2018 – Afternoon

Data Book

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 BOOK MUST BE RETURNED WITH THE ANSWER BOOK AT THE END OF THE EXAMINATION.

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Question 1

Table 1

Number of orchids in each square metre	Number of squares
0	30
1	42
2	35
3	26
4	11
5	6
6	0

Table 2

Number of orchids in each square metre	Number of squares
0	26·07
1	45·62
2	39·91
3	23·28
4	10·19
5	3·57
More than 5	r

Question 3(b)

w	P(W = w)
1	a + b
2	a
4	0.3
5	a
c	b

Question 4

		Treatment		
		No action	Plant sprayed once	Plant sprayed every day
Outcome	Plant died within a month			17.92
	Plant survived for 1 – 6 months	10.32	18.92	13.76
	Plant survived beyond 6 months	6.24	11.44	8.32