

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.**

Contents

Page

4 Question 1–Table 1

5 Question 1–Table 2

6 Question 3(b)

7 Question 4

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

Question 1–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

		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