

**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.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## 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

Number of years free from this disease	Treatment	
	Applied	Not applied
	15	25
	35	61
$y < 1$	124	140
$1 \leq y < 2$		
$2 \leq y$		

## 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	$0.4$