

Paper Reference 9FM0/3B
Pearson Edexcel
Level 3 GCE

Further Mathematics
Advanced
PAPER 3B: Further Statistics 1

Friday 13 June 2025 – Afternoon
Time: 1 hour 30 minutes

Diagram Booklet

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In the boxes below, write your name, centre number and
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INSTRUCTIONS

There may be spare copies of some diagrams.

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Spare Copies

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Question 2

x	−1	a	b
P(X = x)	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$

Table 1: Observed frequencies

Period Test result	1990–1999	2000–2004	2005–2013	Total
Pass	45	70	65	180
Fail	75	90	55	220
Total	120	160	120	400

Question 3 – Table 2

Table 2: Expected frequencies

Period Test result	1990–1999	2000–2004	2005–2013
Pass			54
Fail			66

Question 3 – Table 3

Table 3: Percentages

Period Test result	1990–1999	2000–2004	2005–2013
Pass (%)	37·5	43·75	54·17
Fail (%)	62·5	56·25	45·83
Total (%)	100	100	100

Question 3 – Table 2 – spare copy

Table 2: Expected frequencies

Period Test result	1990–1999	2000–2004	2005–2013
Pass			54
Fail			66