



Oxford Cambridge and RSA

AS Level Mathematics B (MEI)

H630/02 Pure Mathematics and Statistics

Printed Answer Booklet

Wednesday 23 May 2018 – Morning

Time allowed: 1 hour 30 minutes


You must have:

- Question Paper H630/02 (inserted)

You may use:

- a scientific or graphical calculator



First name					
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Last name					
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Centre number					
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Candidate number					
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INSTRUCTIONS

- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the barcodes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Final answers should be given to a degree of accuracy appropriate to the context.

INFORMATION

- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is used. You should communicate your method with correct reasoning.
- The Printed Answer Booklet consists of **12** pages. The Question Paper consists of **8** pages.

1(A)																			
1(B)																			
2(i)	<table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Time in minutes</td> <td style="padding: 5px;">15 –</td> <td style="padding: 5px;">20 –</td> <td style="padding: 5px;">25 –</td> <td style="padding: 5px;">35 –</td> <td style="padding: 5px;">45 – 60</td> </tr> <tr> <td style="padding: 5px;">Number of runners</td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">23</td> <td style="padding: 5px;">59</td> <td style="padding: 5px;">71</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Frequency density</td> <td style="padding: 5px;">2.4</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">5.9</td> <td style="padding: 5px;">7.1</td> <td style="padding: 5px;">1.4</td> </tr> </table> <p style="margin: 10px auto;">Fig. 2</p>	Time in minutes	15 –	20 –	25 –	35 –	45 – 60	Number of runners	12	23	59	71		Frequency density	2.4		5.9	7.1	1.4
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Number of runners	12	23	59	71															
Frequency density	2.4		5.9	7.1	1.4														
2(ii)																			
3																			

4(i)	

4(ii)	

5	
6	

7(i)	
7(ii)	

7(iii)

8

(answer space continued on next page)

9	

10(i)(A)	
10(i)(B)	
10(ii)	

11(i)	
11(ii)(A)	
11(ii)(B)	
11(ii)(C)	
11(ii)(D)	
11(ii)(E)	

11(iii)	
12(i)	
12(ii)	

12(iii)	
12(iv)	
12(v)(A)	
12(v)(B)	

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