



Oxford Cambridge and RSA

Wednesday 13 October 2021 – Afternoon

A Level Mathematics A

H240/02 Pure Mathematics and Statistics

Printed Answer Booklet

Time allowed: 2 hours

You must have:

- Question Paper H240/02 (inside this document)
- a scientific or graphical calculator



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s)

Last name

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided in the **Printed Answer Booklet**. If you need extra space use the lined pages at the end of the Printed Answer Booklet. The question numbers must be clearly shown.
- Answer **all** the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for using a correct method, even if your answer is wrong.
- Give non-exact numerical answers correct to **3** significant figures unless a different degree of accuracy is specified in the question.
- The acceleration due to gravity is denoted by $g \text{ m s}^{-2}$. When a numerical value is needed use $g = 9.8$ unless a different value is specified in the question.

INFORMATION

- The total mark for this paper is **100**.
- The marks for each question are shown in brackets [].
- This document has **20** pages.

ADVICE

- Read each question carefully before you start your answer.

Section A: Pure Mathematics

1(a)	
1(b)	
2	

3	
	First term
Common difference	

DO NOT WRITE IN THIS SPACE

4(a)	
4(b)	
4(c)	
4(d)	

4(e)

4(f)

5(b) (continued)	
6(a)	
6(b)	
6(c)	

8(a)	
8(b)	

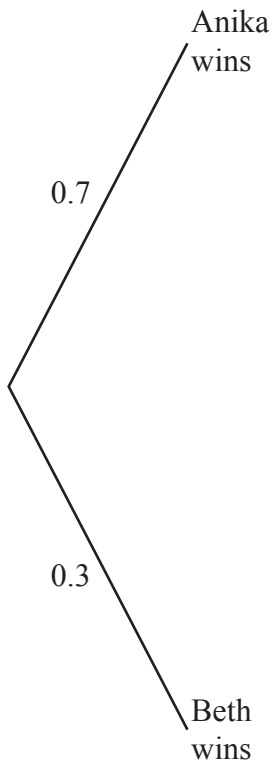
Section B: Statistics

10(a)	
10(b)	

11(a)	
11(b)	
11(c)	

12(a)

12(b)



12(c)	
12(d)	
12(e)	

13(a)	
13(b)	
13(c)(i)	
13(c)(ii)	

14(a)	
14(b)	
14(c)	

14(d)	

