



Oxford Cambridge and RSA

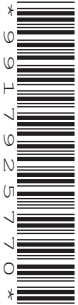
**Tuesday 13 June 2023 – Afternoon**

**A Level Mathematics B (MEI)**

**H640/02 Pure Mathematics and Statistics**

**Printed Answer Booklet**

**Time allowed: 2 hours**



**You must have:**

- Question Paper H640/02 (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

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**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 your final answers to a degree of accuracy that is appropriate to the context.

**INFORMATION**

- This document has **20** pages.

**ADVICE**

- Read each question carefully before you start your answer.

Section A (25 marks)

<b>1</b>	
<b>2(a)</b>	
<b>2(b)</b>	

<b>3</b>	
<b>4(a)</b>	
<b>4(b)</b>	
<b>4(c)</b>	

5


6


7	

**DO NOT WRITE IN THIS SPACE**

**Section B (75 marks)**

<b>8(a)</b>	
<b>8(b)</b>	
<b>8(c)</b>	

**DO NOT WRITE IN THIS SPACE**

<b>9(a)</b>	
<b>9(b)</b>	
<b>9(c)</b>	
<b>9(d)</b>	





<b>11(a)</b>	

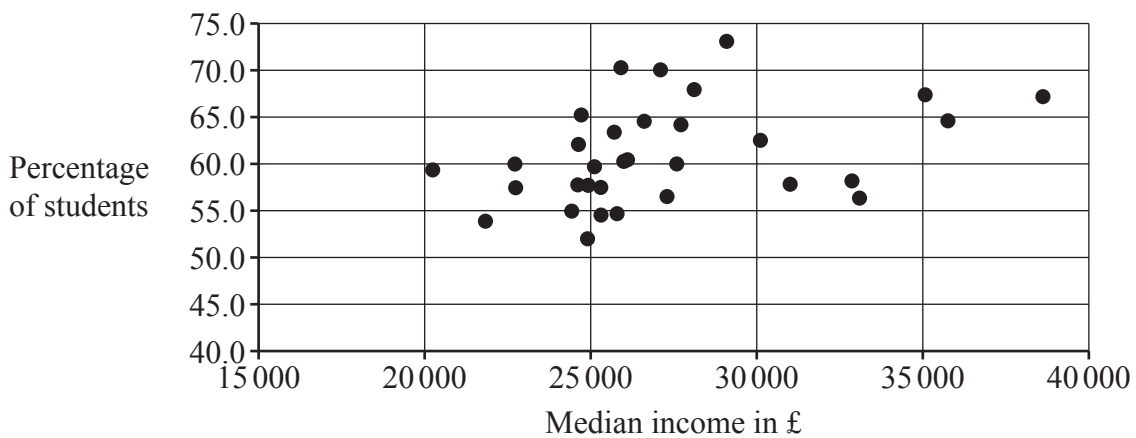
<b>11(b)</b>	

<b>12(a)</b>	
<b>12(b)</b>	
<b>12(c)</b>	
<b>13(a)</b>	
<b>13(b)</b>	

<b>13(c)</b>	
<b>13(d)</b>	
<b>14(a)</b>	
<b>14(b)</b>	

14(c)


Scatter diagram to show percentage of pupils achieving 5 A\*-C grades against median income of taxpayers



14(d)


<b>15</b>	

<b>16(a)</b>	
<b>16(b)</b>	
<b>16(c)</b>	
<b>16(d)</b>	



<b>18(a)</b>	
<b>18(b)</b>	
<b>18(c)</b>	
<b>18(d)</b>	
<b>18(e)</b>	



<b>18(f)</b>	

**ADDITIONAL ANSWER SPACE**

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).



