

Line Graphs

Please write clearly in block capitals

Forename:

Surname:

Materials

For this paper you must have:

- mathematical instruments



You **can** use a calculator.

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

Advice

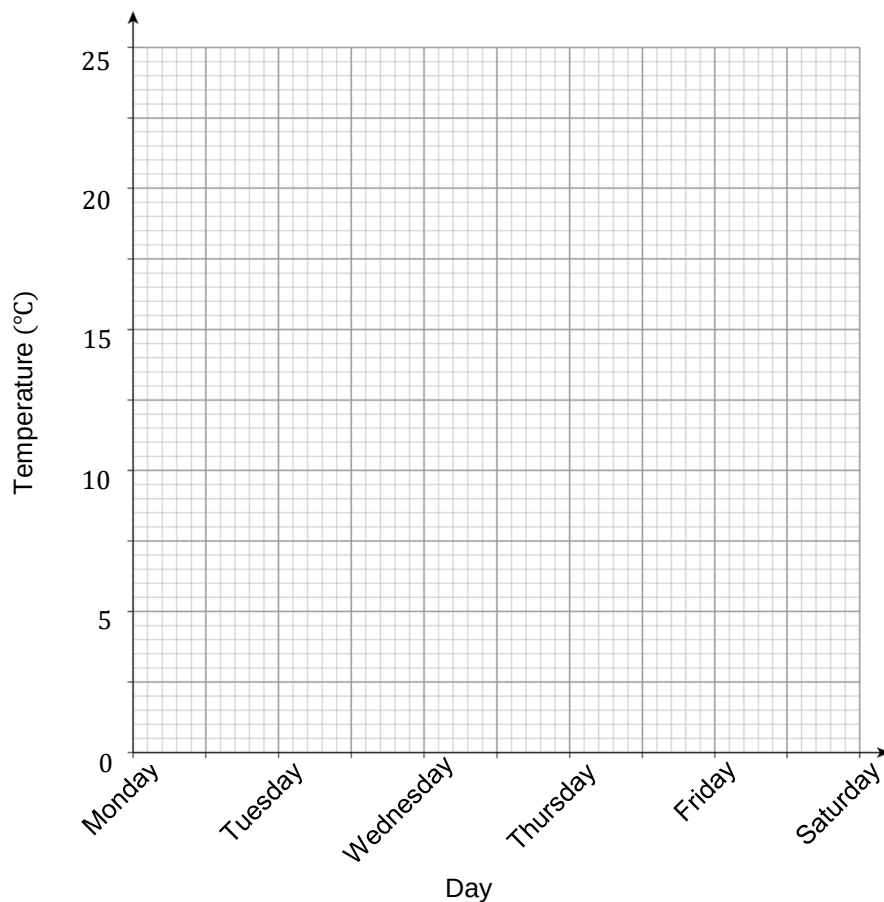
- In all calculations, show clearly how you work out your answer.

- 1 The temperature across the week for 6 days in July is recorded in the table below.

Day	Mon	Tue	Wed	Thurs	Fri	Sat
Temperature ($^{\circ}$ Celsius)	10	17	16	23	24	20

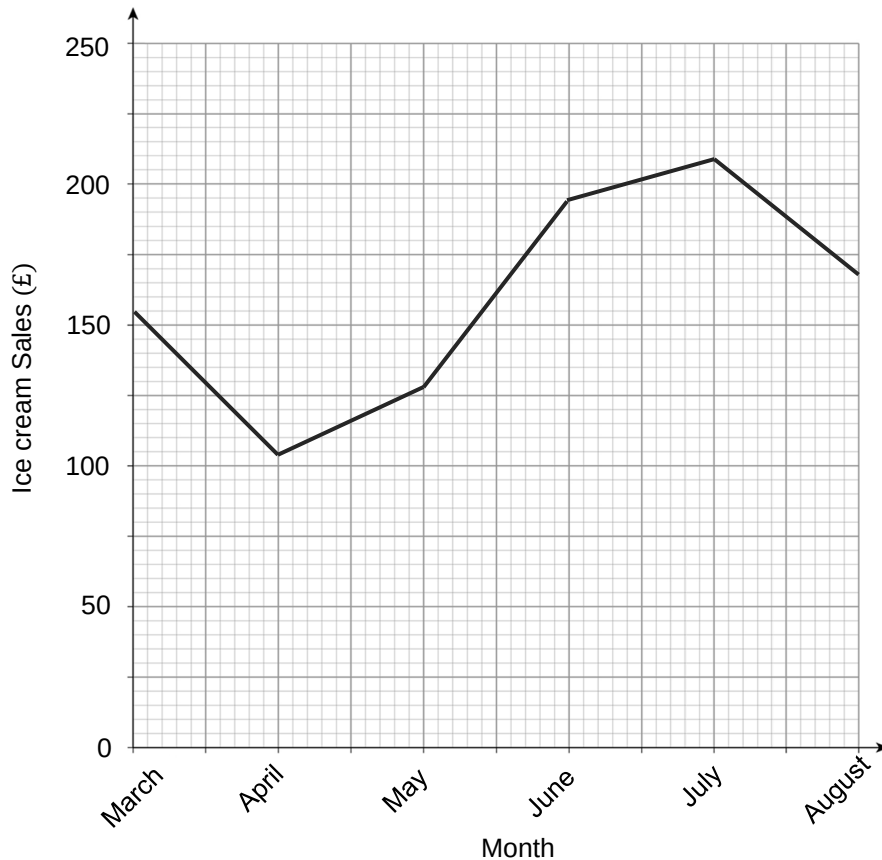
Use the information in the table above to plot a line graph on the axes below.

[2 marks]



Turn over for next question

- 2** The line graph below shows the average daily income for an ice cream van over 6 months.



- 2(a)** How much money in total did the ice cream van make in August?

[1 mark]

Answer _____

- 2(b)** Work out the range of income over the 6 month period.

[2 marks]

Answer _____

Turn over for next question

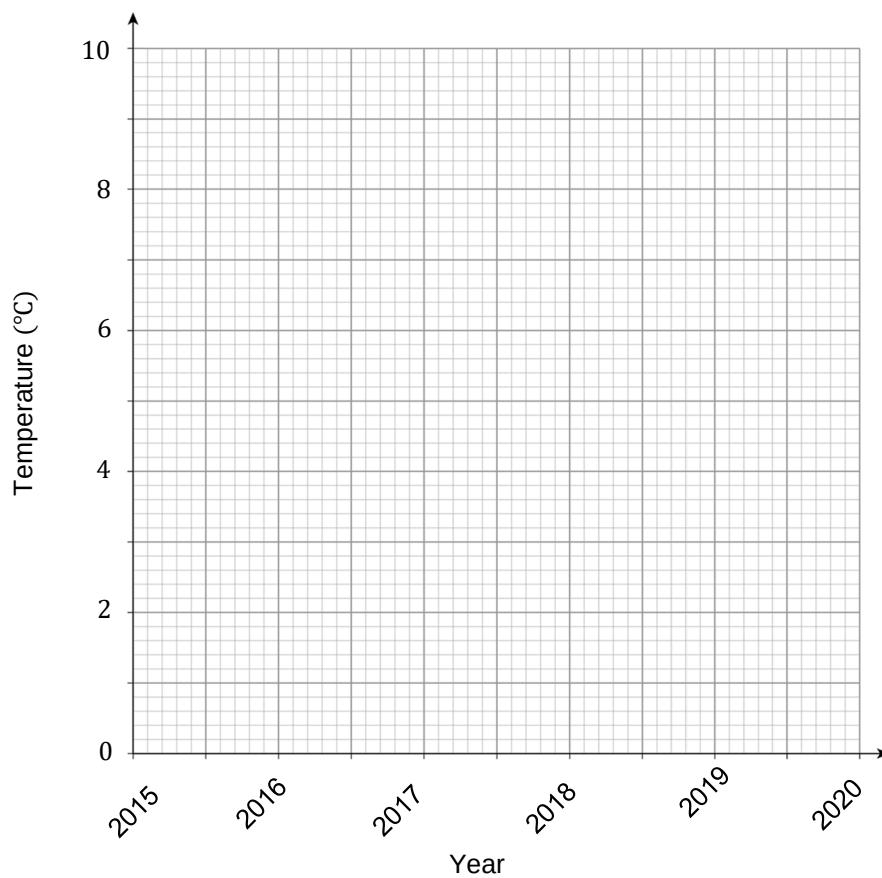
Turn over ►

- 3 The average temperature In February for the UK is displayed in the table below.

Year	2015	2016	2017	2018	2019	2020
Temperature ($^{\circ}\text{C}$)	4.3	5.2	6.8	3.1	6.9	6.4

Use the information in the table above to plot a line graph on the axes below.

[2 marks]



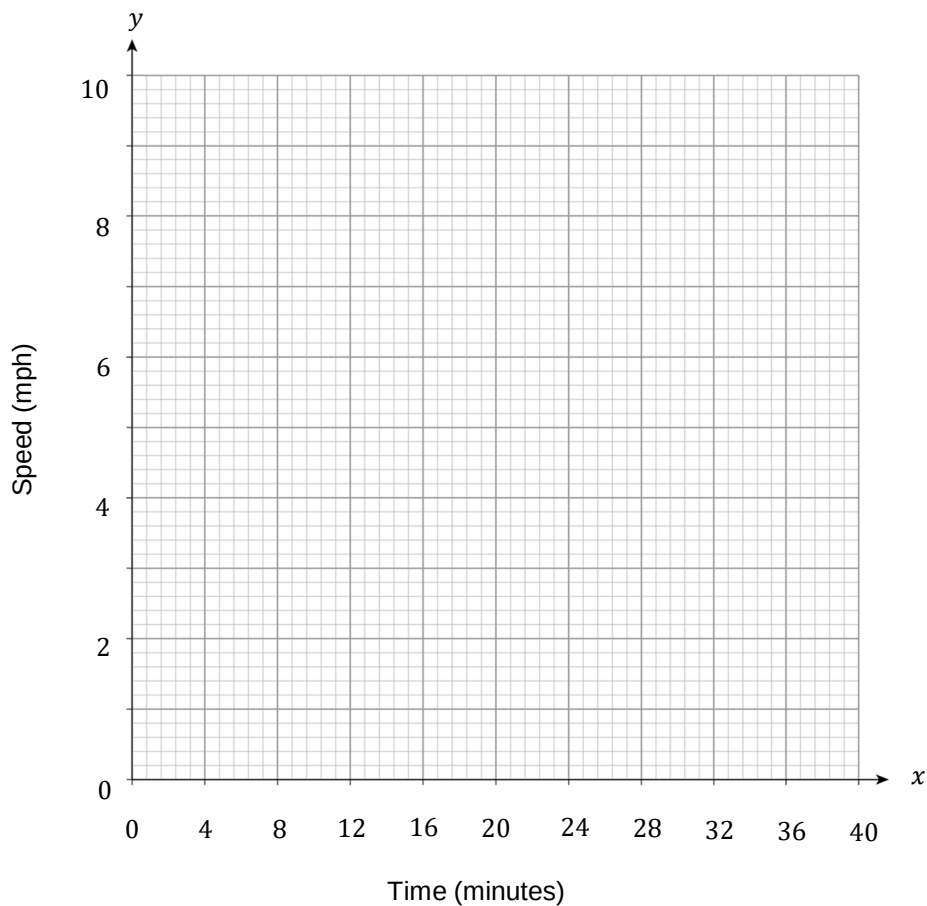
Turn over for next question

- 4 The average speed of a runner during a race is shown in the table below.

Time (minutes)	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	35 – 39
Speed (Mph)	7.1	6	5.2	5.2	4.3	3.8	2.9	5.2

Use the information in the table above to plot a line graph on the axes below.

[2 marks]



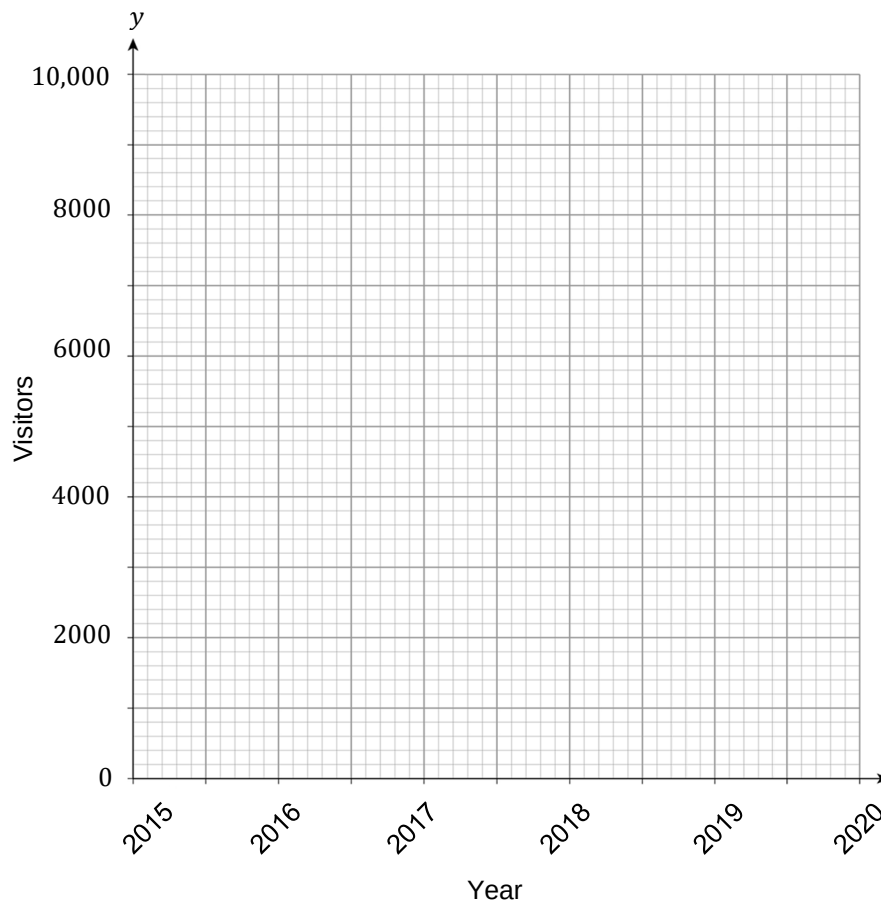
Turn over for next question

- 5 The average number of visitors for a museum is shown in the table below.

Year	2015	2016	2017	2018	2019	2020
Visitors	8600	7800	5200	6400	6200	4800

Use the information in the table above to plot a line graph on the axes below.

[2 marks]



End of Questions