



FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Entry Level 3

Line Graphs

Materials

- You **cannot** use a calculator for **questions** with this symbol.



Instructions

- Answer **all** questions.
- Answer questions on separate paper.

Information and Advice

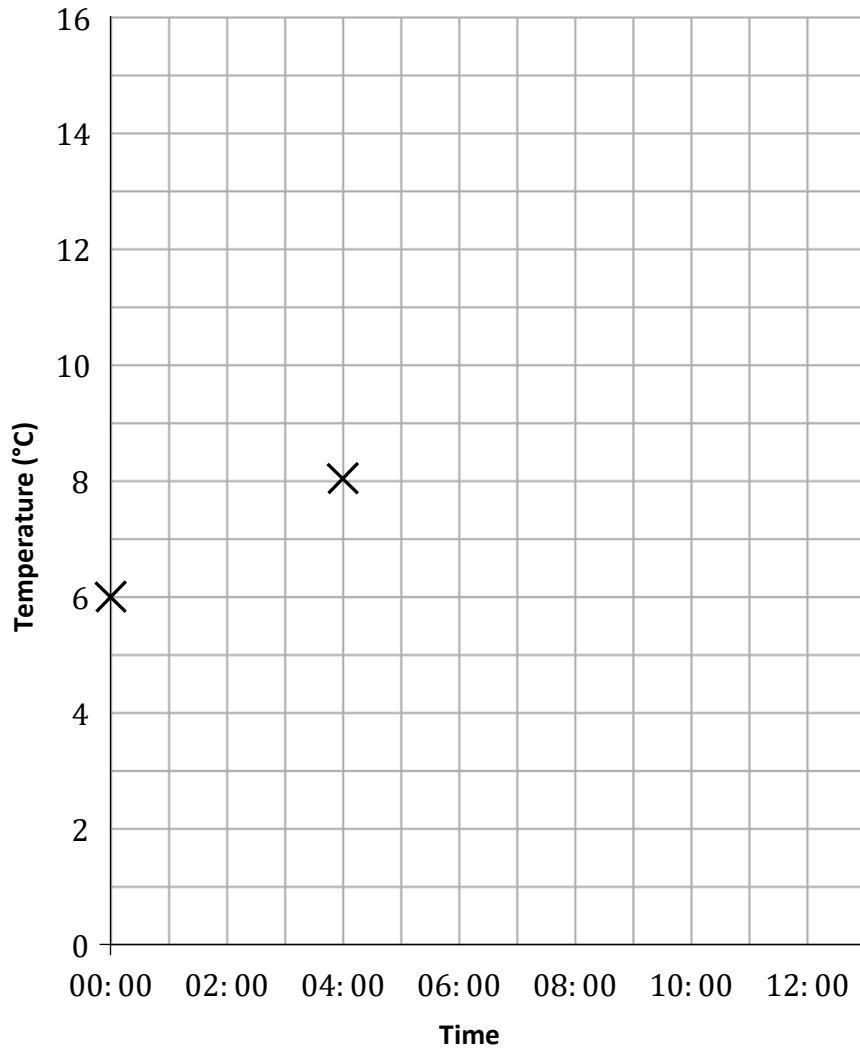
- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.

Q1

Here is an incomplete line graph and a table of results of the temperature in a 12 hour period.

Time	00:00	02:00	04:00	6:00	8:00	10:00	12:00
Temperature (°C)	6°C	7°C	8°C	10°C	13°C	15°C	16°C

A graph to show the temperature over a 12 hour period



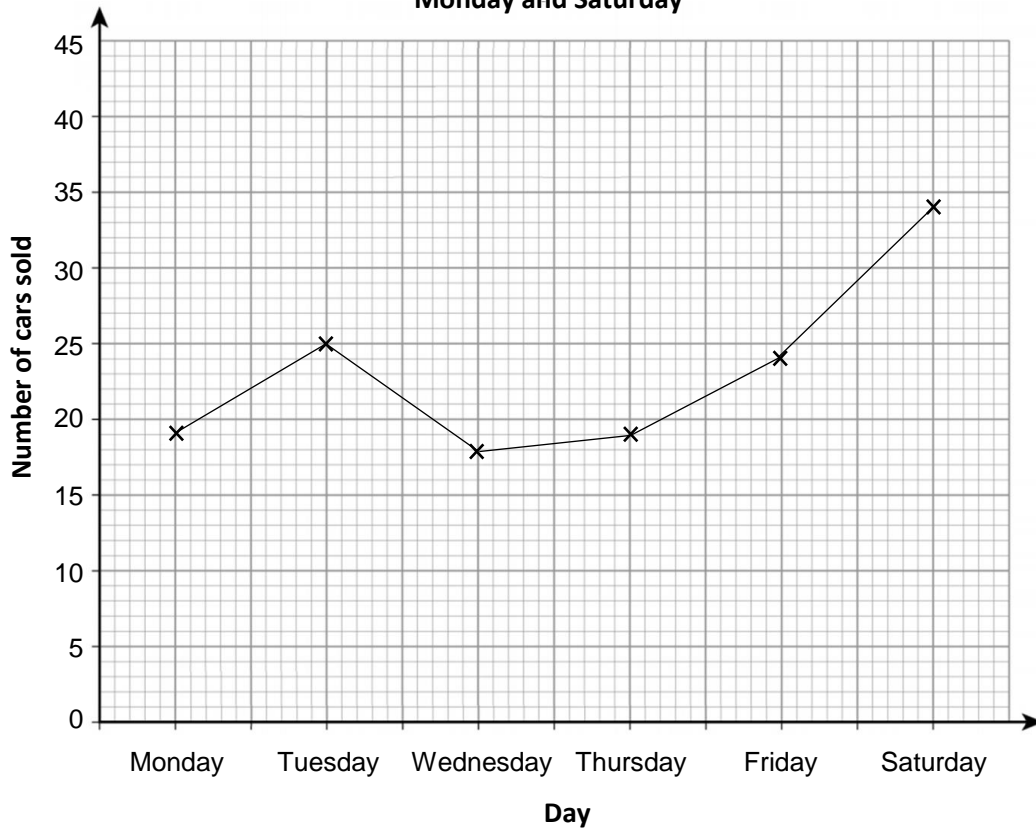
Complete the line graph.

[3 marks]

Turn over ►

Q2 The line graph below shows the number of car sales from Monday to Saturday.

A graph to show the number of cars sold between Monday and Saturday



2(a) How many cars were there sold on Thursday?

[1 mark]

2(b) On which day was there the most number of cars sold?

[1 mark]

2(c) How many cars were there sold in total between Monday and Saturday?

[2 marks]

Q3

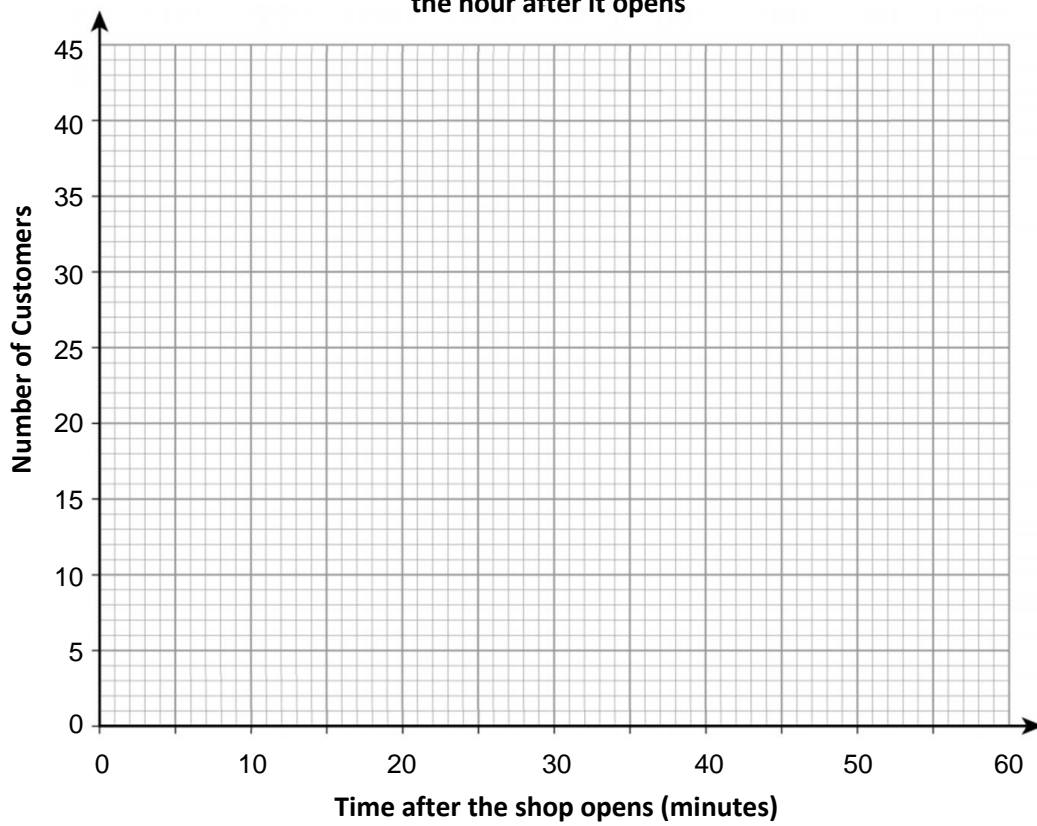
The table below shows data on the amount of customers in a shop in the hour after it opens.

Time (minutes)	0	10	20	30	40	50	60
Number of Customers	2	8	19	28	33	32	35

Complete the line graph to represent this data.

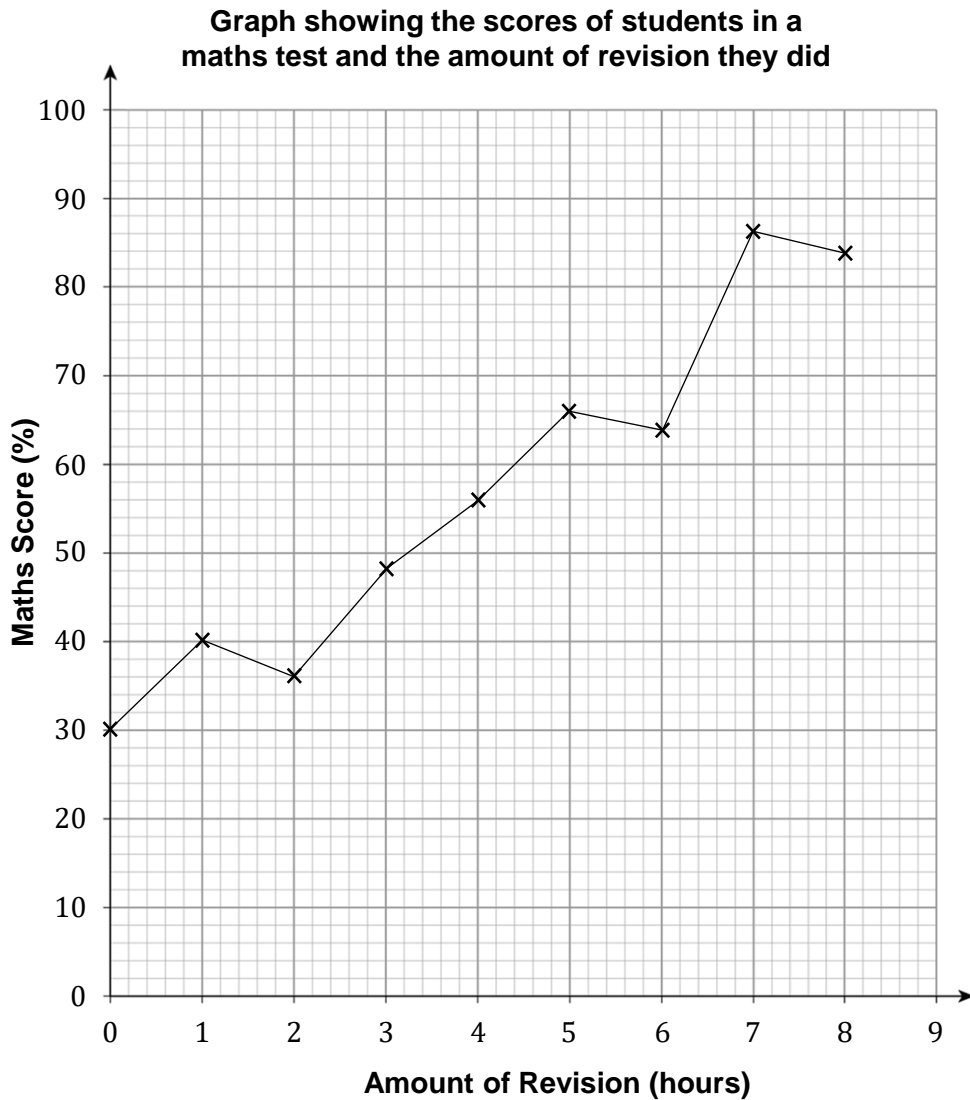
[3 marks]

A graph to show the number of customers in a shop in the hour after it opens



Turn over ►

Q4 The line graph below shows the maths scores and number of hours revision done of students in a class.



4(a) What score did the student who did 6 hours revision get?

[1 mark]

4(b) What was the highest score on the maths test?

[1 mark]

4(c) Another student is added to the line graph who did 3.5 hours revision, estimate their score on the test.

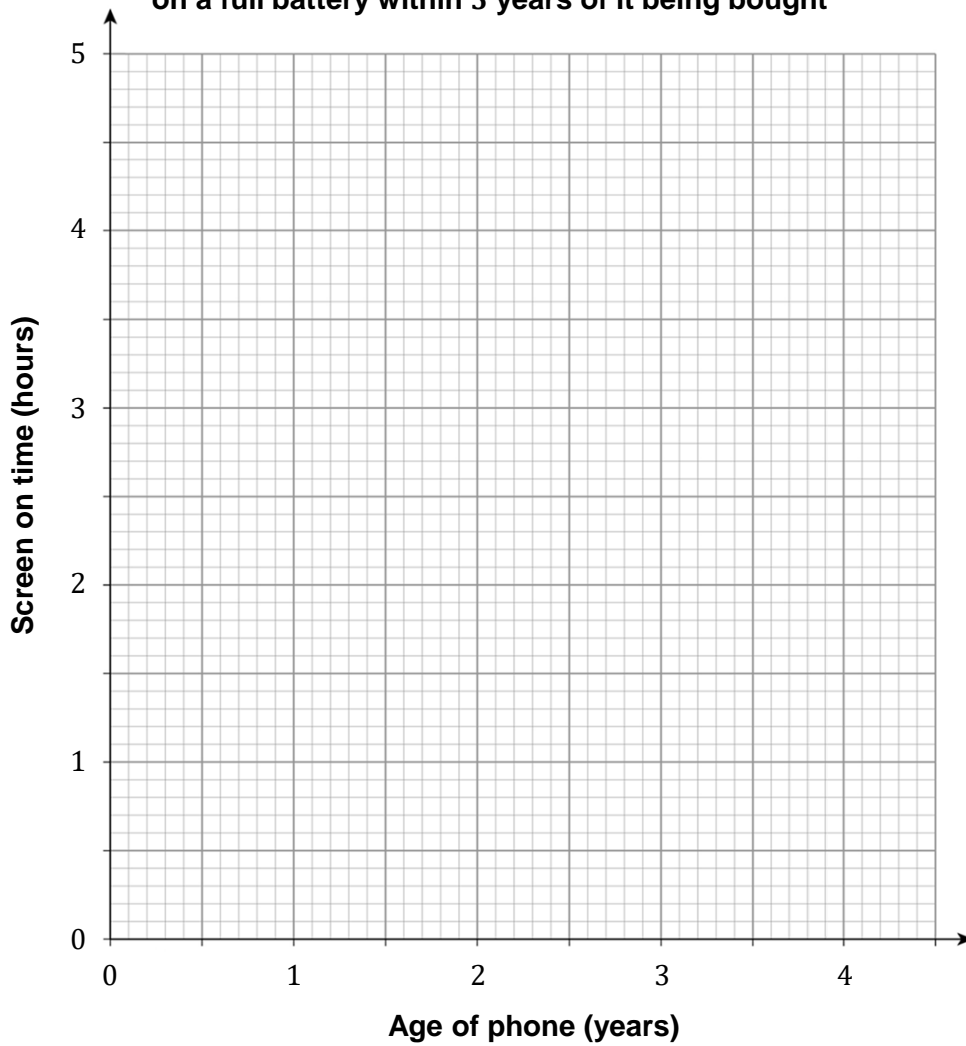
[1 mark]

Q5

The table below shows information on the amount of screen on time a phone produces on a full battery within 5 years of it being bought.

Age of phone (years)	0	1	2	3	4
Screen on time (hours)	4.5	4.1	3.6	3.0	2.3

Graph showing the screen on time a phone produces on a full battery within 5 years of it being bought



5(a) Complete the line graph.

[3 marks]

5(b) Use your line graph to estimate the screen on time of a phone that is 2.5 years old.

[1 mark]

4