

Paper Reference 1ST0/2H
Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

Statistics
Paper 2
(Calculator)
Higher Tier

Tuesday 18 June 2019 – Morning

Data Book

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some data sheets in case you need them.

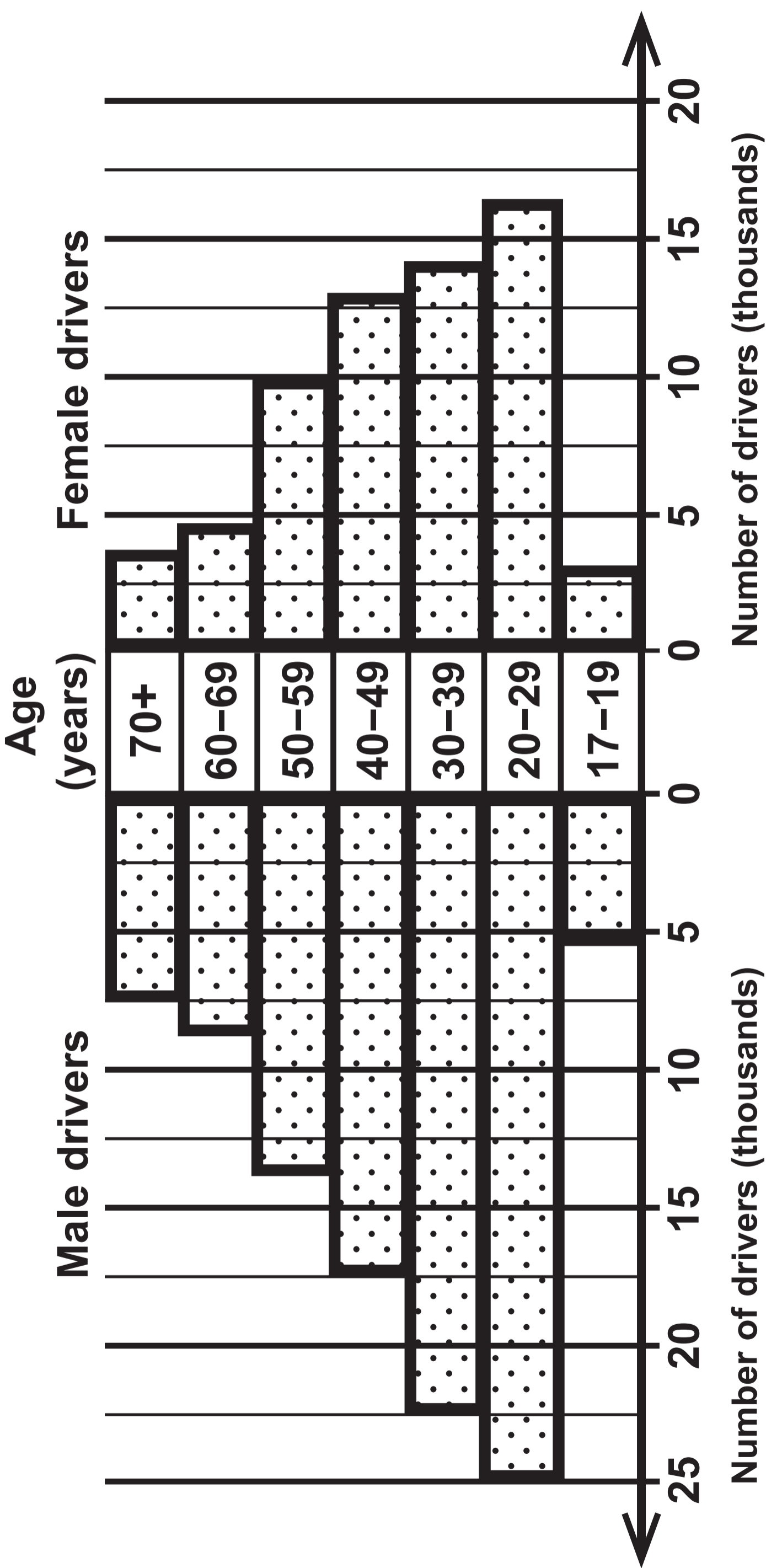
THIS DATA BOOK *MUST* BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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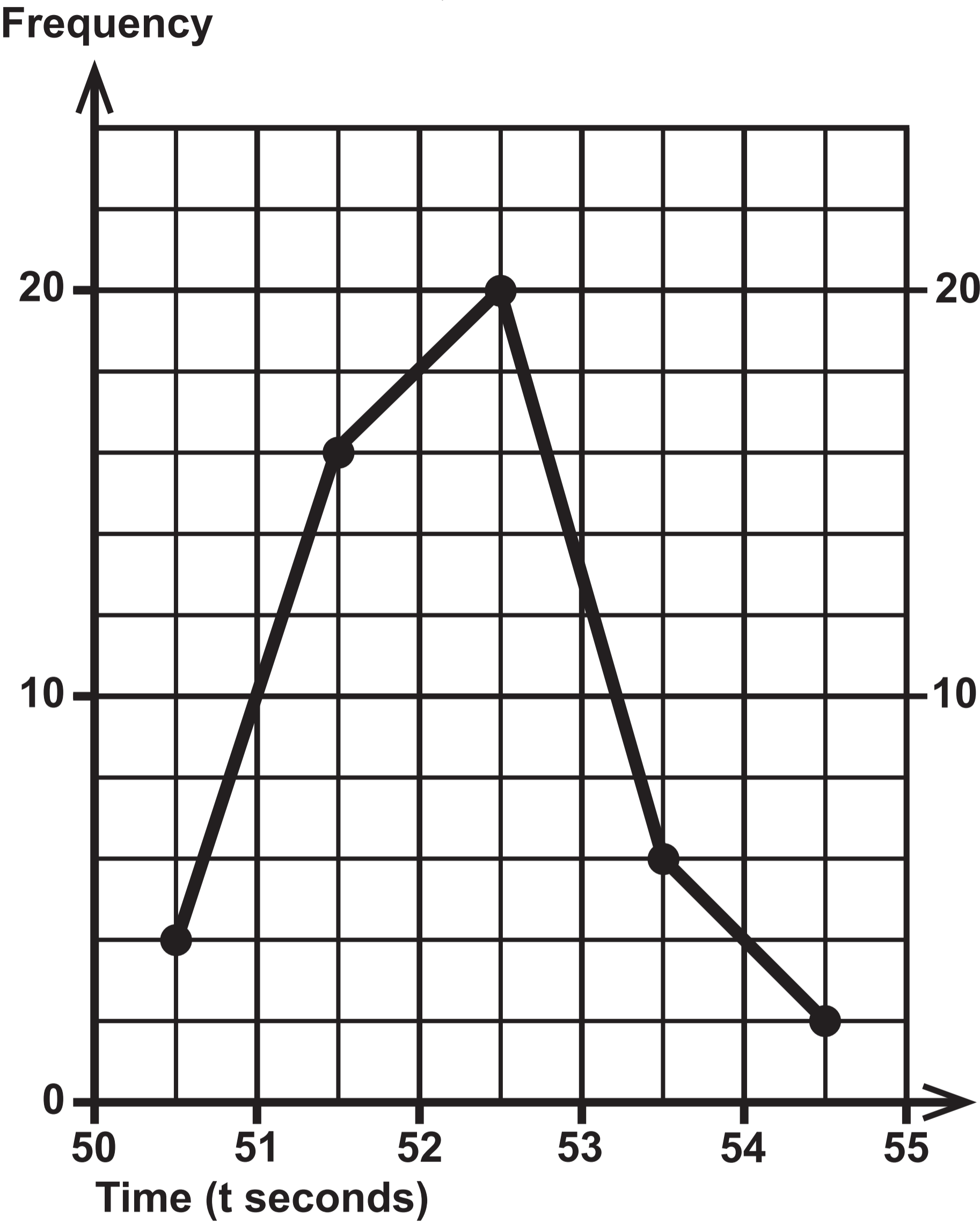
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Question 2



(Source: adapted from Department for Transport)

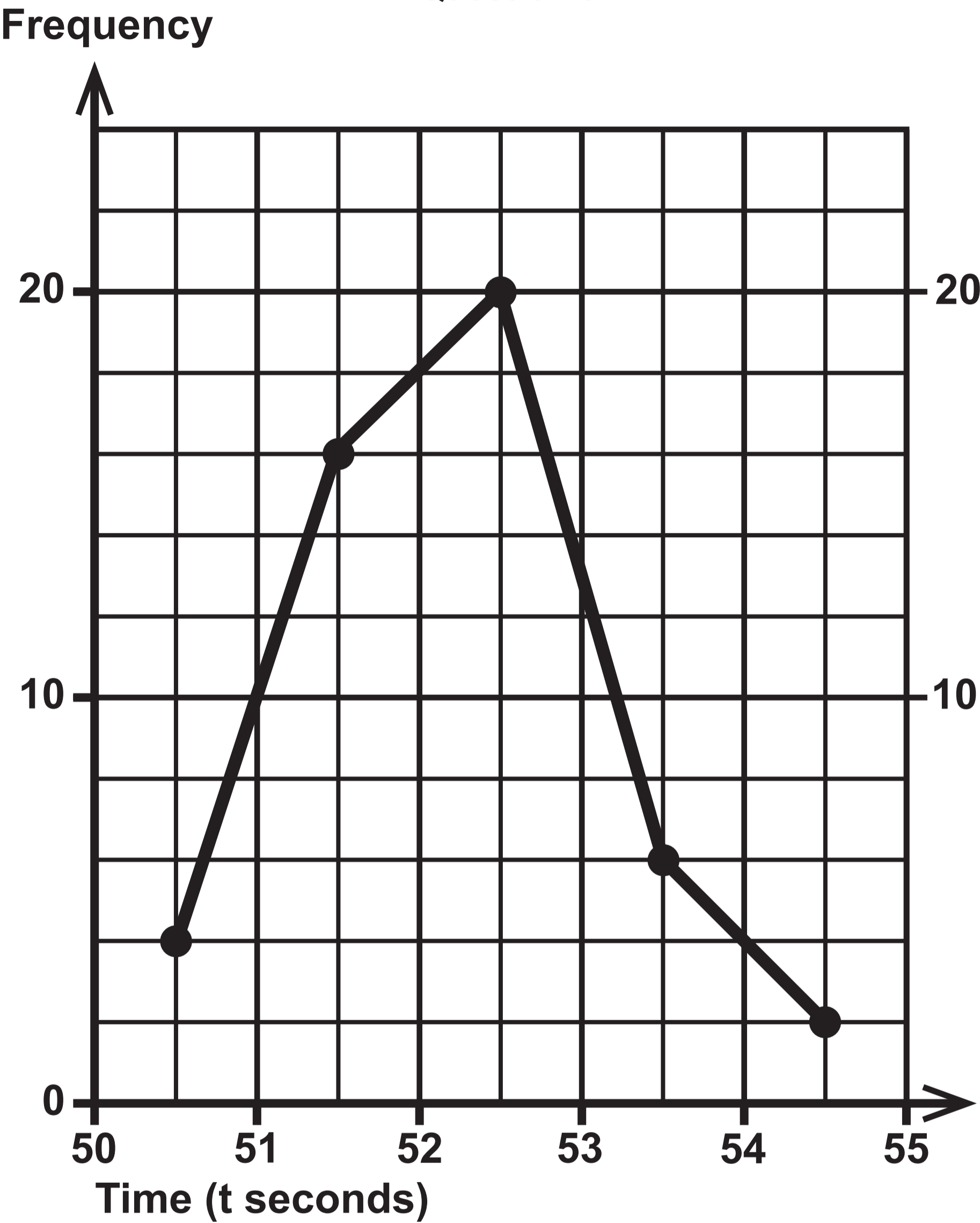
Question 3



(Source: adapted from www.iaaf.org)

Time (t seconds)	Frequency
_____ < t ≤ _____	6

Question 3



(Source: adapted from www.iaaf.org)

Time (t seconds)	Frequency
_____ < t ≤ _____	6

Question 4

1	7
2	4 8 1 7 9 1 4 0 3 7 0 0
3	4 4 1 1 2 4 4 1 5 0 7
4	3 8 9 2
5	2 5

(Source: nfl.com)

Question 5

The seven figures below show the amount, in £ millions, of UK aid given to Ethiopia for each of the years 2009 to 2015

219 263 344 265 329 321 338

The table below gives a summary of the amount, in £ millions, of UK aid given to Pakistan for the years 2009 to 2015

Mean	Standard deviation	Greatest amount
243·7	79·5	374

(Source: dfid.gov.uk)

Question 6(a)

	Consumer price index (CPI)
July 2015	100
Jan 2016	99·5
July 2016	100·6
Jan 2017	101·4
July 2017	103·2

(Source: ons.gov.uk)

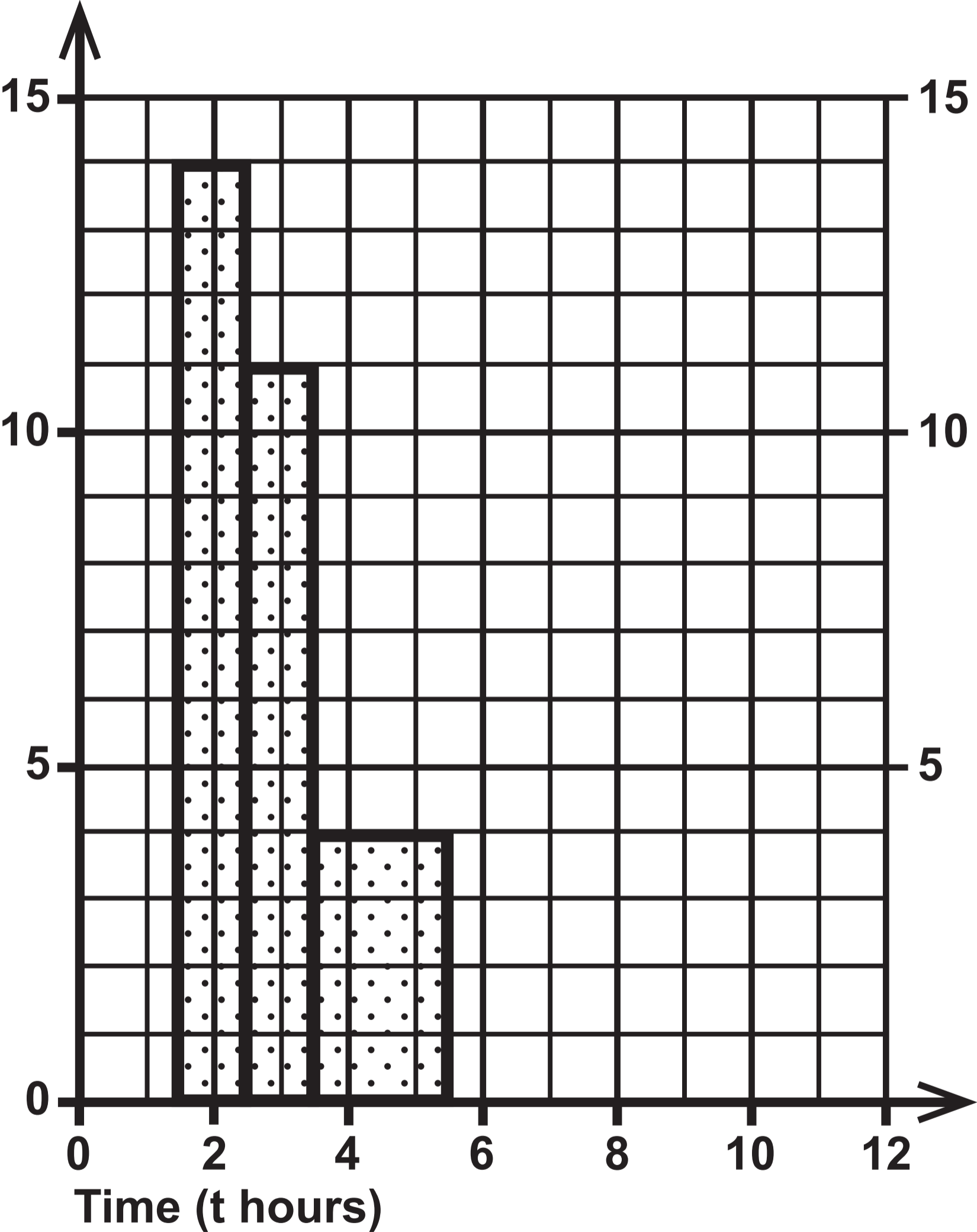
Question 6(b)

The CPI is a weighted index.
It measures the changes in the prices of consumer goods and of services only using the weightings as shown in the table below.

	weighting
goods	525
services	475

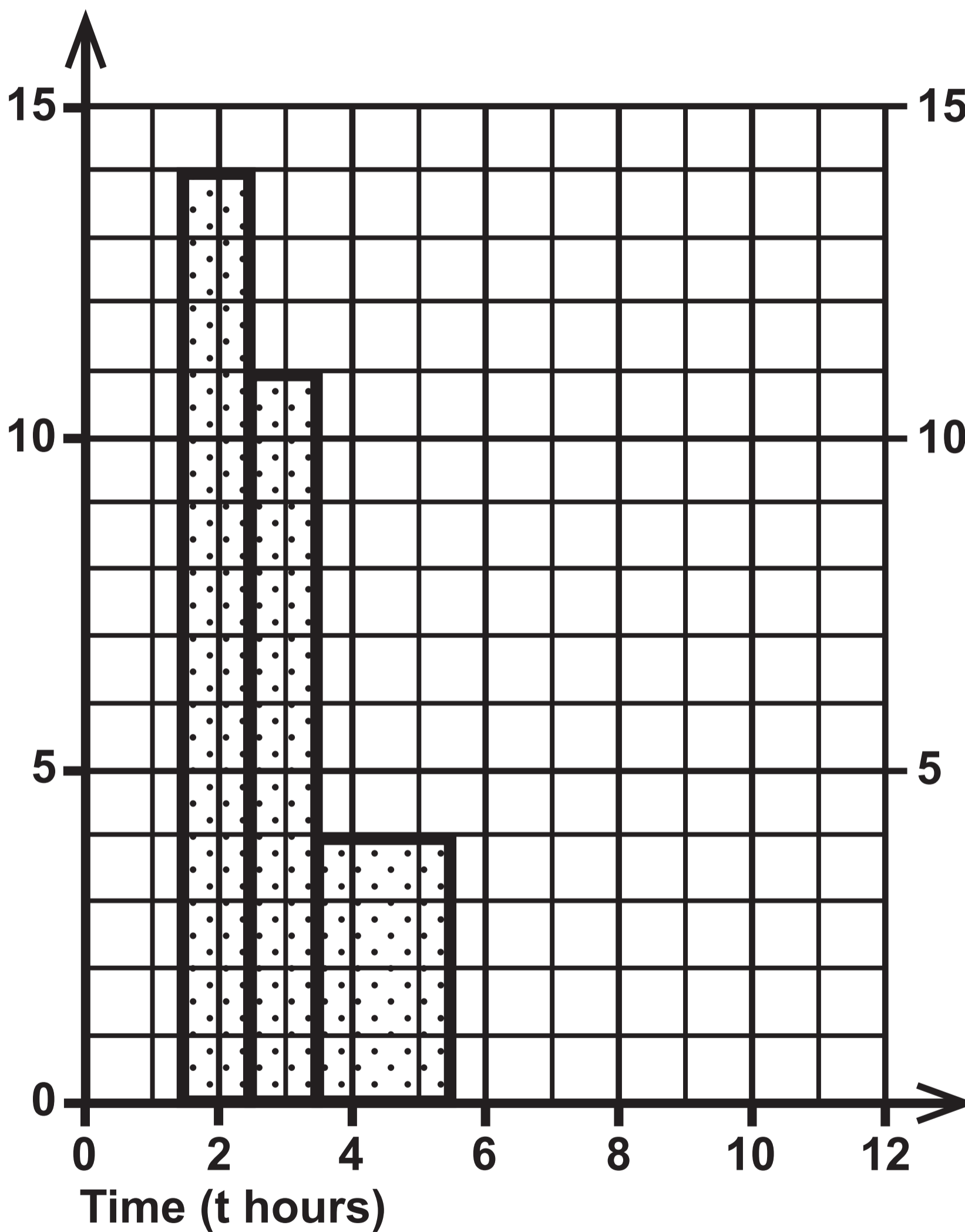
Question 7(a) and 7(b)

Frequency density



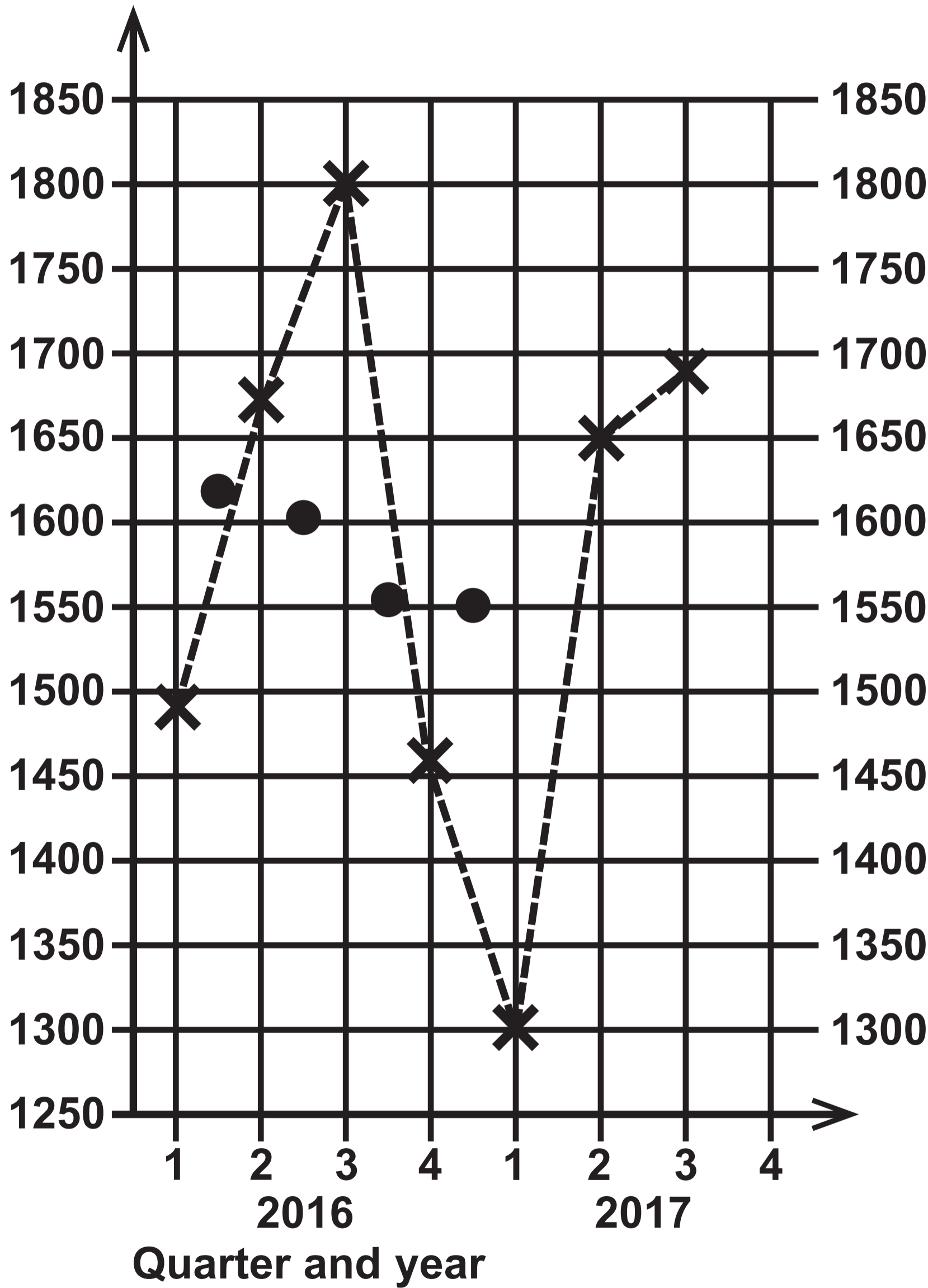
Question 7(a) and 7(b)

Frequency density



Question 8

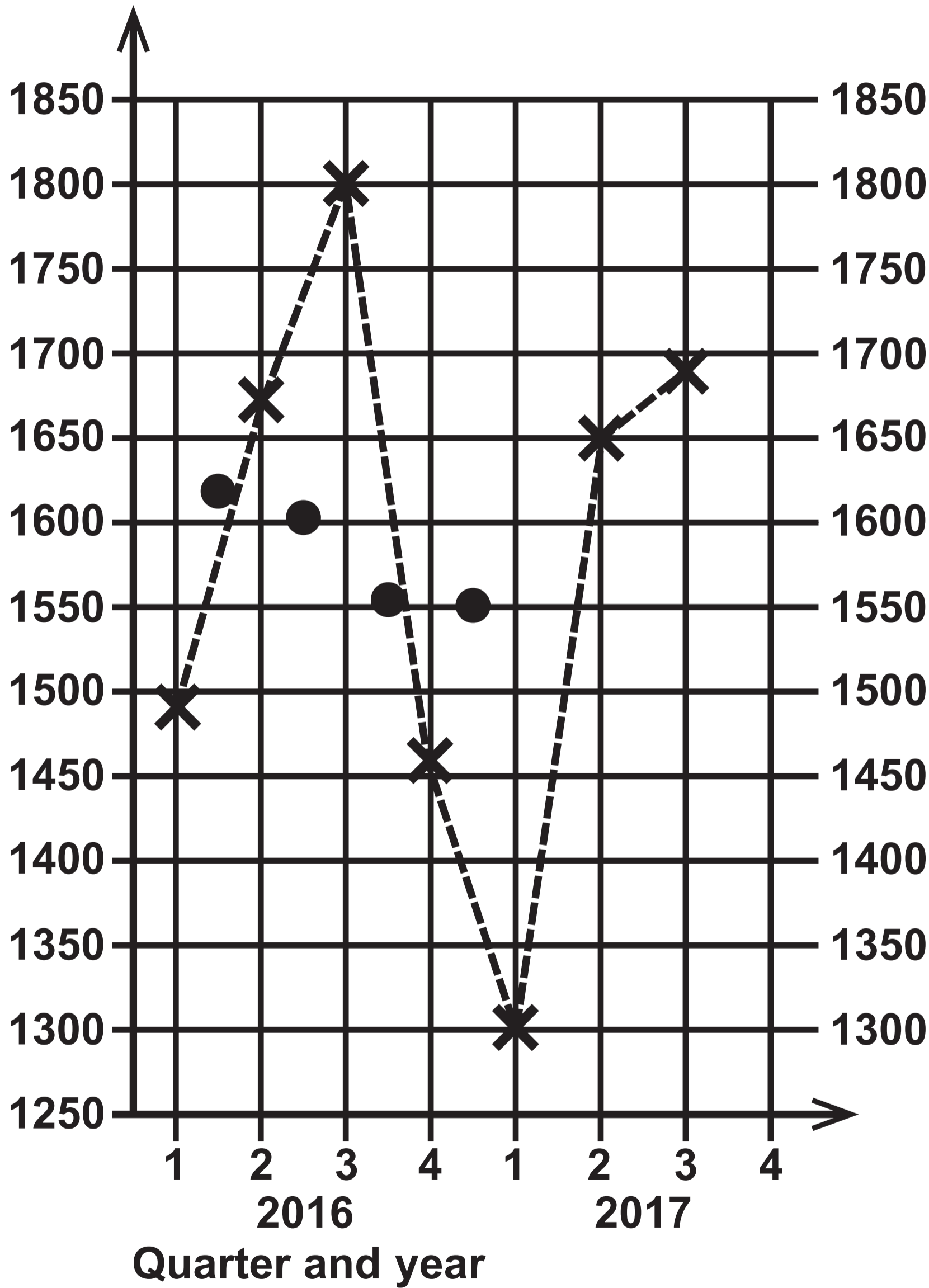
Number of visitors
(thousands)



(Adapted from: Department for Digital, Culture, Media and Sport)

Question 8

Number of visitors
(thousands)



(Adapted from: Department for Digital, Culture, Media and Sport)

Question 9

Mean	Standard deviation
55	8

Question 10 – Information

Noah collects information from **50** athletes and records the data in a spreadsheet.

He sorts the data from the least reaction time to the greatest reaction time.

The first few rows and last few rows of his spreadsheet are shown on the next page.

Here are some of the summary statistics for all the data.

$$\sum s = 88$$

$$\sum s^2 = 210$$

$$n = 50$$

$$\text{standard deviation} = 1.05$$

$$\text{range} = 5.4$$

Question 10 – Data

Reaction time, s seconds
0.3
0.4
0.7
0.8
3.0
3.1
3.6
5.3
5.7

Question 11(c)

Diagram 1

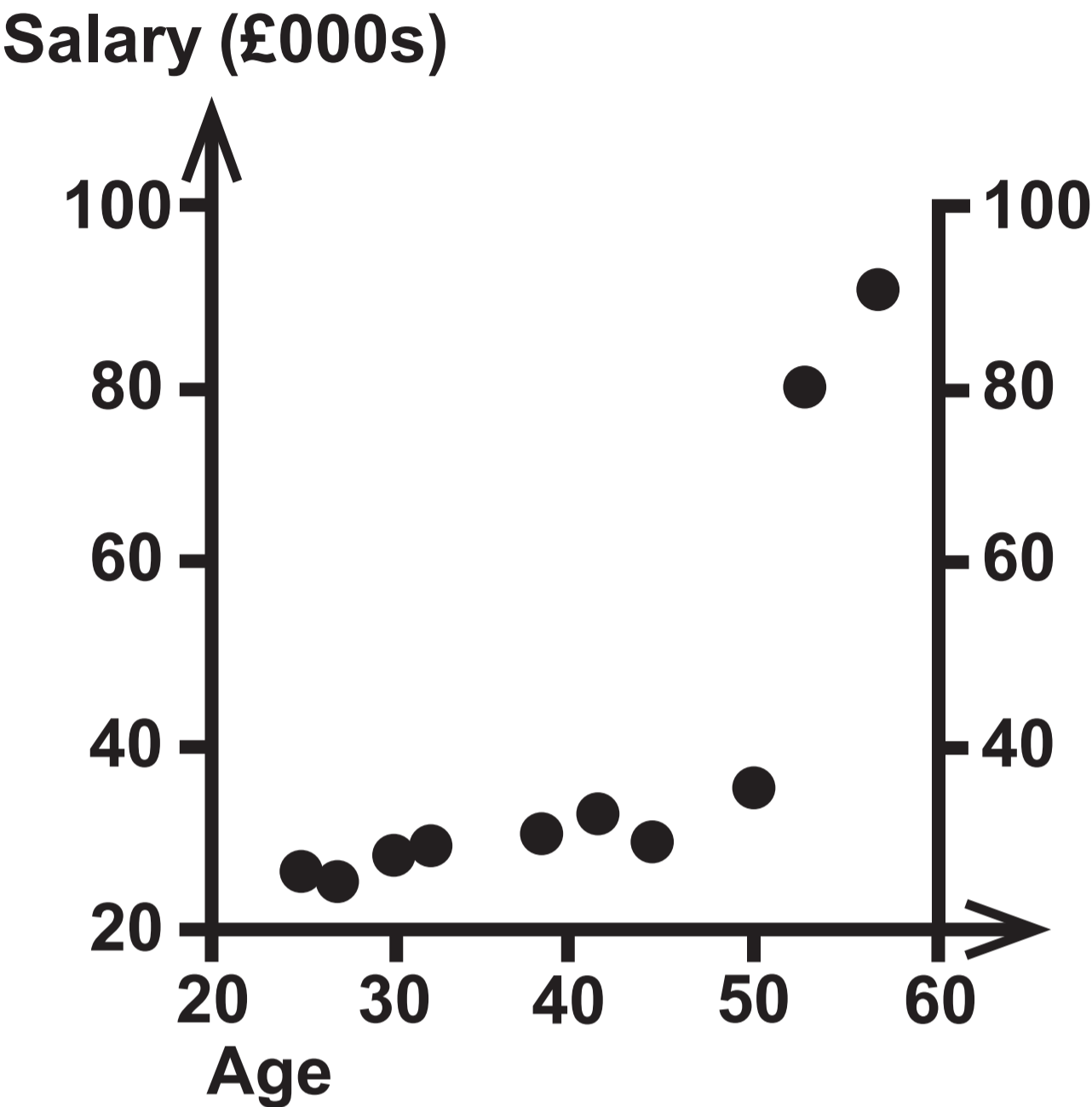
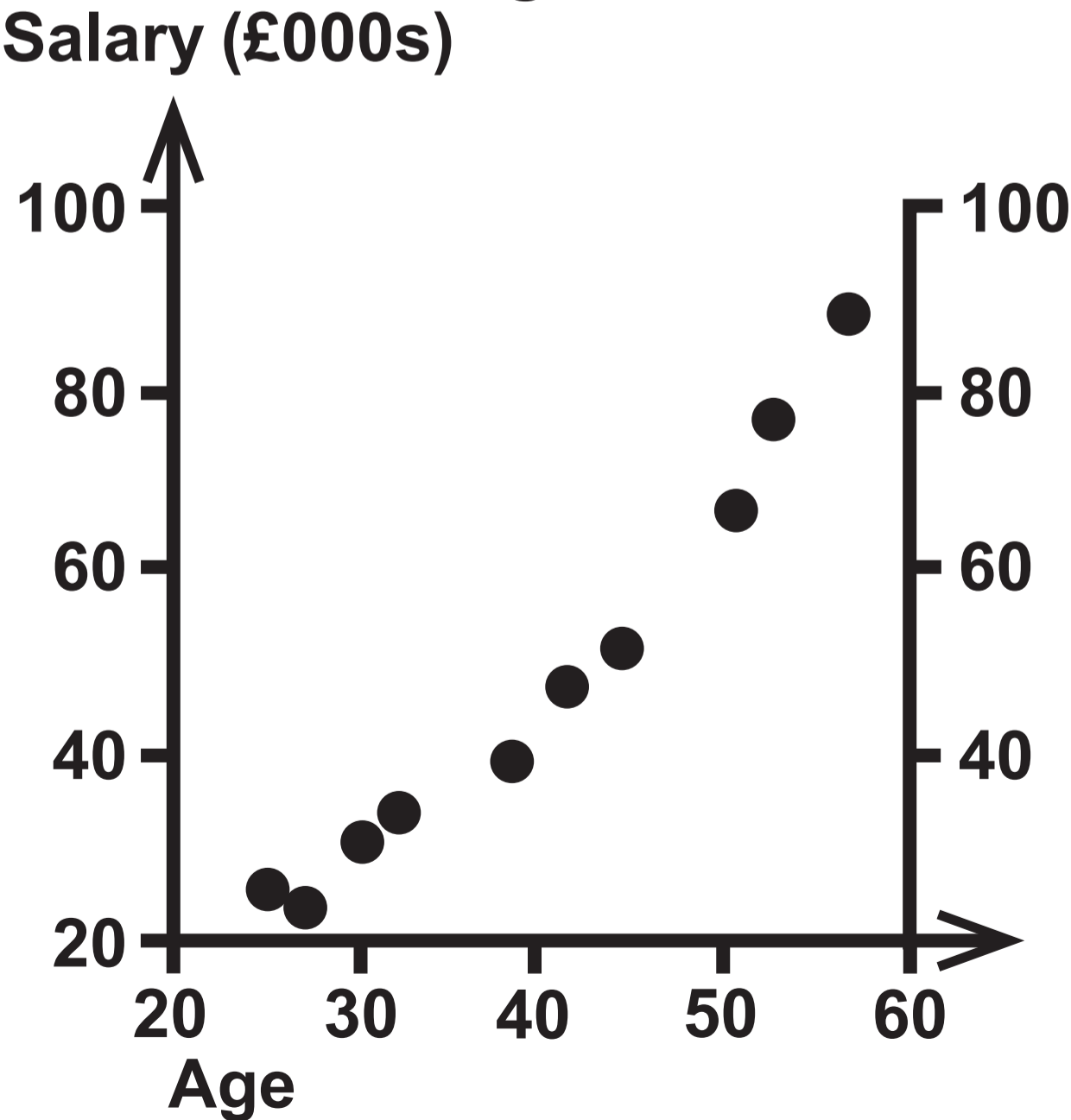


Diagram 2



Question 12(c)

Number of heads	Frequency
0	24
1	41
2	30
3	5