

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

Statistics
PAPER 2
Higher Tier
(Calculator)

Monday 19 June 2023 – Afternoon

Data Booklet

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 BOOKLET *MUST* BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

Contents

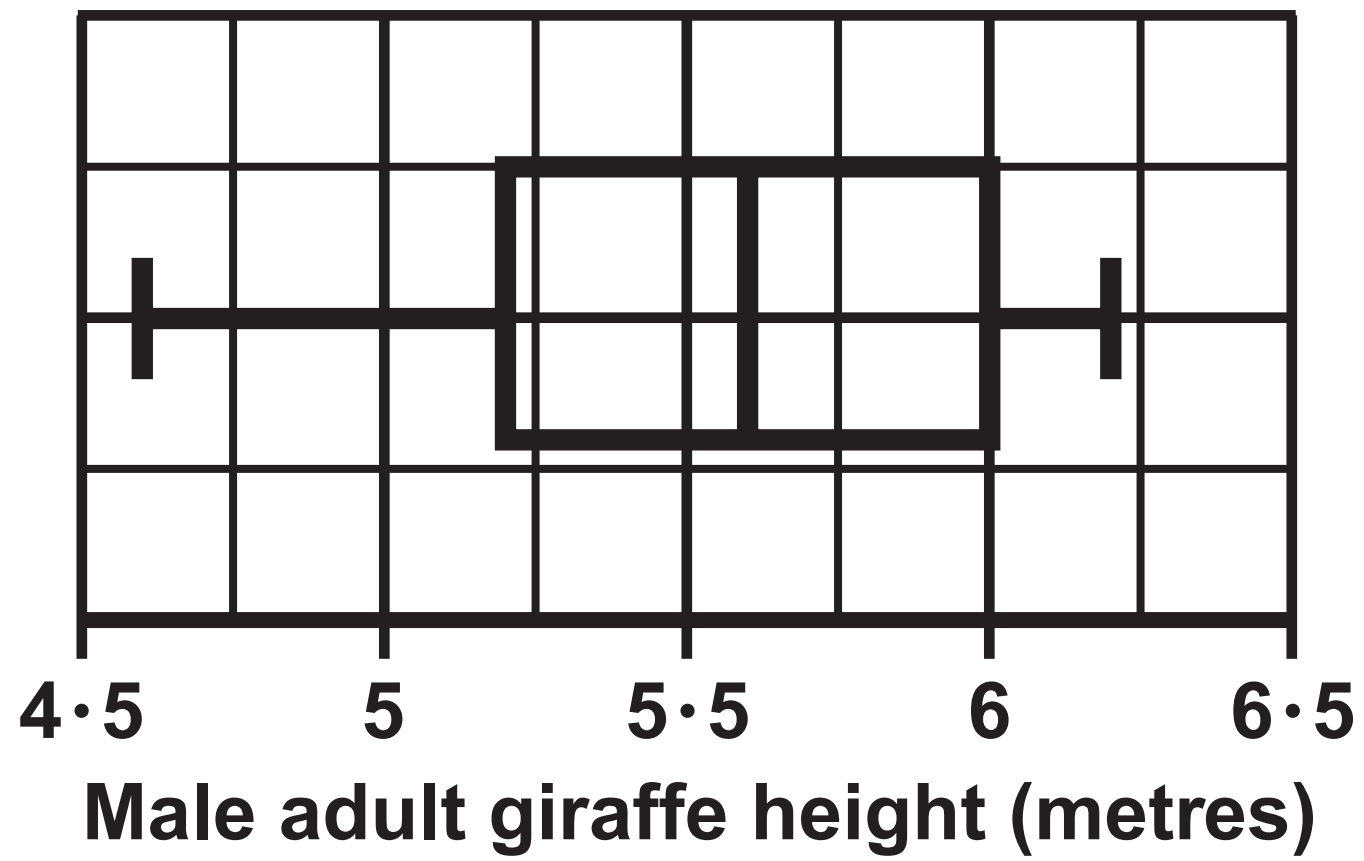
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10	Question 8(b)
11	Question 9
12–13	Question 10
14	Question 12
15	Question 13(c) and 13(d)

Spare Copies

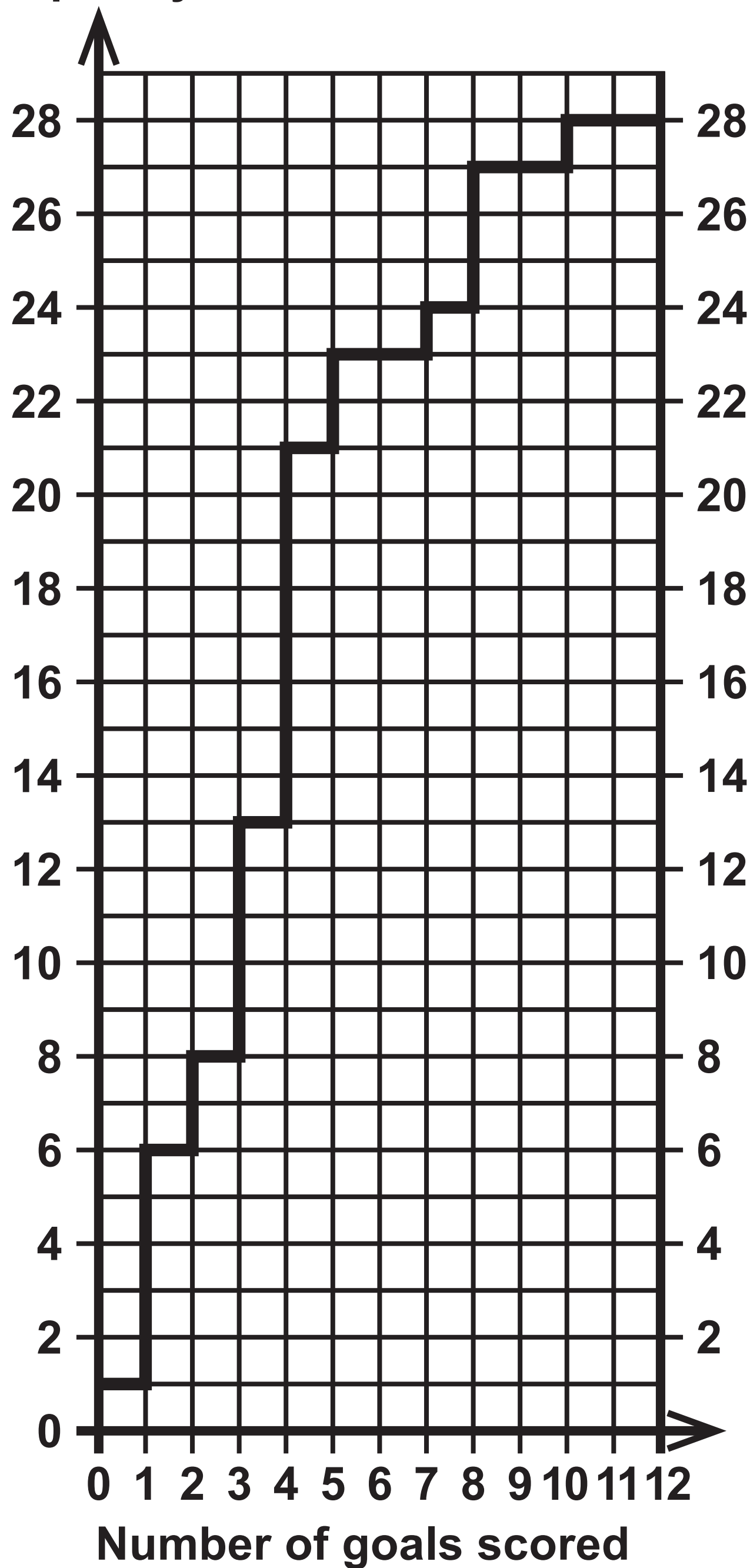
16	Question 1(a)
17	Question 6
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Question 2



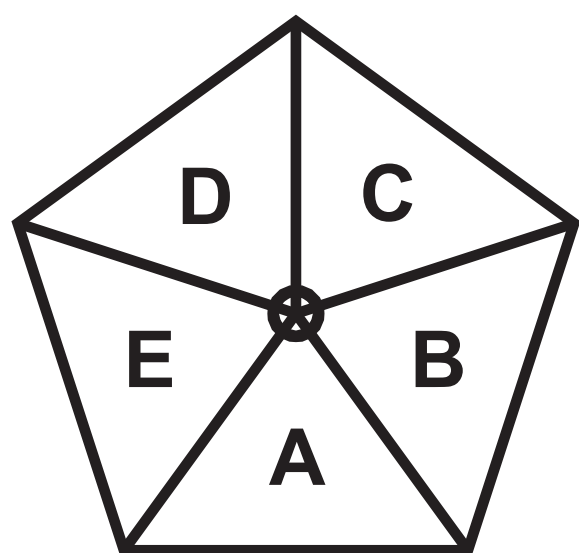
Question 3

Cumulative
frequency

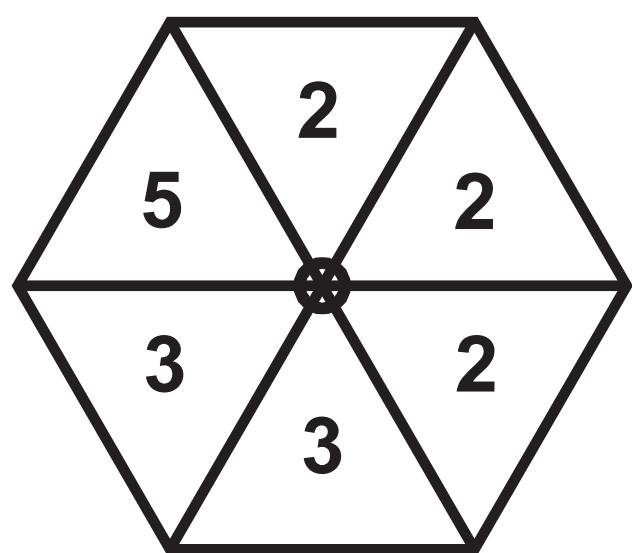


Question 5

Spinner X

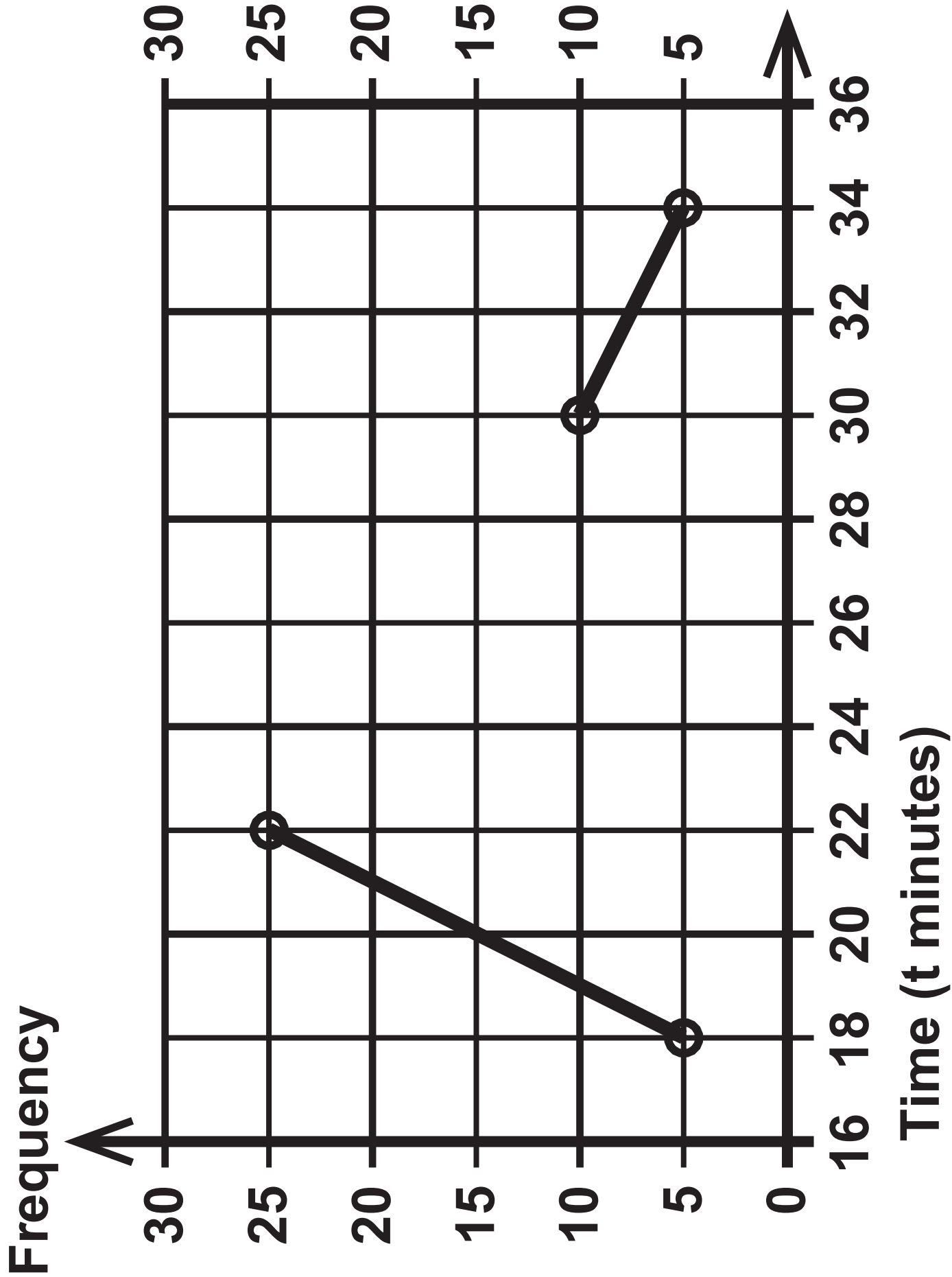


Spinner Y



Spinner X	
Outcome	Frequency
A	11
B	12
C	10
D	13
E	14

Spinner Y	
Outcome	Frequency
2	19
3	20
5	21



Question 7

Year	Total population	Number of deaths
2000	52 140 181	537 877

Question 8(b)

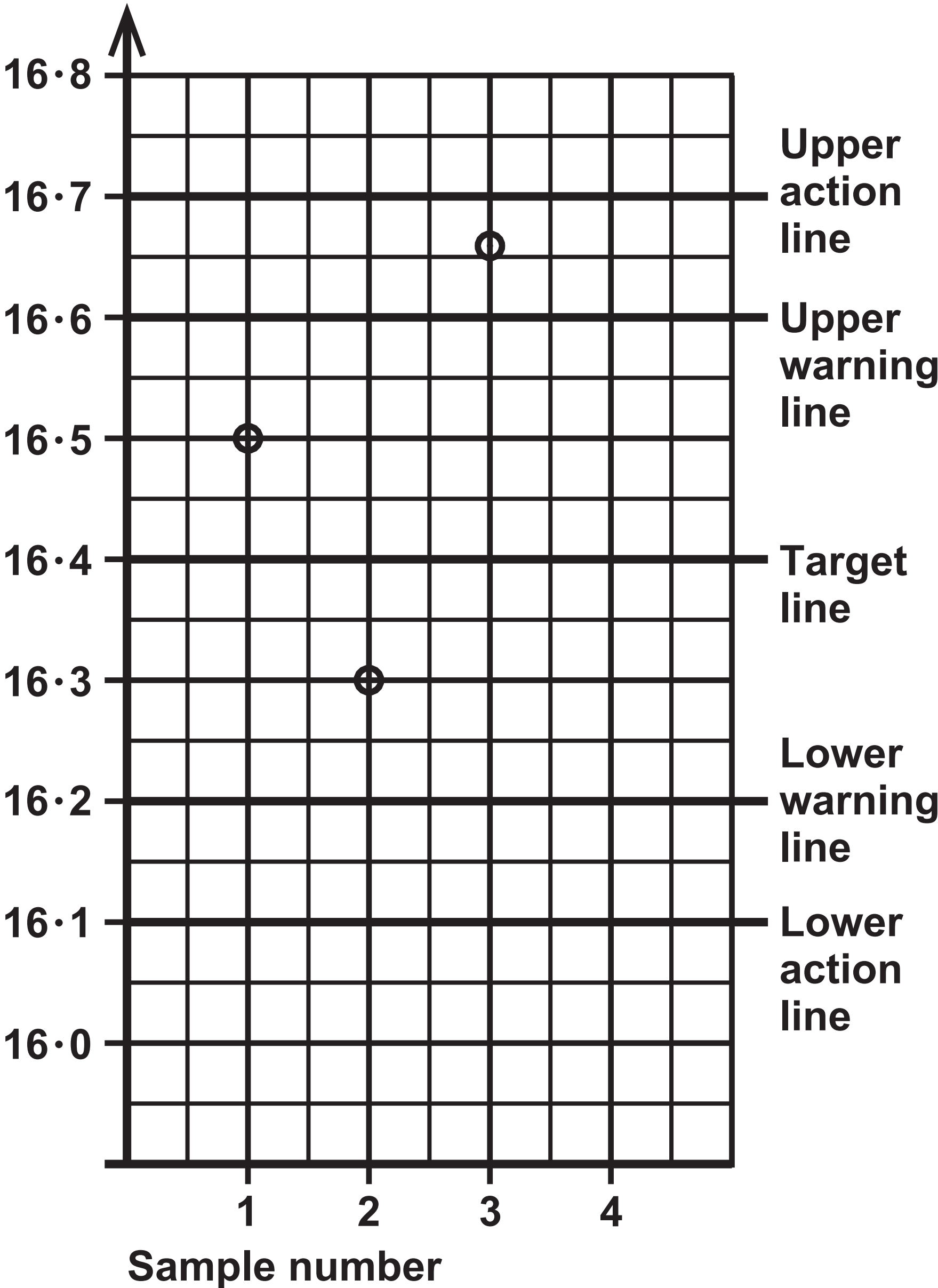
Test	Weighting	Score
A	3	43
B	4	25
C	5	19
D	8	24

Question 9

Level of interest	Number of children
Very	60
Quite	73
Not very	18
Not at all	1
Total	152

Question 10

Sample mean diameter (mm)



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Turn over

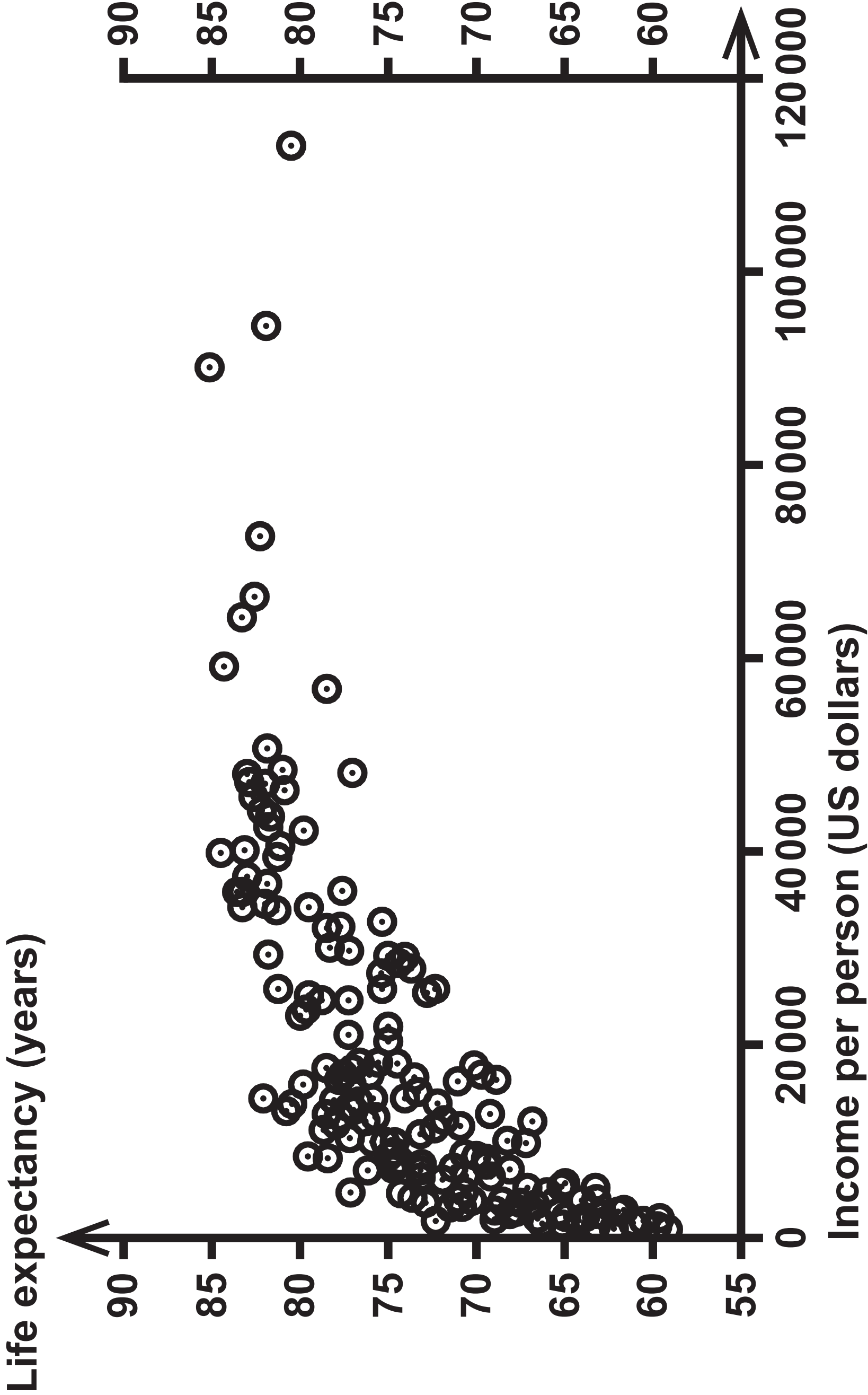
Question 10 continued.

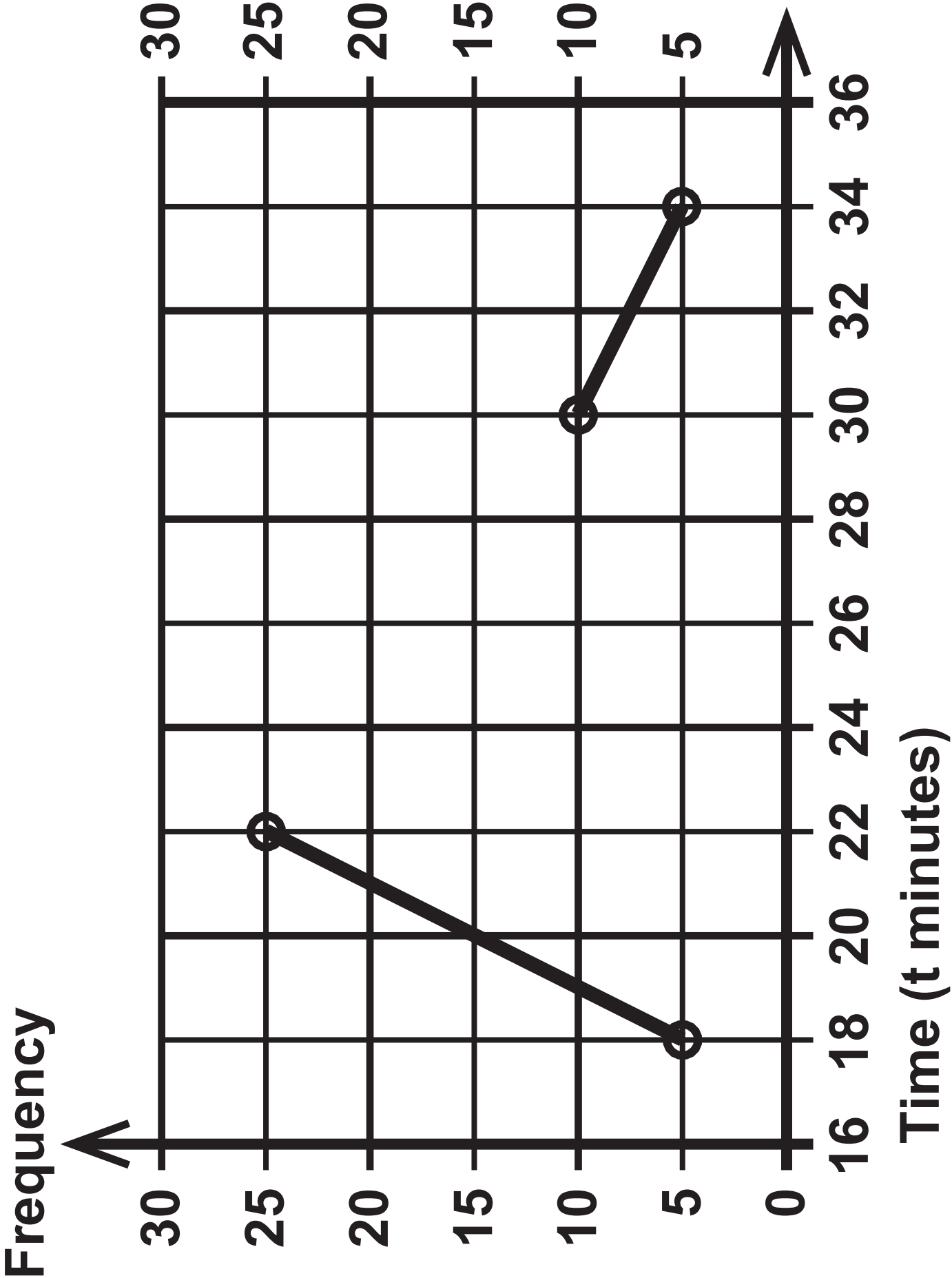
Target sample mean 16.4 mm								
Target sample standard deviation _____ mm								
Sample number	Bolt 1	Bolt 2	Bolt 3	Bolt 4	Sample mean	Action		
1	16.7	16.6	16.3	16.4	16.5	Take no action		
2	16.4	16.5	16.1	16.2	16.3	Take no action		
3	16.6	16.6	16.7	16.8	16.675			
4	16.8	16.3	16.8	16.7				

Question 12

Colour	Proportion
Red	p
Blue	3p
White	$\frac{1}{2}$

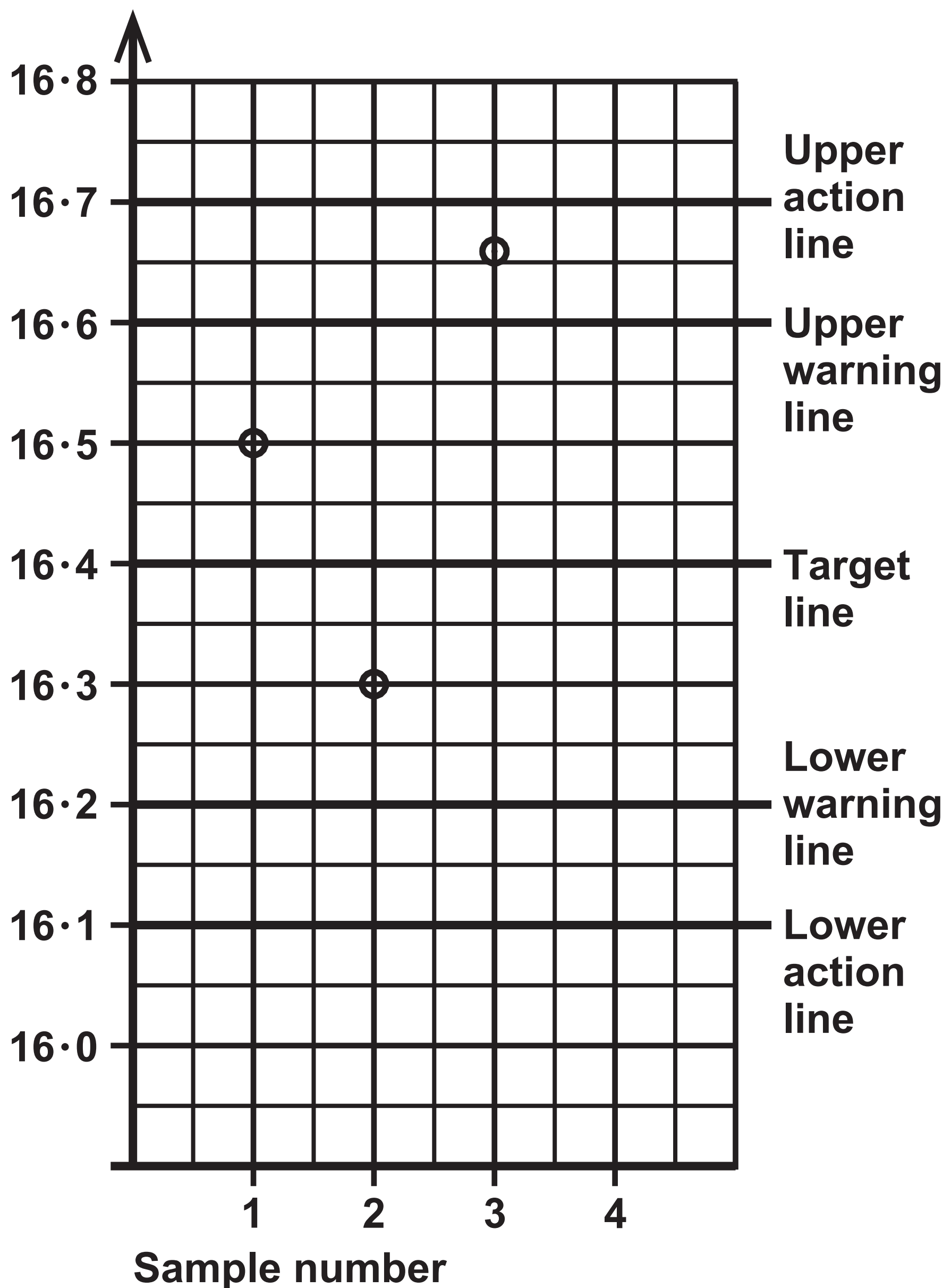
Question 13(c) and 13(d)





Question 10

Sample mean diameter (mm)



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Turn over

Question 10 continued.

Target sample mean 16.4 mm								
Target sample standard deviation _____ mm								
Sample number	Bolt 1	Bolt 2	Bolt 3	Bolt 4	Sample mean	Action		
1	16.7	16.6	16.3	16.4	16.5	Take no action		
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3	16.6	16.6	16.7	16.8	16.675			
4	16.8	16.3	16.8	16.7				

Sources

Question 3

(Source: www.worldfootball.net/teams/deutschland-frauen-team/)

Question 7

(Source: www.ons.gov.uk)

Question 9

(Source: www.ofcom.org.uk/research-and-data/data/statistics/stats20)