

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.**

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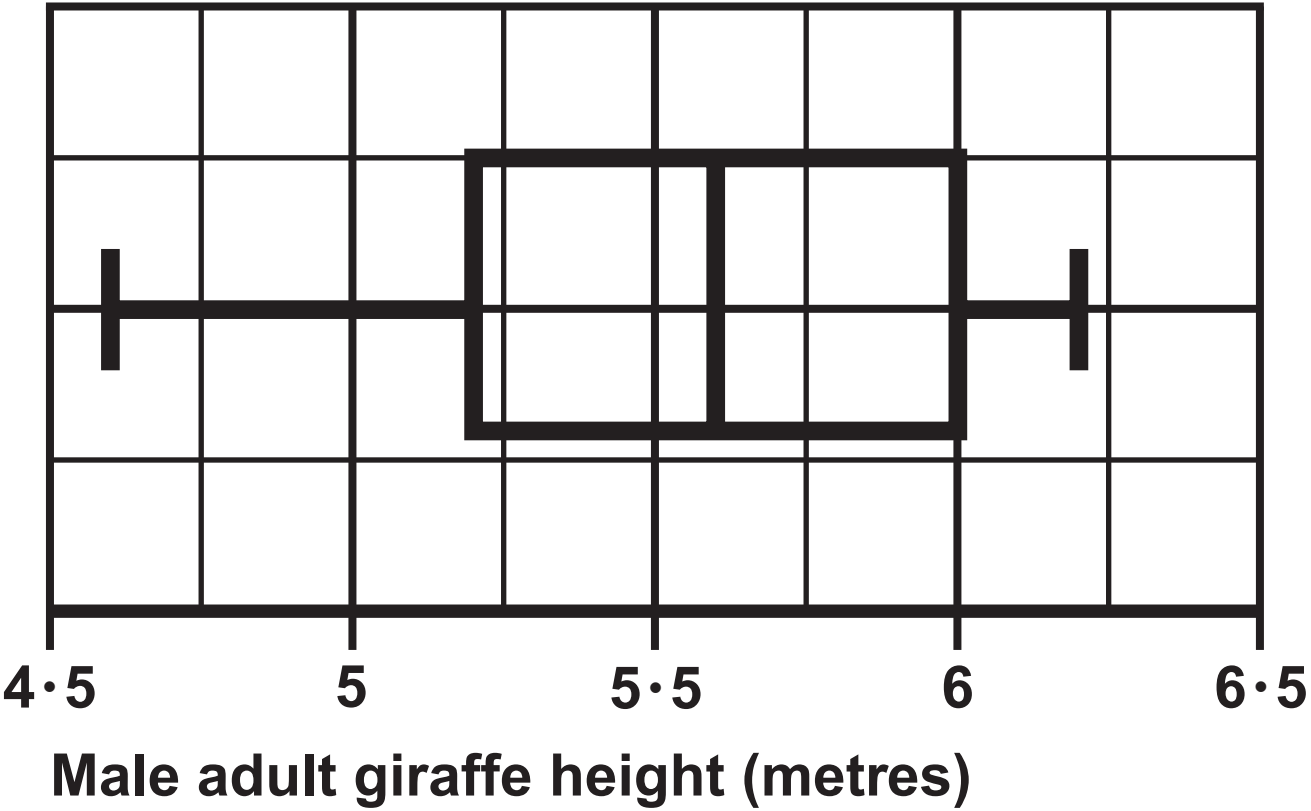
4	Question 1(a)
5	Question 2
6	Question 3
7	Question 5
8	Question 6
9	Question 7
10	Question 8(b)
11	Question 9
12–13	Question 10
14	Question 12
15	Question 13(c) and 13(d)

Spare Copies

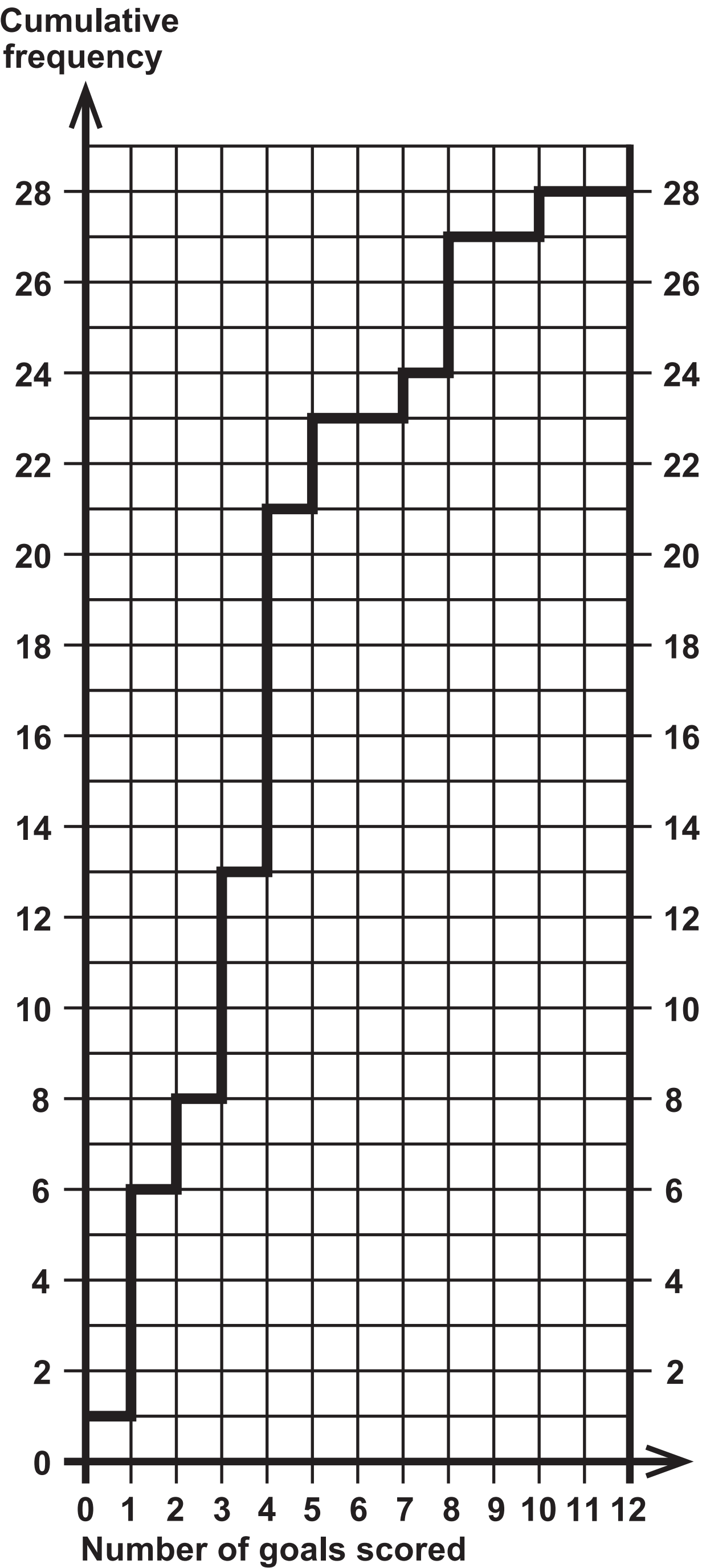
16	Question 1(a)
17	Question 6
18–19	Question 10



Question 2

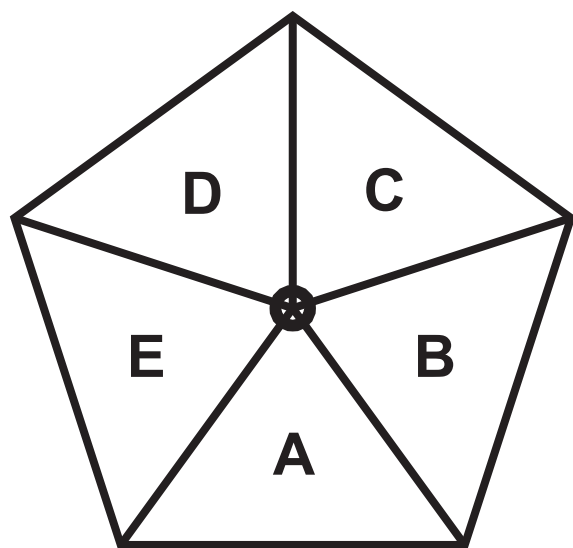


Question 3

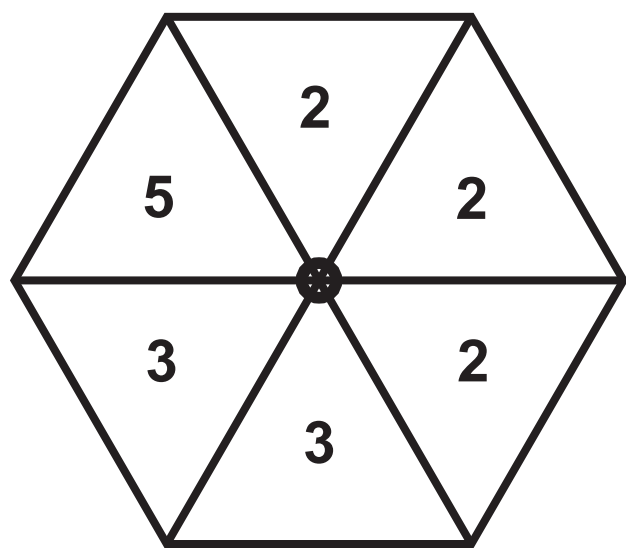


Question 5

Spinner X

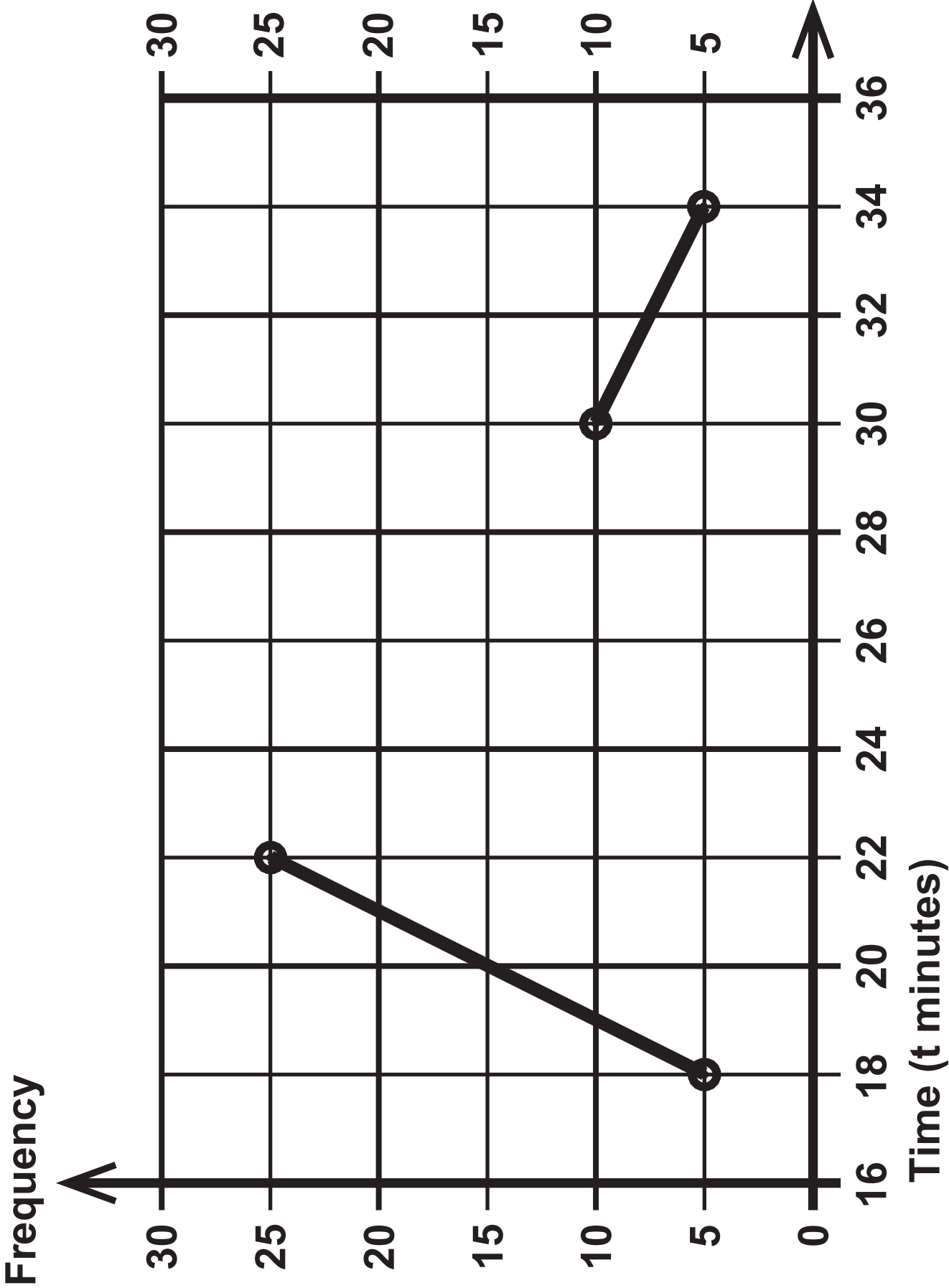


Spinner Y



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)

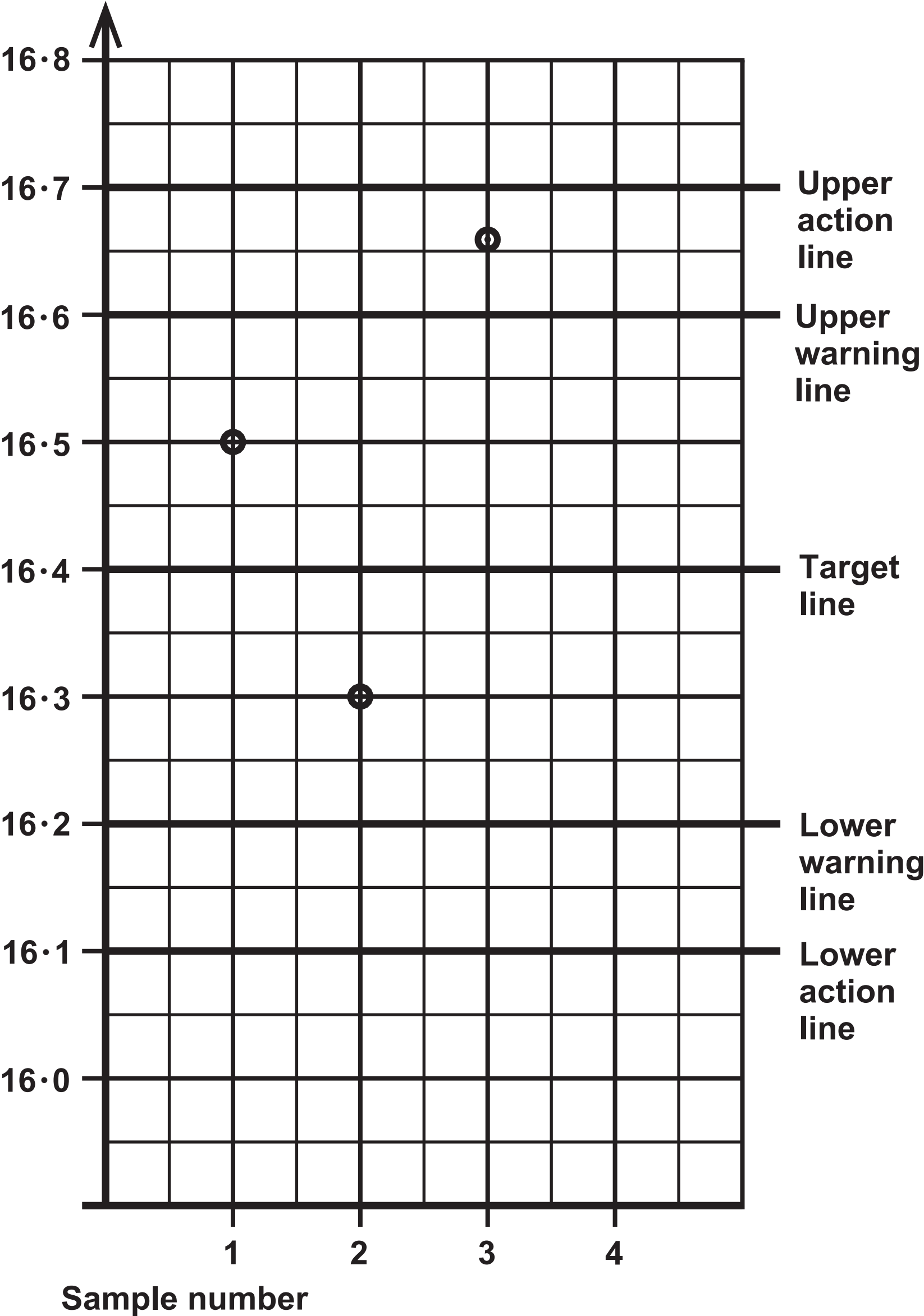
Test	Weighting	Score
A	3	43
B	4	25
C	5	19
D	8	24

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)



(continued on the next page)

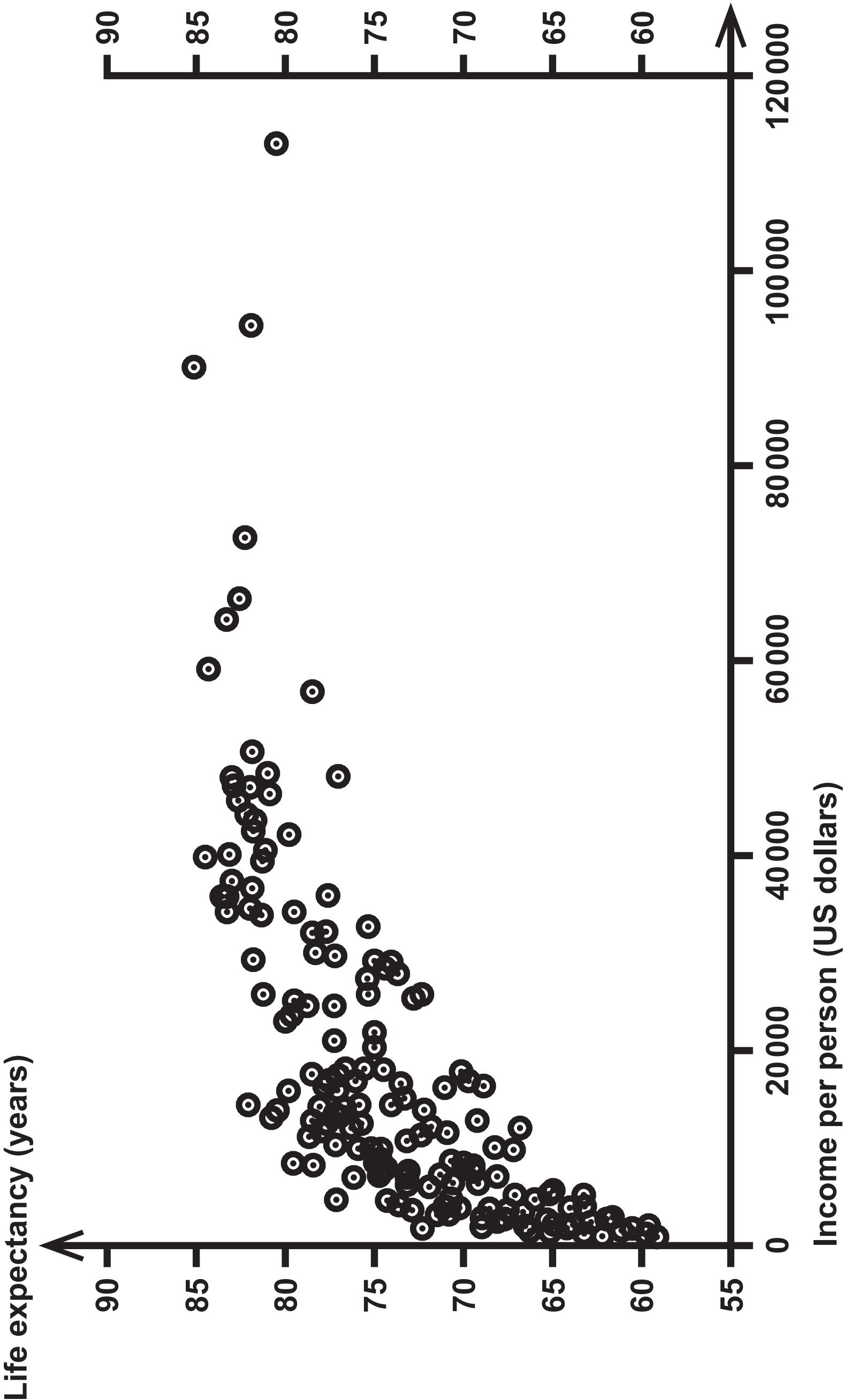
Turn over

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

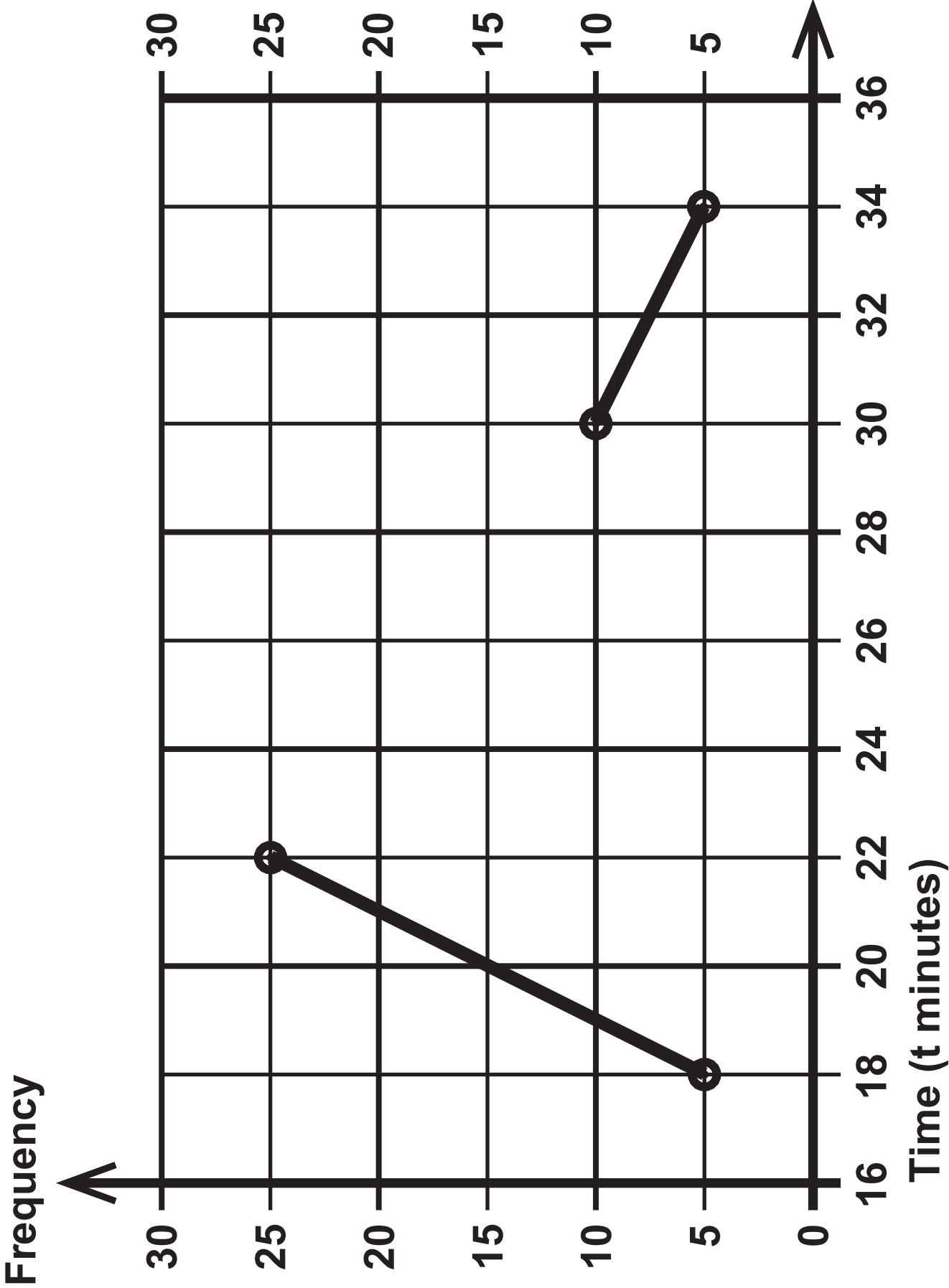
Colour	Proportion
Red	p
Blue	3p
White	$\frac{1}{2}$

Question 13(c) and 13(d)



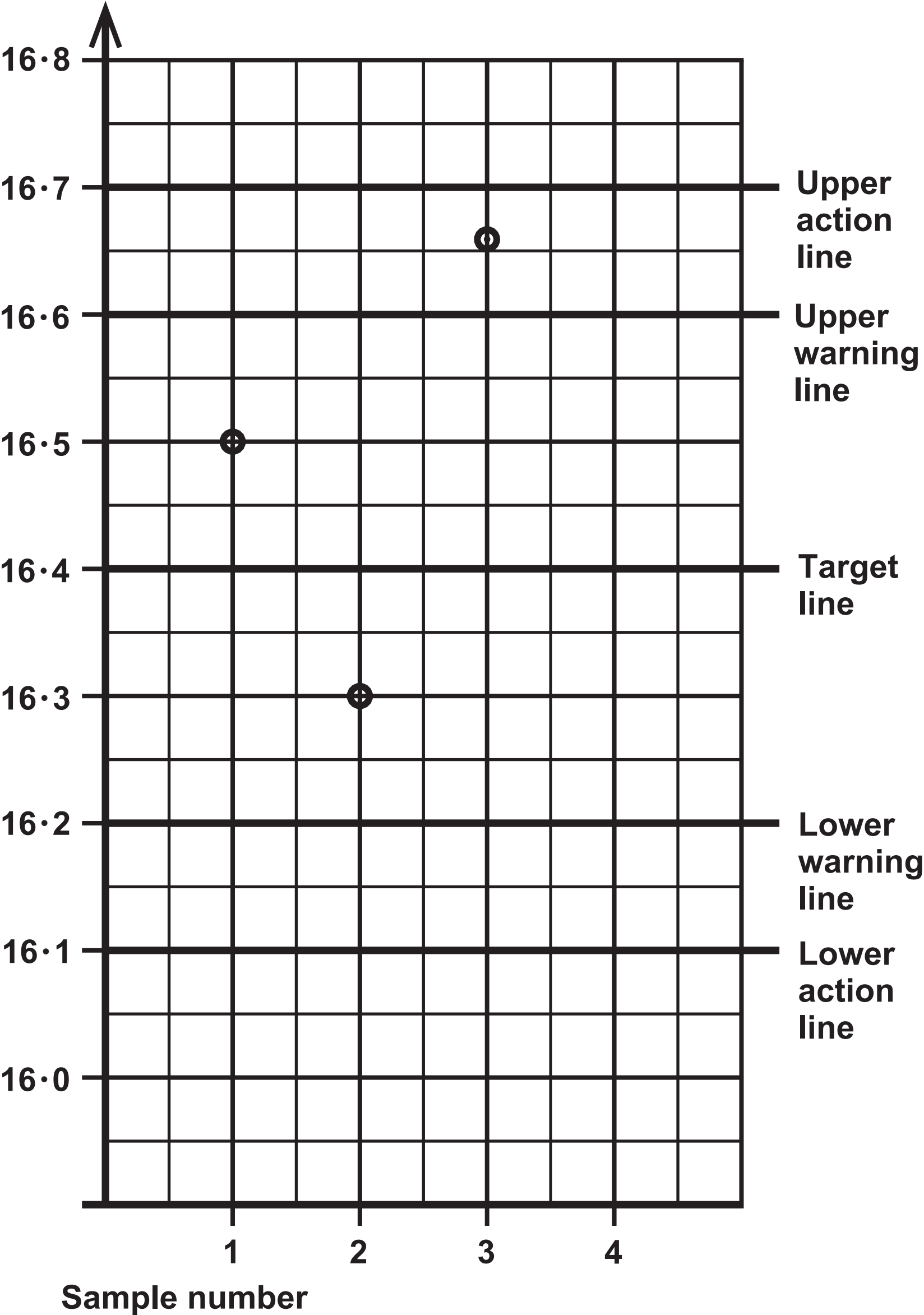






Question 10

Sample mean diameter (mm)



(continued on the next page)

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			

## Sources

### Question 3

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

### Question 7

(Source: [www.ons.gov.uk](http://www.ons.gov.uk))

### Question 9

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