

**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.**

<b>Surname</b>										
<b>Other names</b>										
<b>Centre Number</b>										
<b>Candidate Number</b>										

## 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**

## **Page**

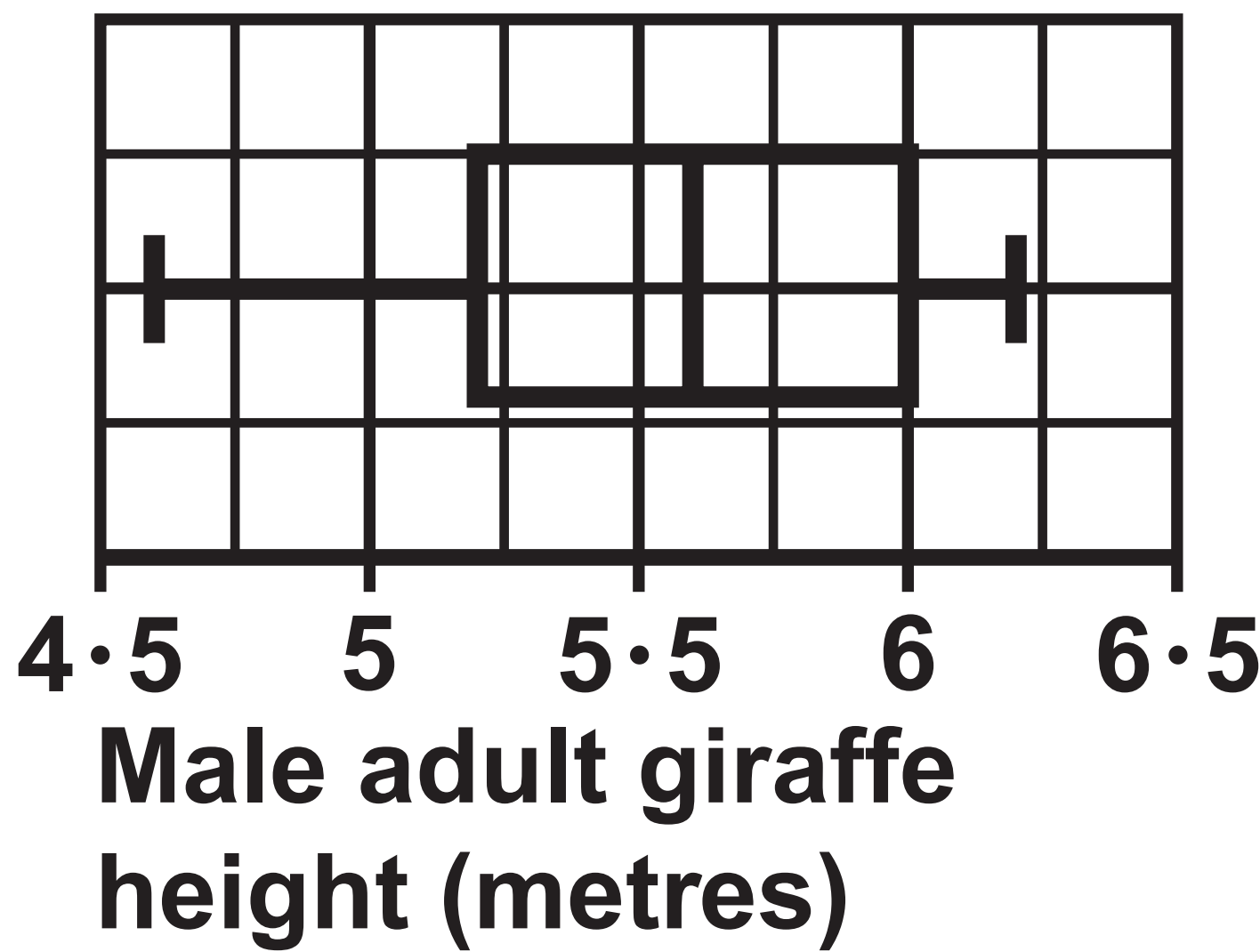
<b>4</b>	<b>Question 1(a)</b>
<b>5</b>	<b>Question 2</b>
<b>6</b>	<b>Question 3</b>
<b>7–8</b>	<b>Question 5</b>
<b>9</b>	<b>Question 6</b>
<b>10</b>	<b>Question 7</b>
<b>11</b>	<b>Question 8(b)</b>
<b>12</b>	<b>Question 9</b>
<b>13–14</b>	<b>Question 10</b>
<b>15</b>	<b>Question 12</b>
<b>16</b>	<b>Question 13(c) and 13(d)</b>

## **Spare Copies**

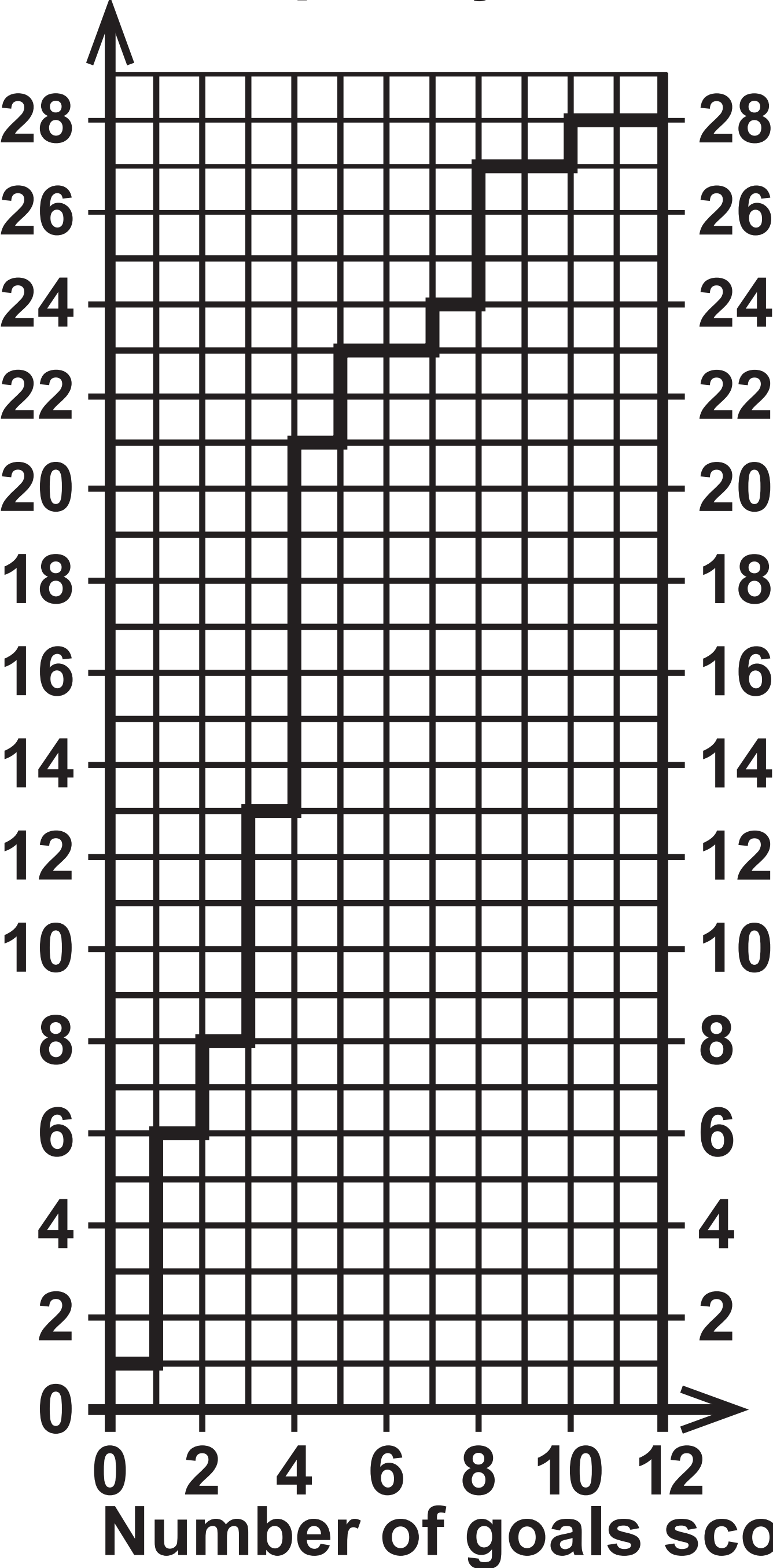
<b>17</b>	<b>Question 1(a)</b>
<b>18</b>	<b>Question 6</b>
<b>19–20</b>	<b>Question 10</b>

Question 1(a)

Question 2



Question 3  
Cumulative frequency

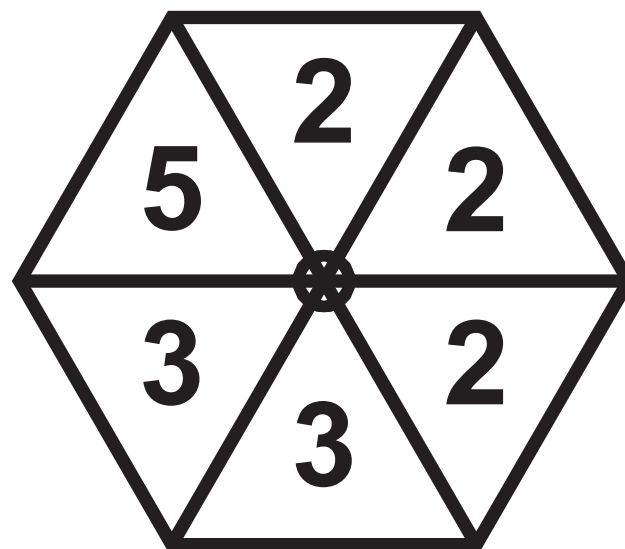


Question 5

Spinner X



Spinner Y



(continued on the next page)

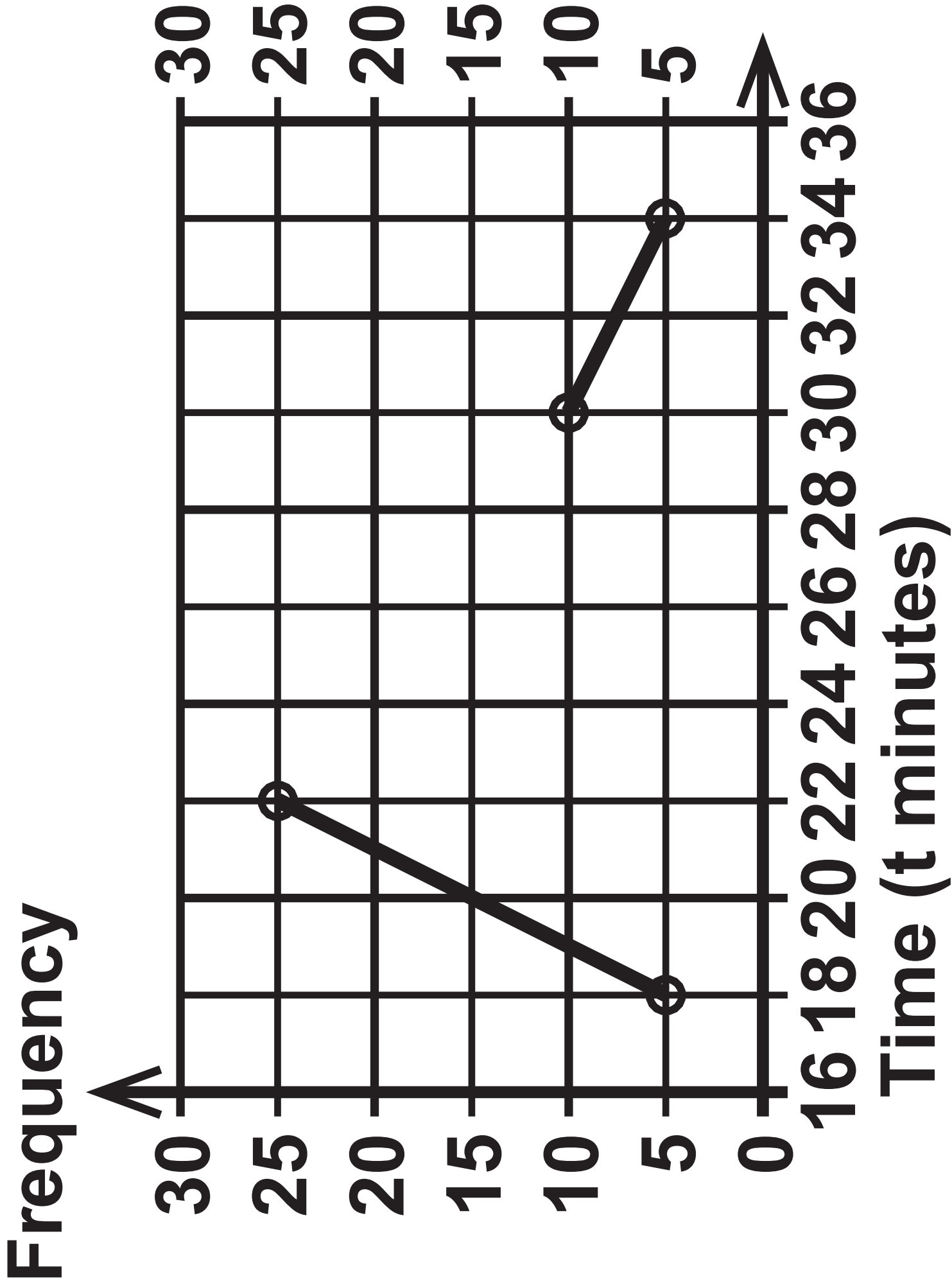
Turn over

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 6



Question 7

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

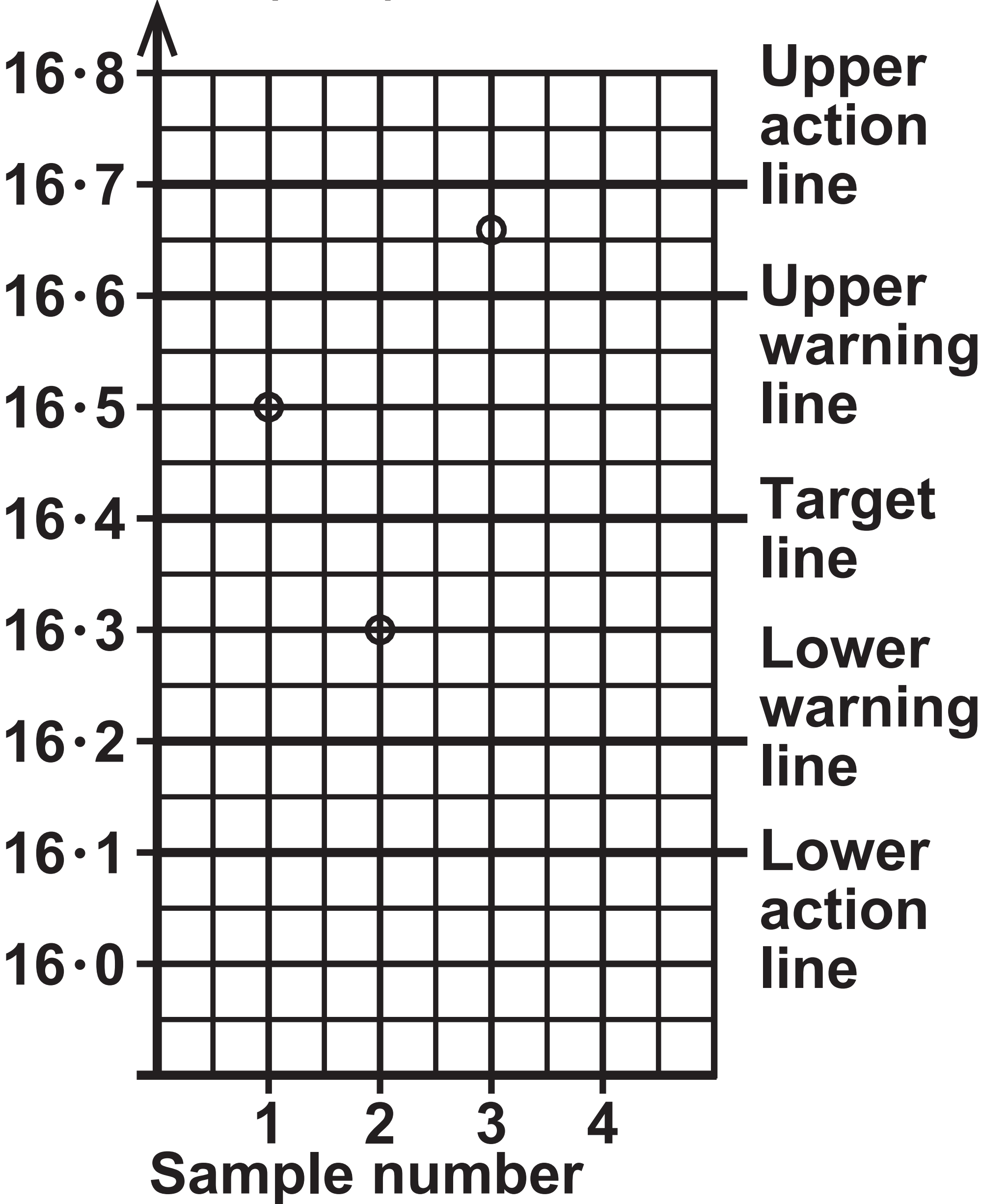
Question 8(b)

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

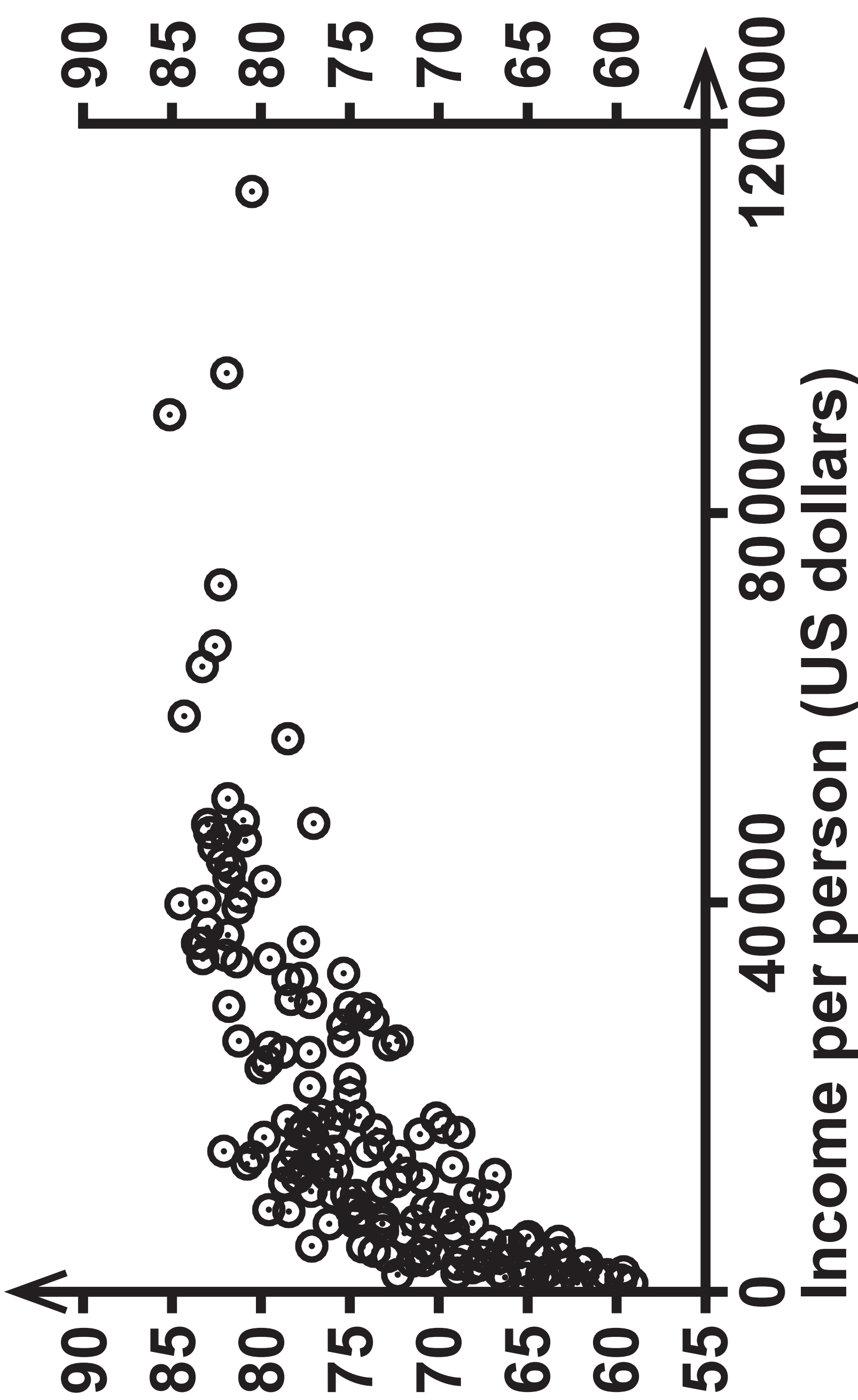
Question 10 continued.

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	$\frac{1}{2}$

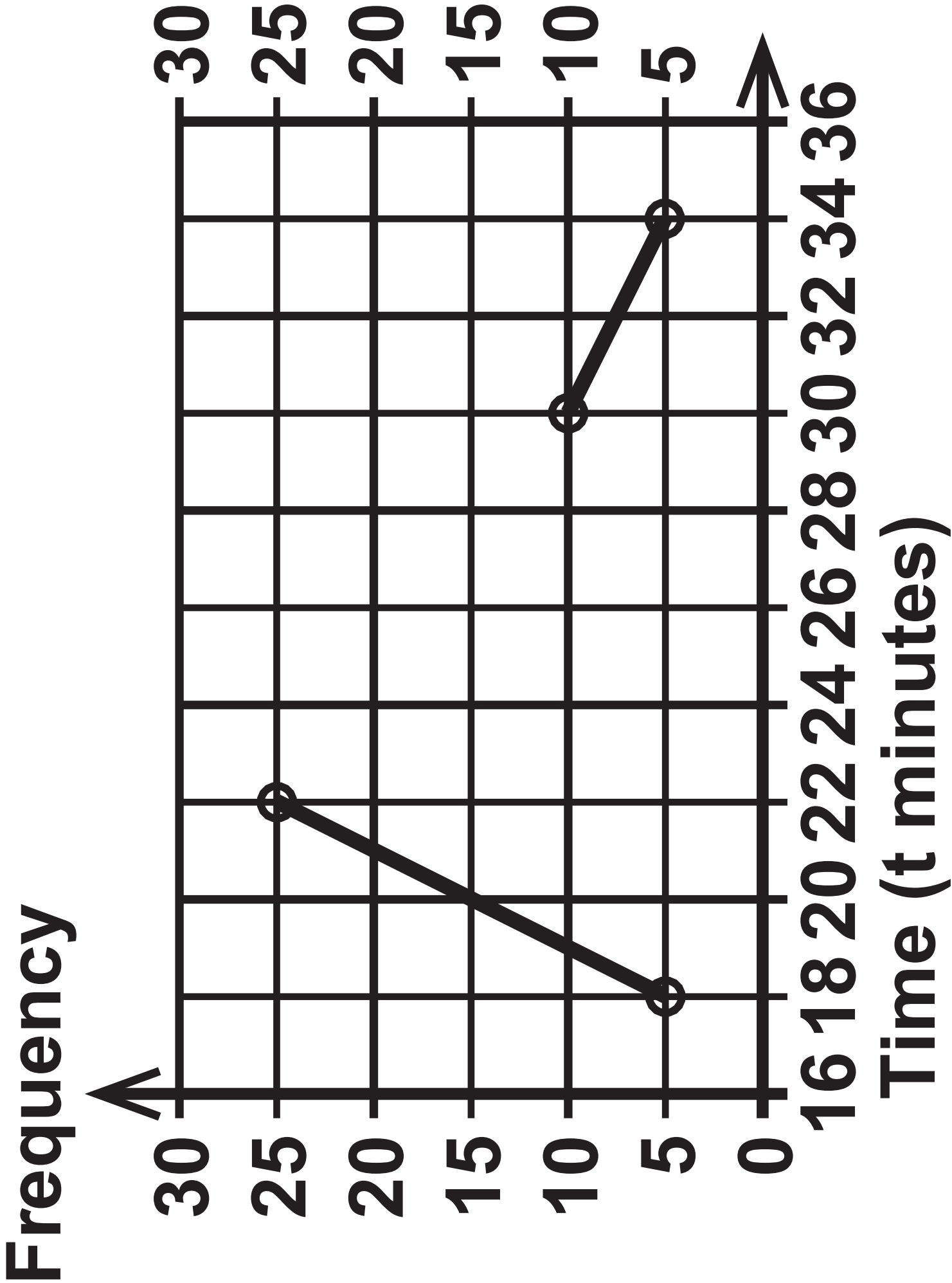
Life expectancy (years)



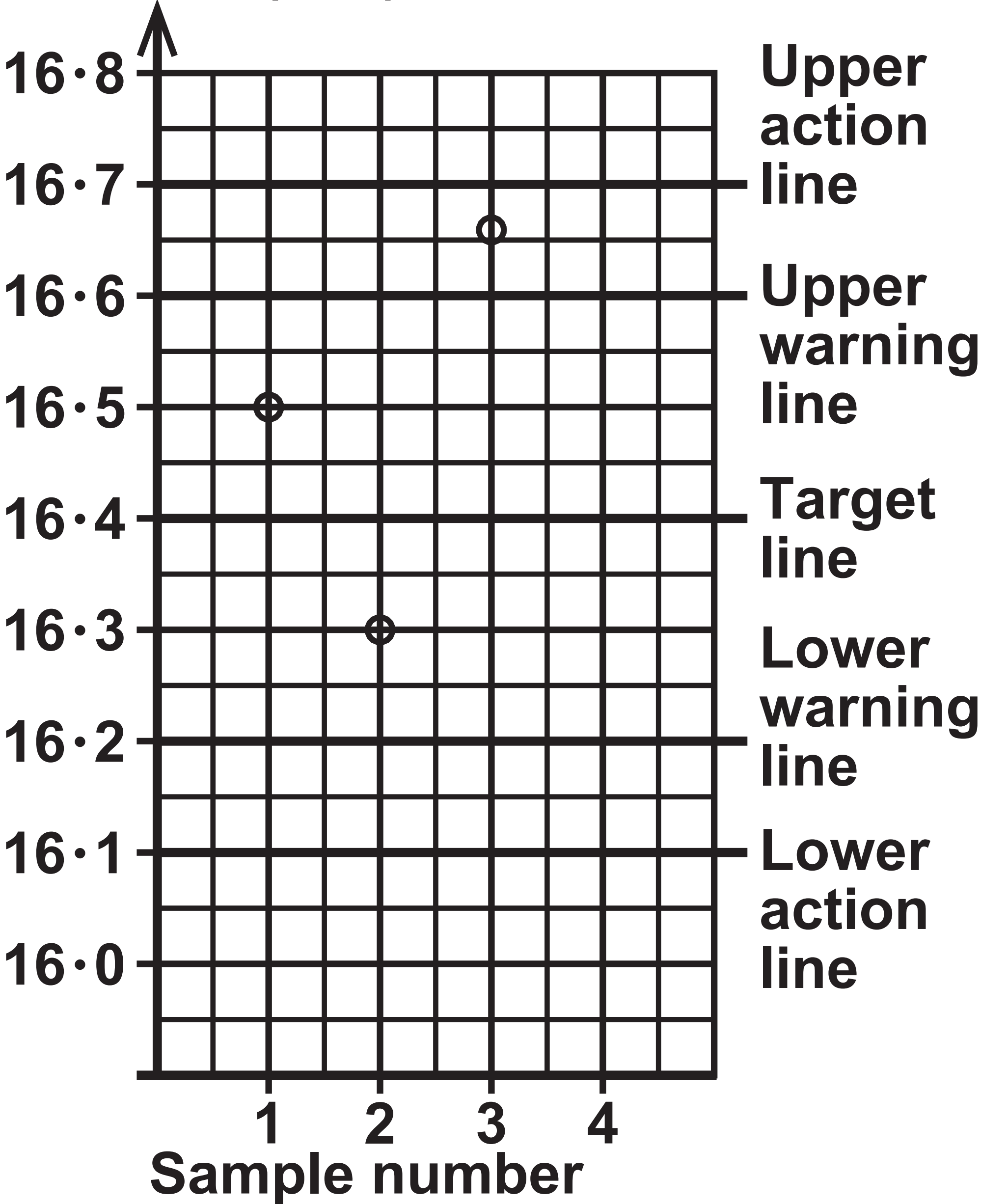


**Question 1(a)**

Question 6



Question 10  
Sample mean  
diameter (mm)



(continued on the next page)

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	_____	_____	
						_____	

## **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))**