

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

Statistics
Paper 1
(Calculator)
Foundation Tier

Thursday 13 June 2019 – Afternoon

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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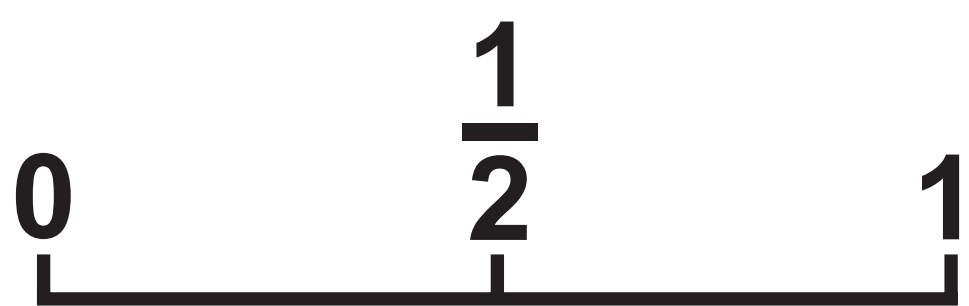
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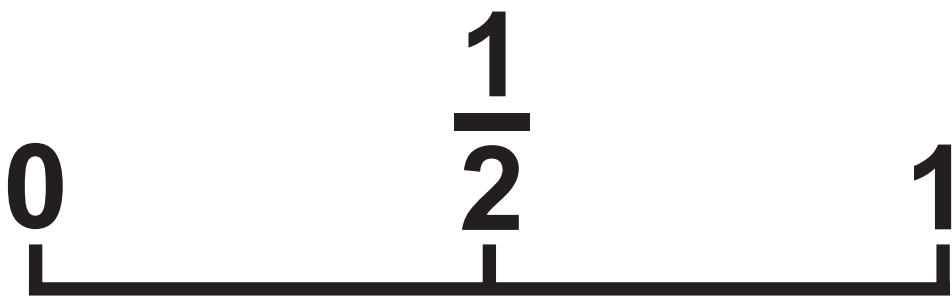
Question 1(a)

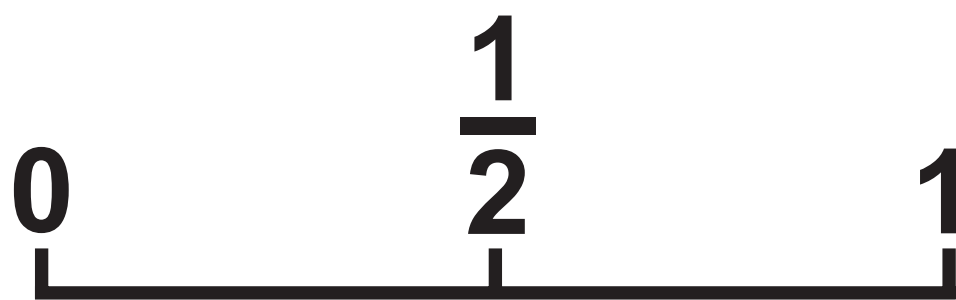
impossible certain evens unlikely likely

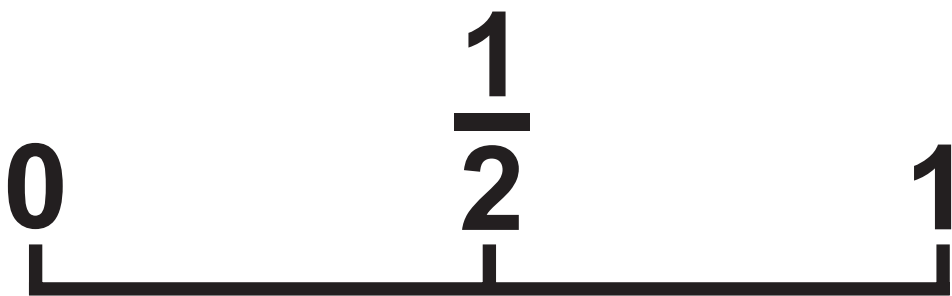
Question 1(a)

impossible certain evens unlikely likely

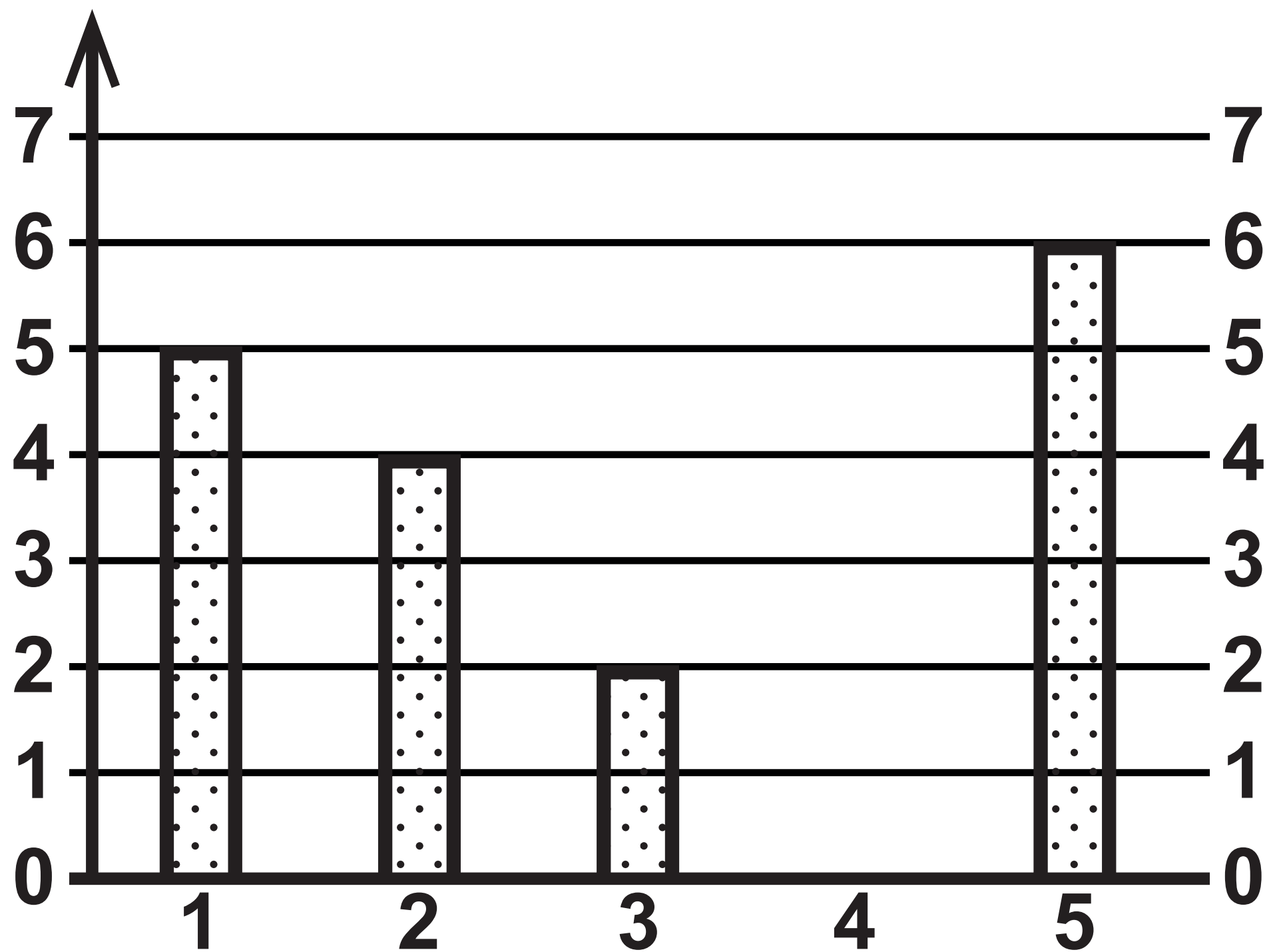








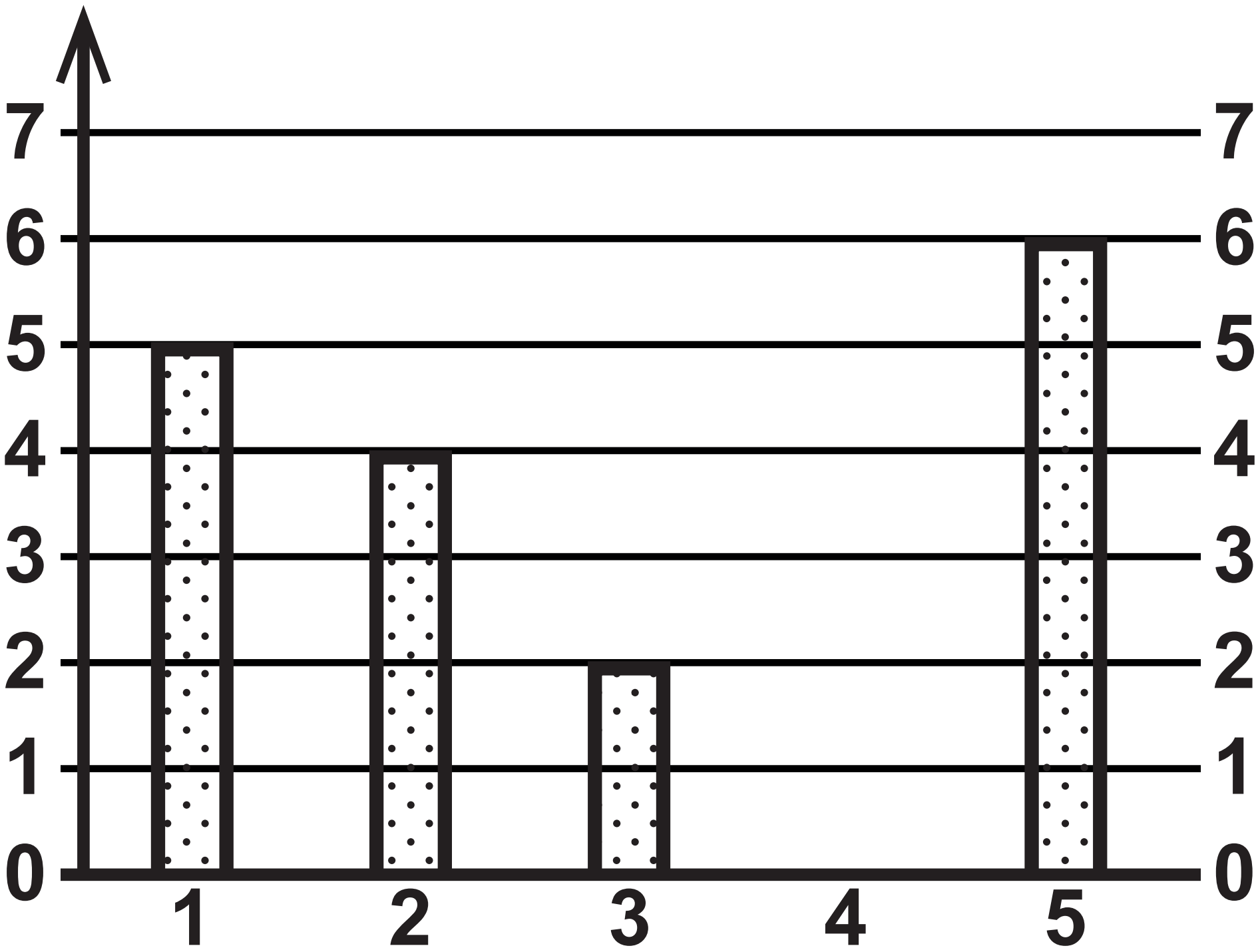
Frequency



Star rating

(Source: www.amazon.co.uk)

Frequency



Star rating

(Source: www.amazon.co.uk)

Question 3(b)

Number of British Oscar winners	Tally	Frequency
1 or 2		
3 or 4		
5 or 6		
7 or 8		
9 or 10		
11 or 12		

Question 3(b)

Number of British Oscar winners	Tally	Frequency
1 or 2		
3 or 4		
5 or 6		
7 or 8		
9 or 10		
11 or 12		

9.2

4.3

68.2

12.3

6.5

10.6

14.2

16.0

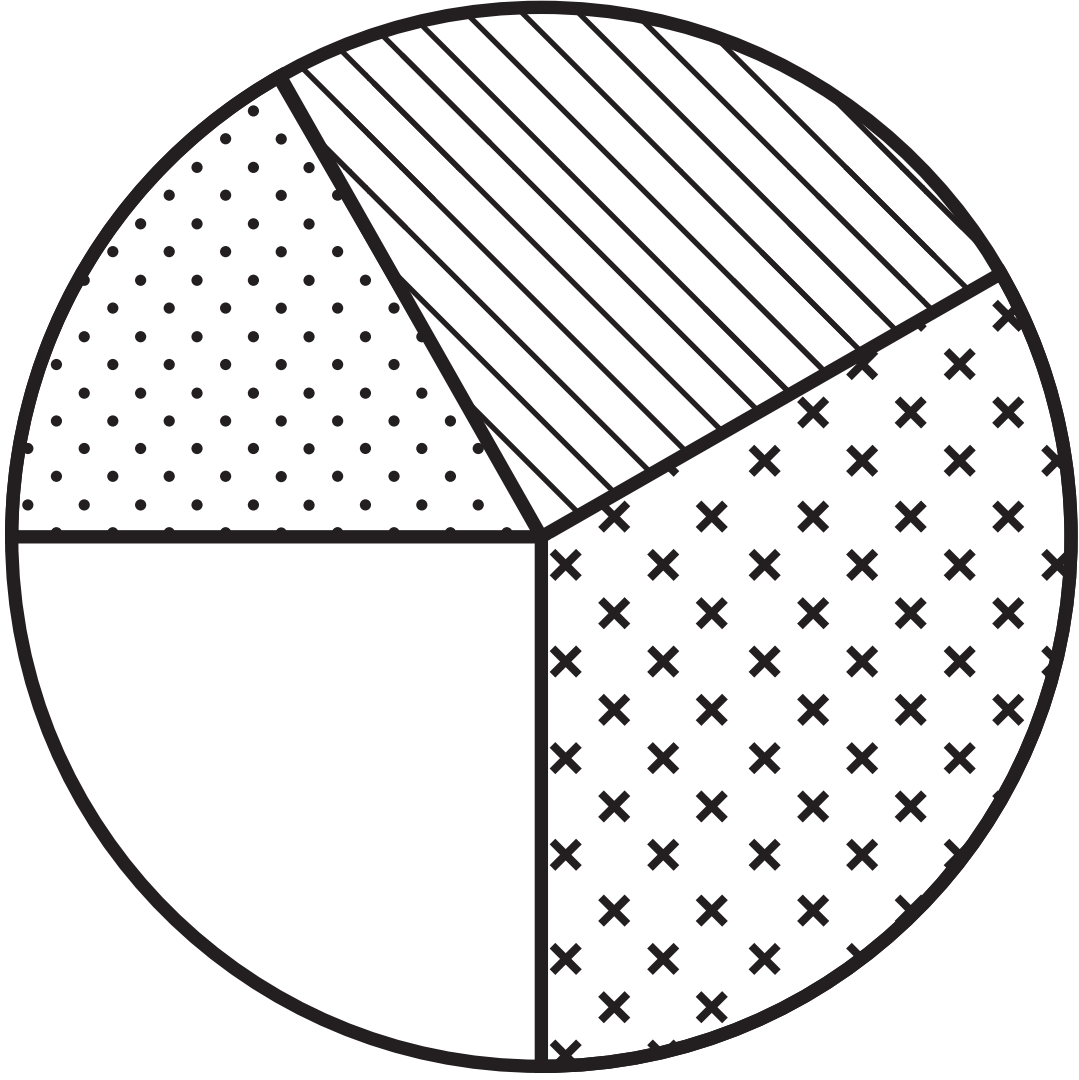
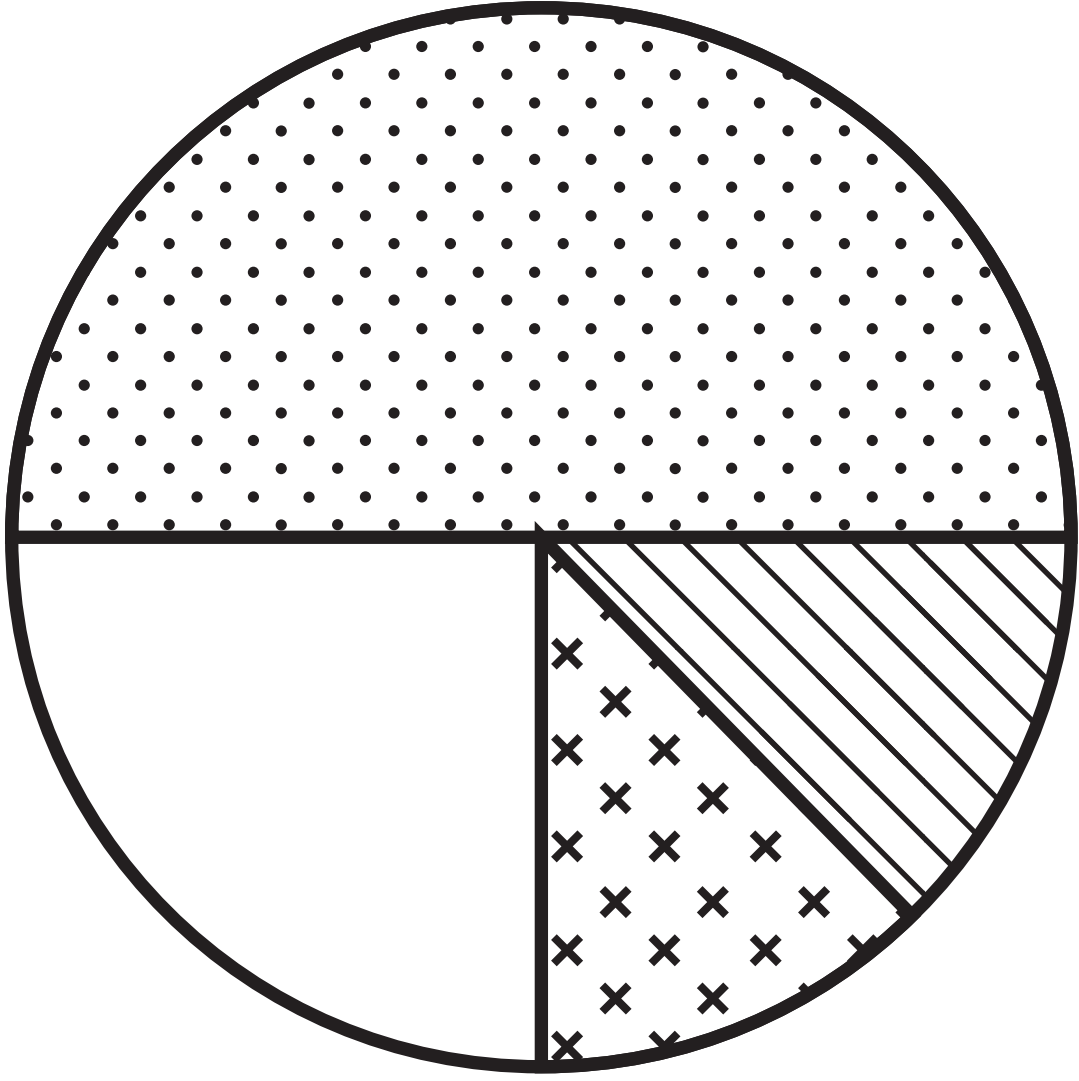
9.1

8.5

☐: Pizza
☐/ Pasta
☐^x_x Salad
☐ Meat

Male customers

Female customers



Question 8(b)

Number of days	Frequency
0	6
1	5
2	5
3	3
4	5
5	2
6	0
7	3
8	1

(continued on the next page)

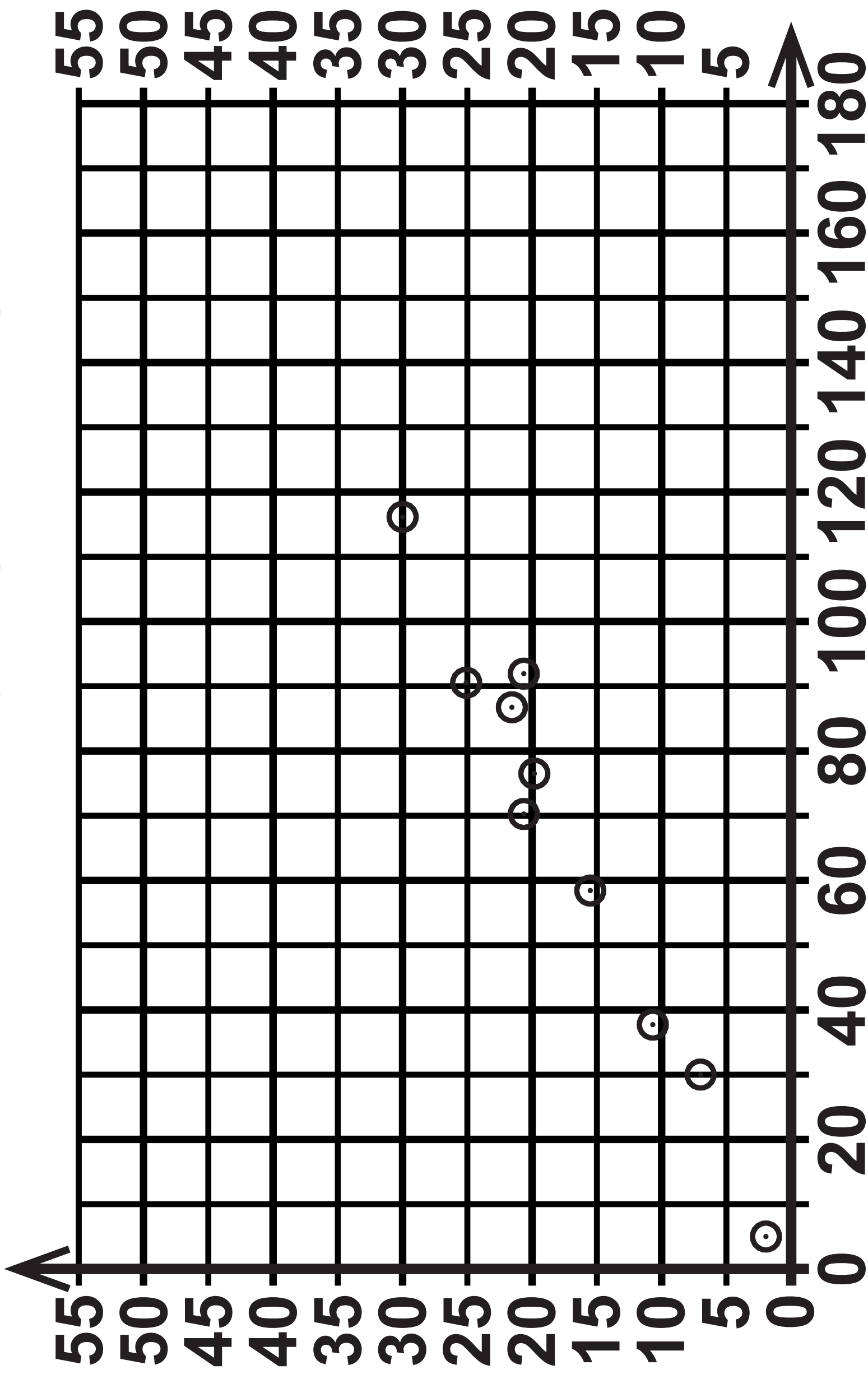
Ami's method is

$$\frac{0 + 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8}{9}$$

Tia's method is

$$\frac{0 \times 6 + 1 \times 5 + 2 \times 5 + 3 \times 3 + 4 \times 5 + 5 \times 2 + 6 \times 0 + 7 \times 3 + 8 \times 1}{30}$$

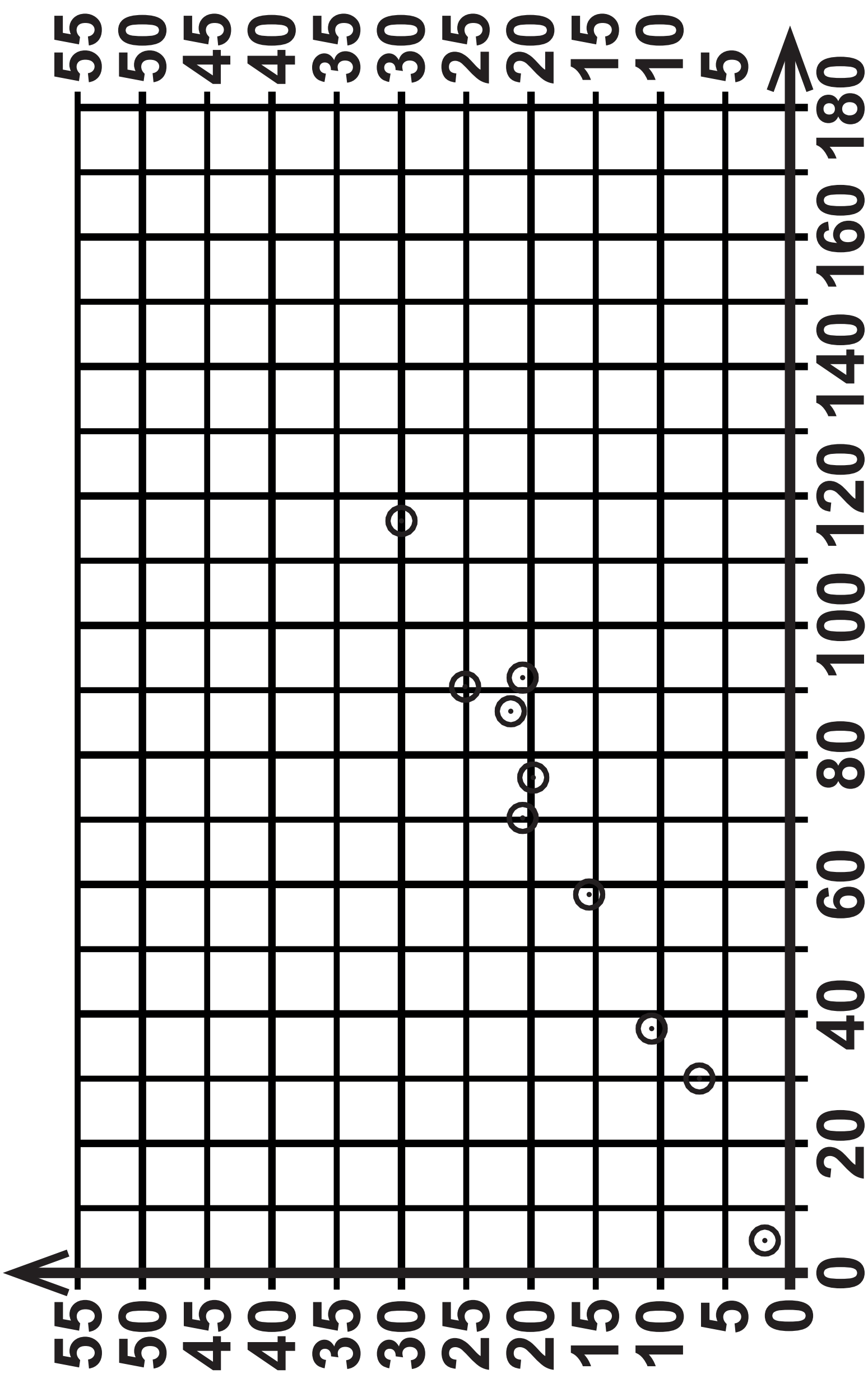
Maximum number of passengers (hundreds)



Weight (thousand tons)

(Source: www.stat.ufl.edu)

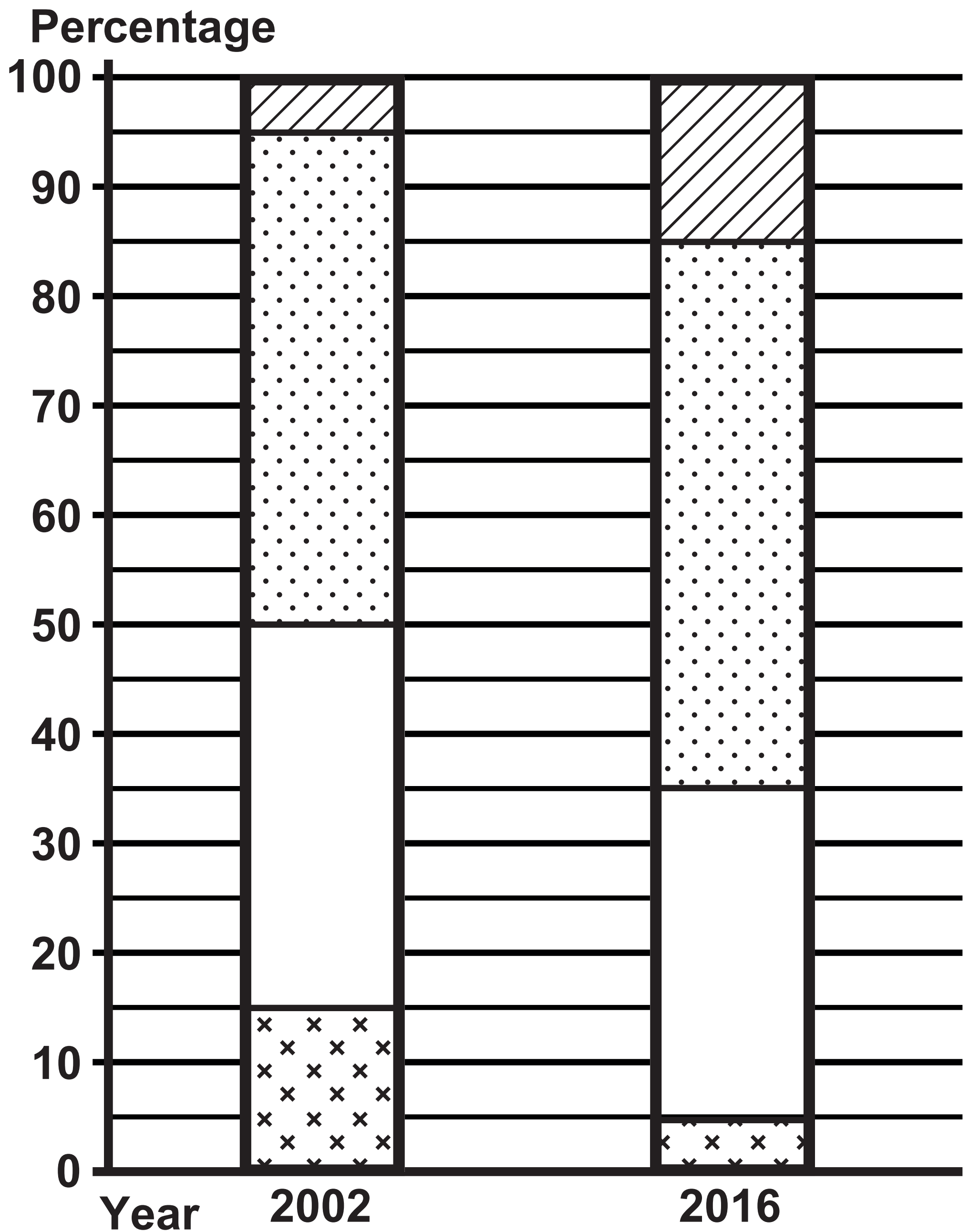
Maximum number of passengers (hundreds)



Weight (thousand tons)

(Source: www.stat.ufl.edu)

Key:  50 or over  30-49
 21-29  20 or under



Question 11

Key:

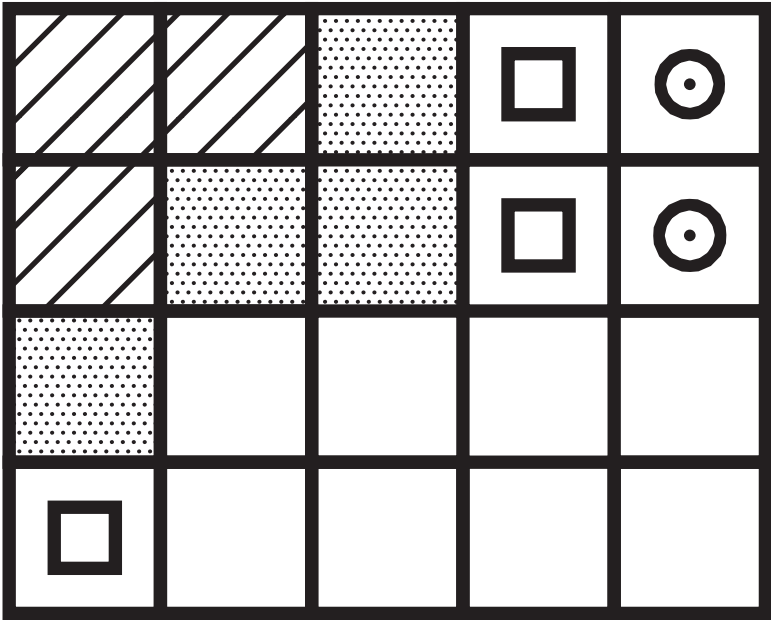
Number of children

9 or more

6–8

3–5

0–2



Question 11

Key:

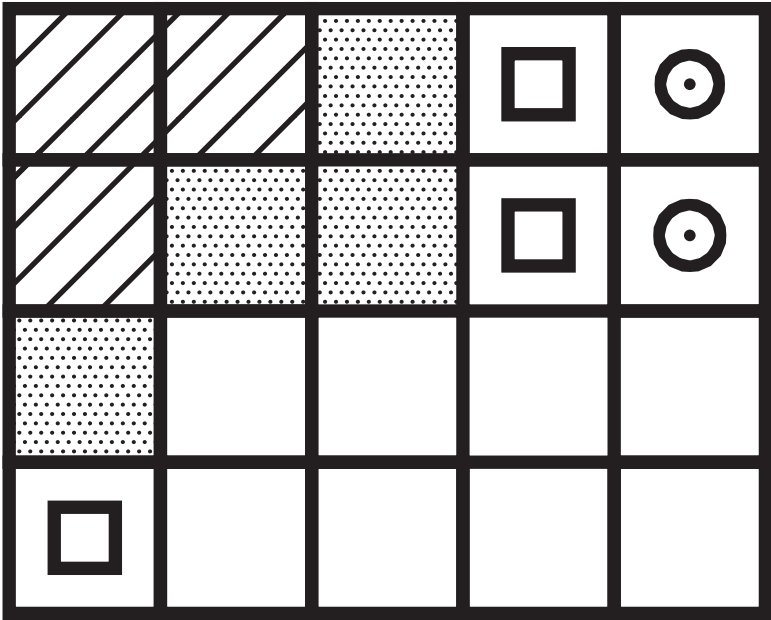
Number of children

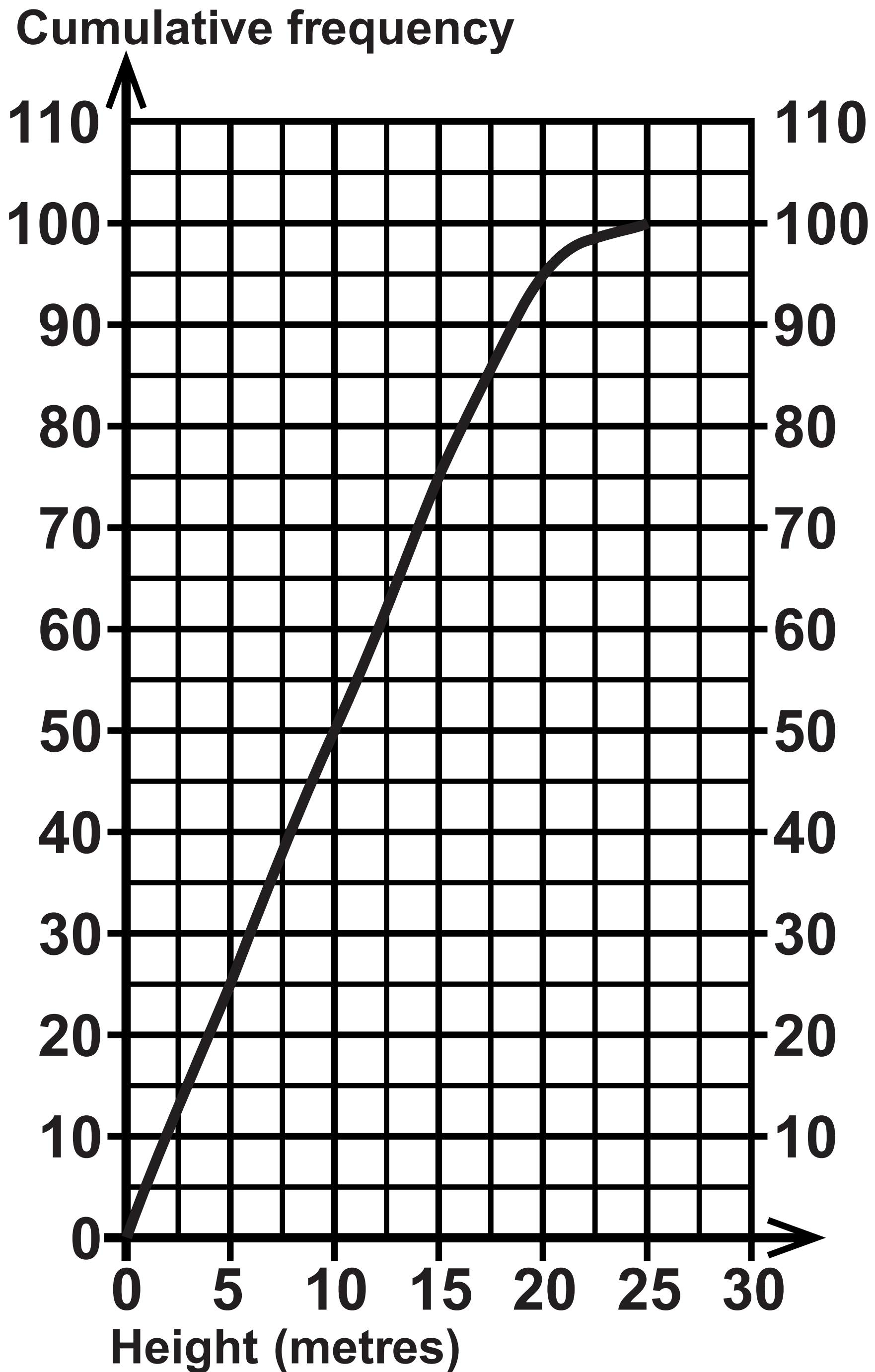
9 or more

6–8

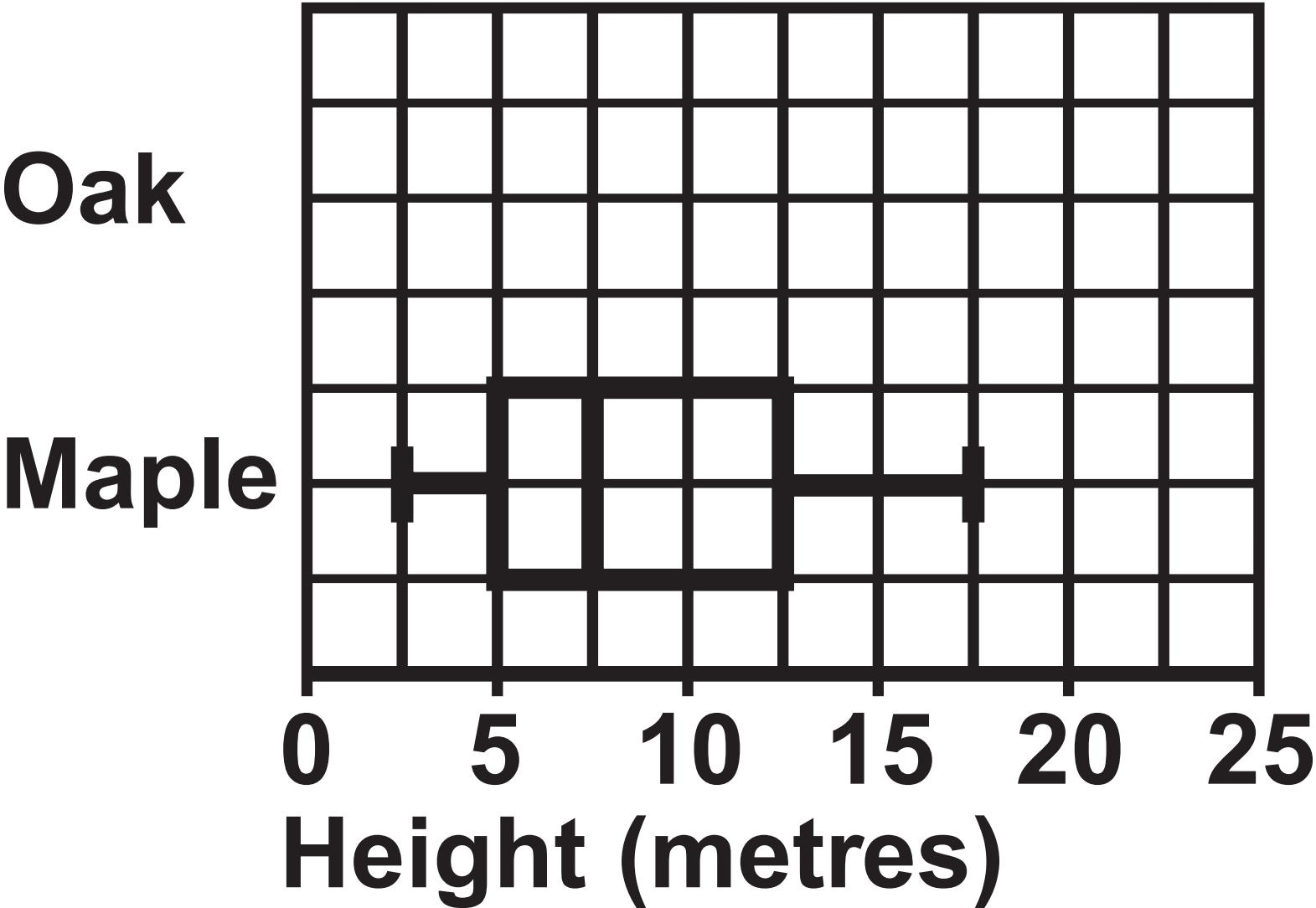
3–5

0–2

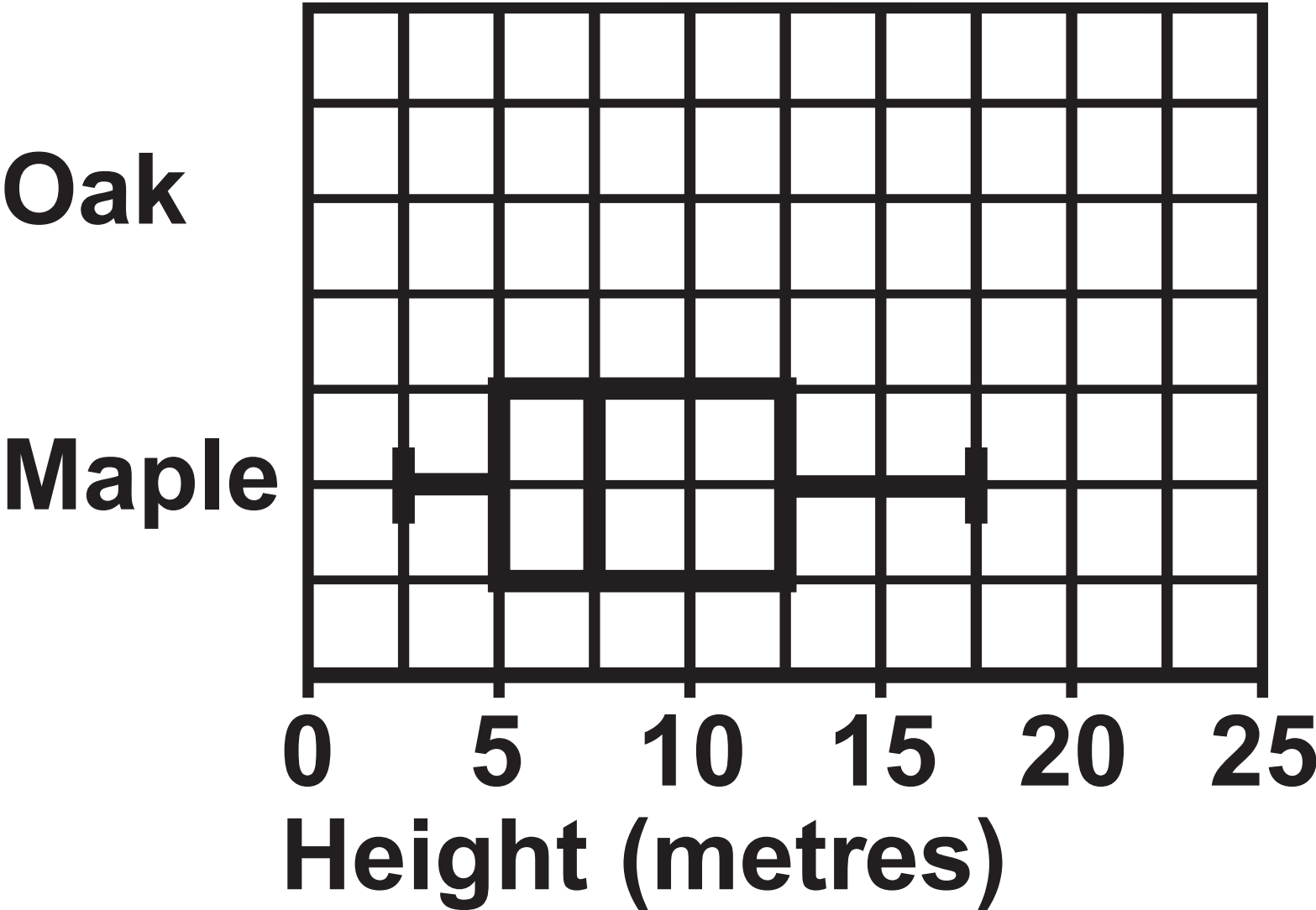




(Adapted from: opendata.camden.gov.uk)



Question 12(b)



Type of school	Applications in 2016		
	Gender		Total
	Male	Female	
Maintained	3674	2899	6573
Independent	1510	1268	2778
Other and Overseas	300	312	612
Total	5484	4479	9963

(Source: www.cam.ac.uk)

Question 15

A driving school has 40 cars.

The cars are either petrol cars or diesel cars.

The cars have either a manual gearbox or an automatic gearbox.

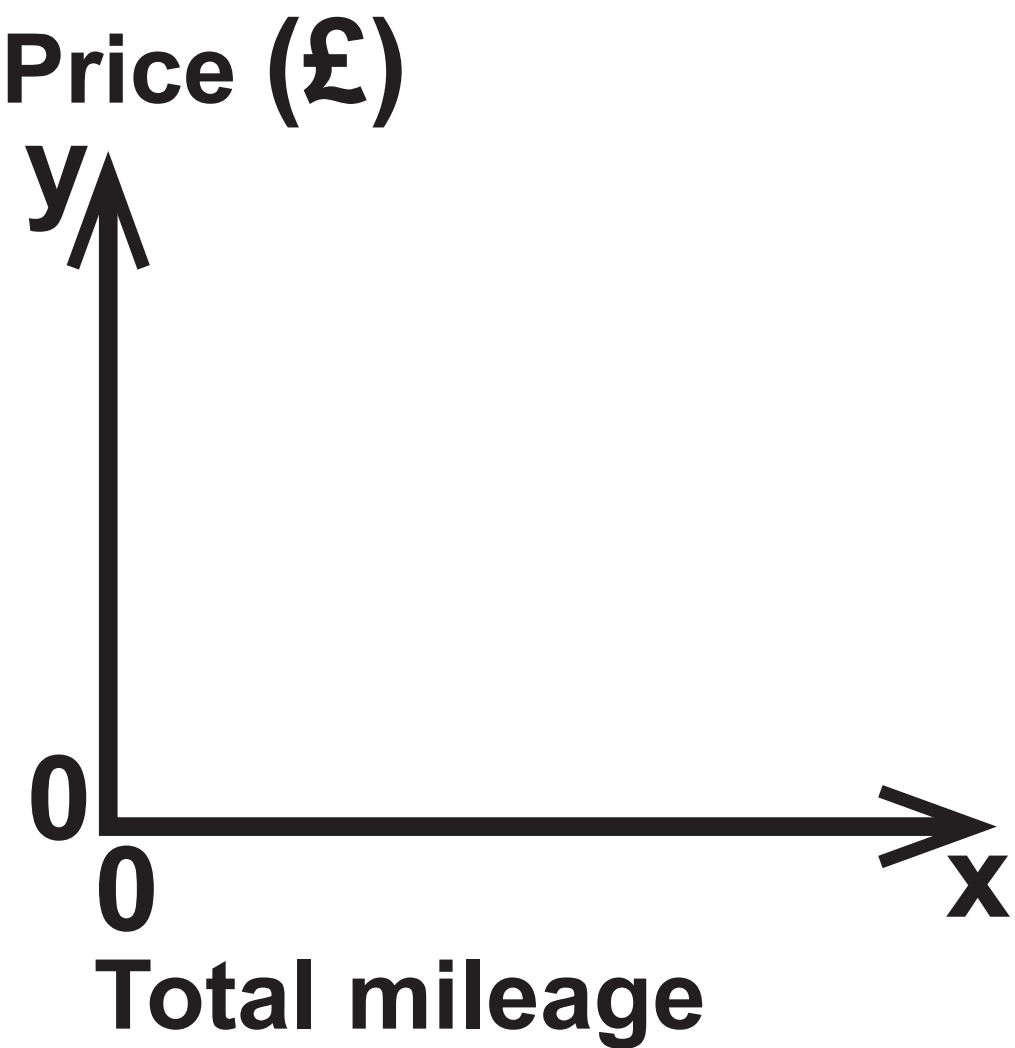
16 of the cars have an automatic gearbox.

10 of the petrol cars have an automatic gearbox.

There are 30 petrol cars.

One of the petrol cars is to be picked at random.

One of the diesel cars is to be picked at random.



Model	Gradient of line of best fit	Intercept of line of best fit on the y-axis
A	-0.135	13 500
B	-0.105	20 500