

Paper Reference 1MA1/2H  
Pearson Edexcel  
Level 1/Level 2 GCSE (9–1)

Mathematics  
Paper 2  
(Calculator)  
Higher Tier

Thursday 6 June 2019 – Morning

Diagram 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 diagrams in case you need them.

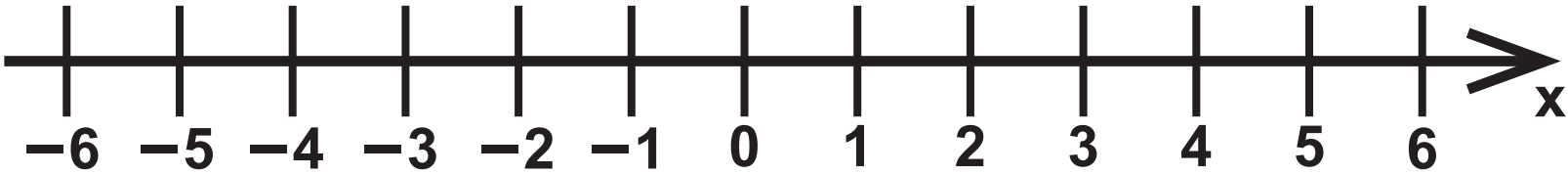
**THIS DIAGRAM BOOK MUST BE RETURNED WITH THE  
QUESTION PAPER AT THE END OF THE EXAMINATION.**

## Contents

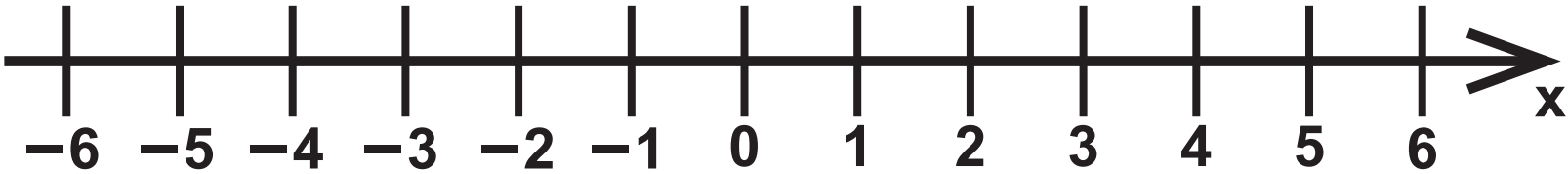
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| 6  | Question 2                  |
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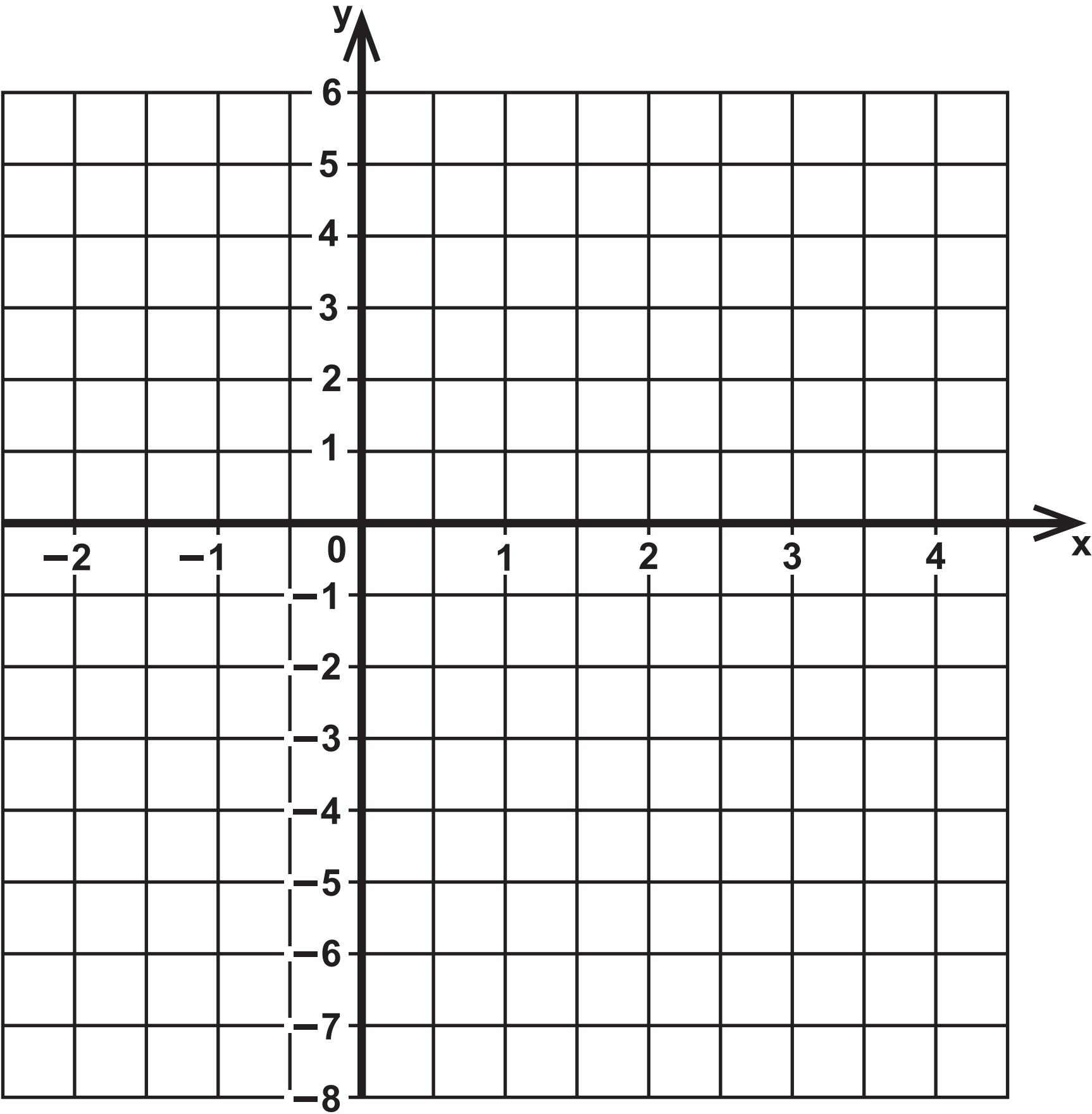
Question 1(b)



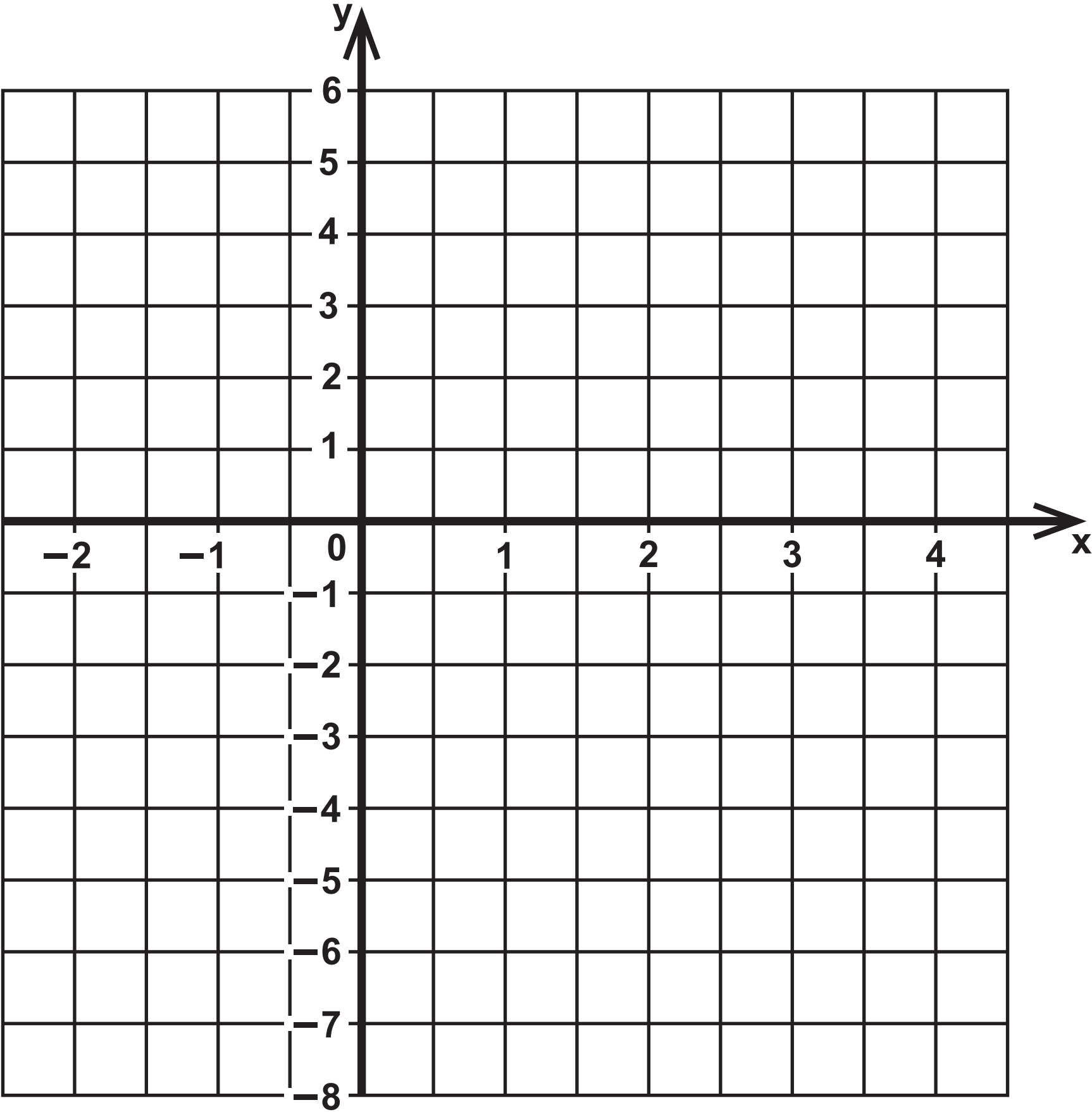
Question 1(b)



Question 2



Question 2

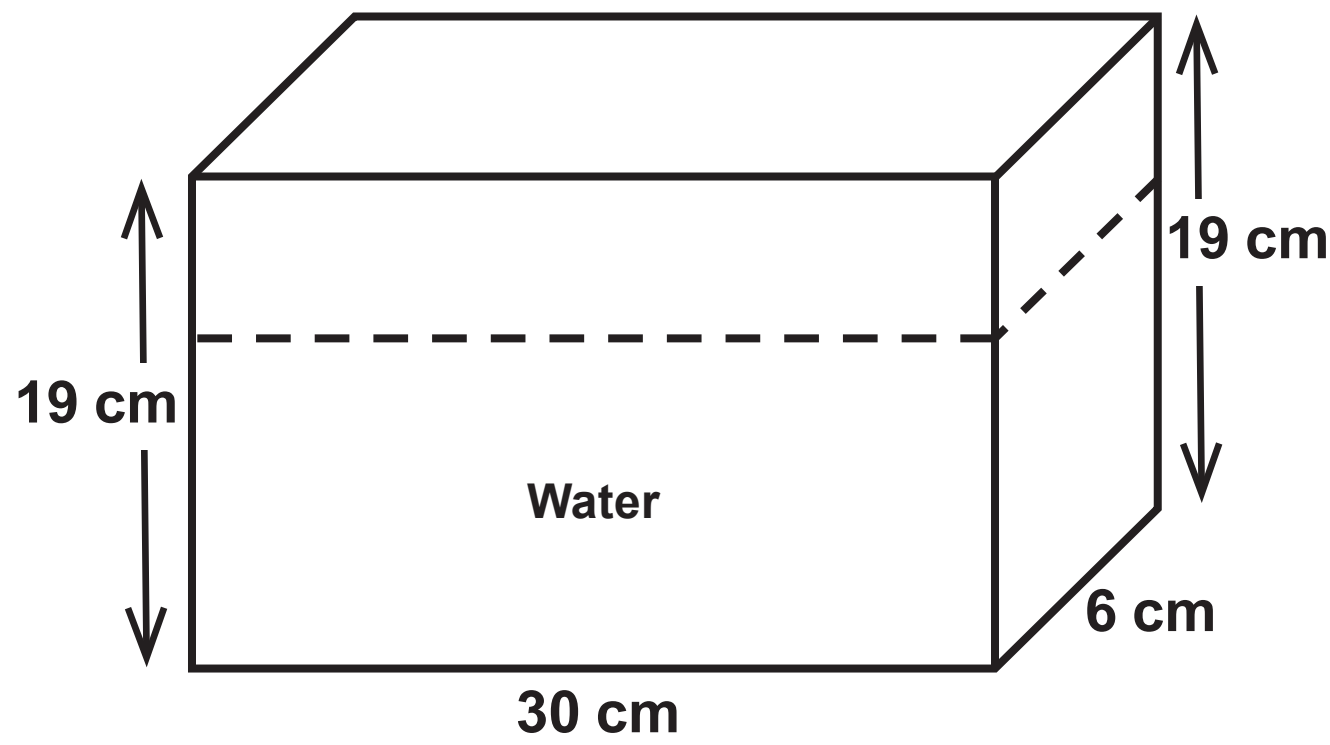


Question 3

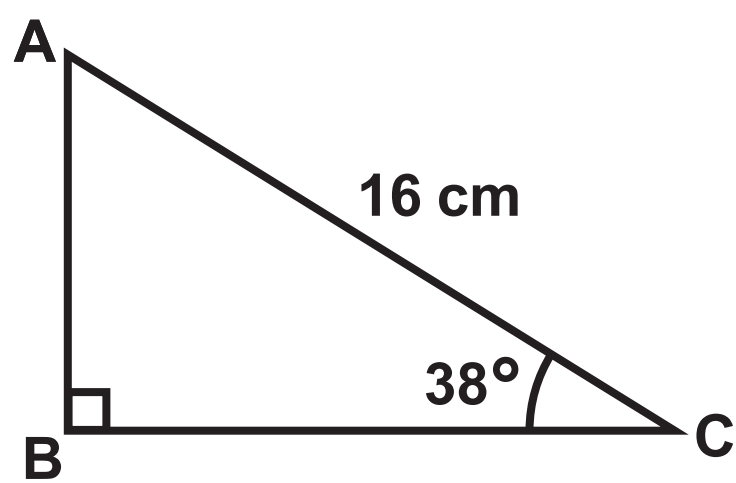
| Place         | Number of students |
|---------------|--------------------|
| Theme Park    | 10                 |
| Theatre       | 5                  |
| Sports Centre | 8                  |
| Seaside       | 7                  |



Question 4



## Question 5



Question 10(a)

Thursday

late

0.15

not late

Friday

late

not late

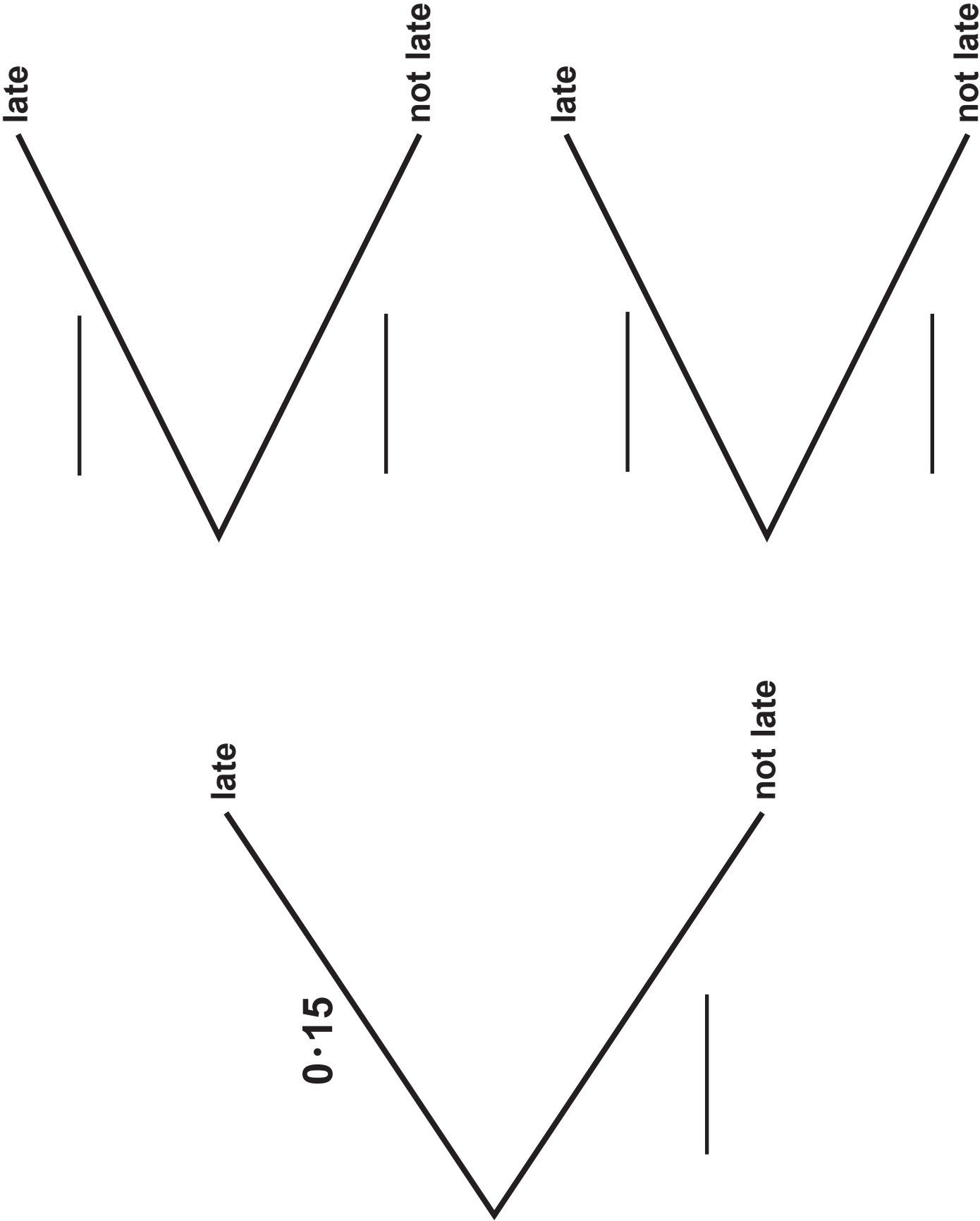
late

not late

Question 10(a)

Thursday

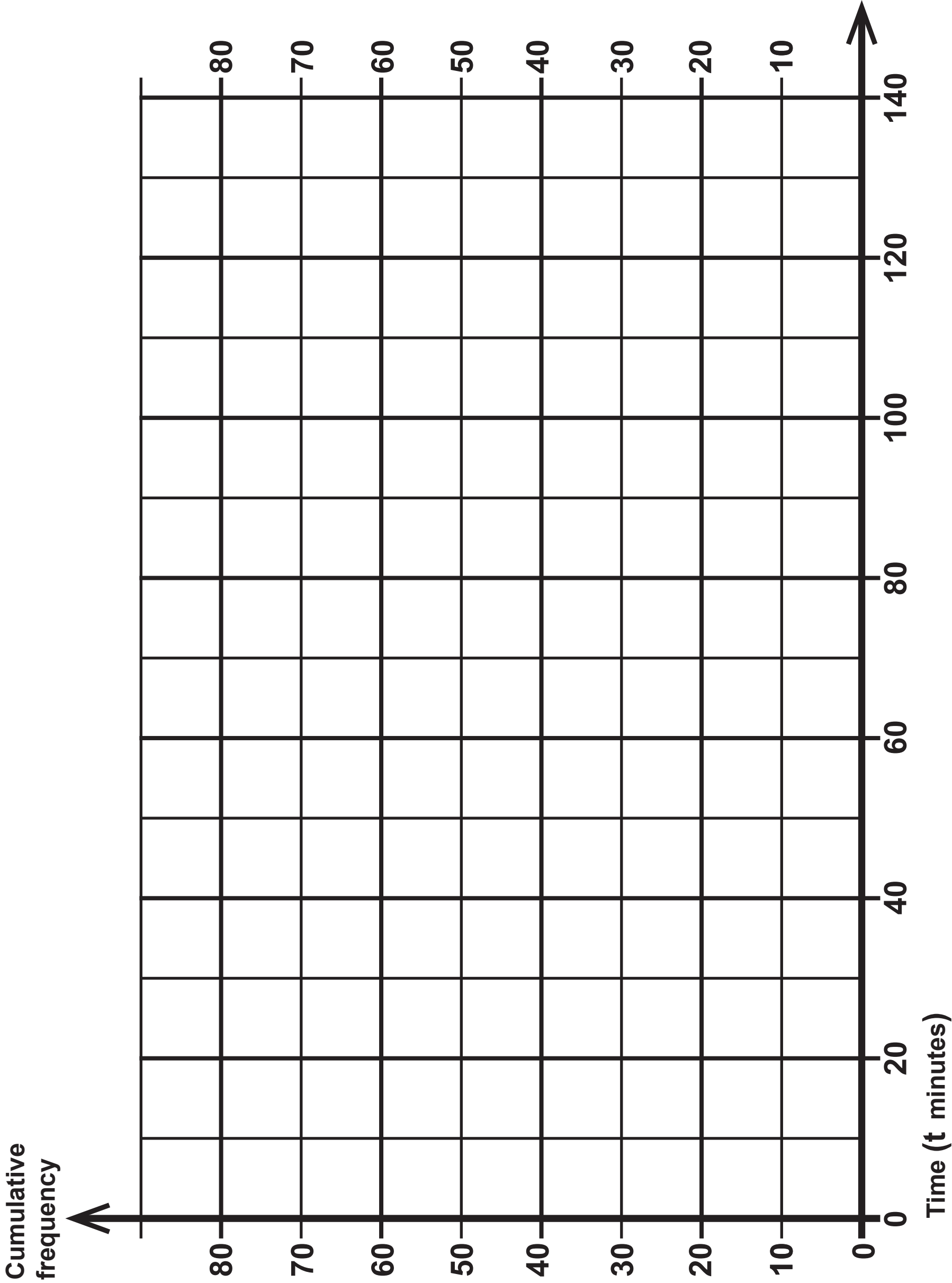
Friday



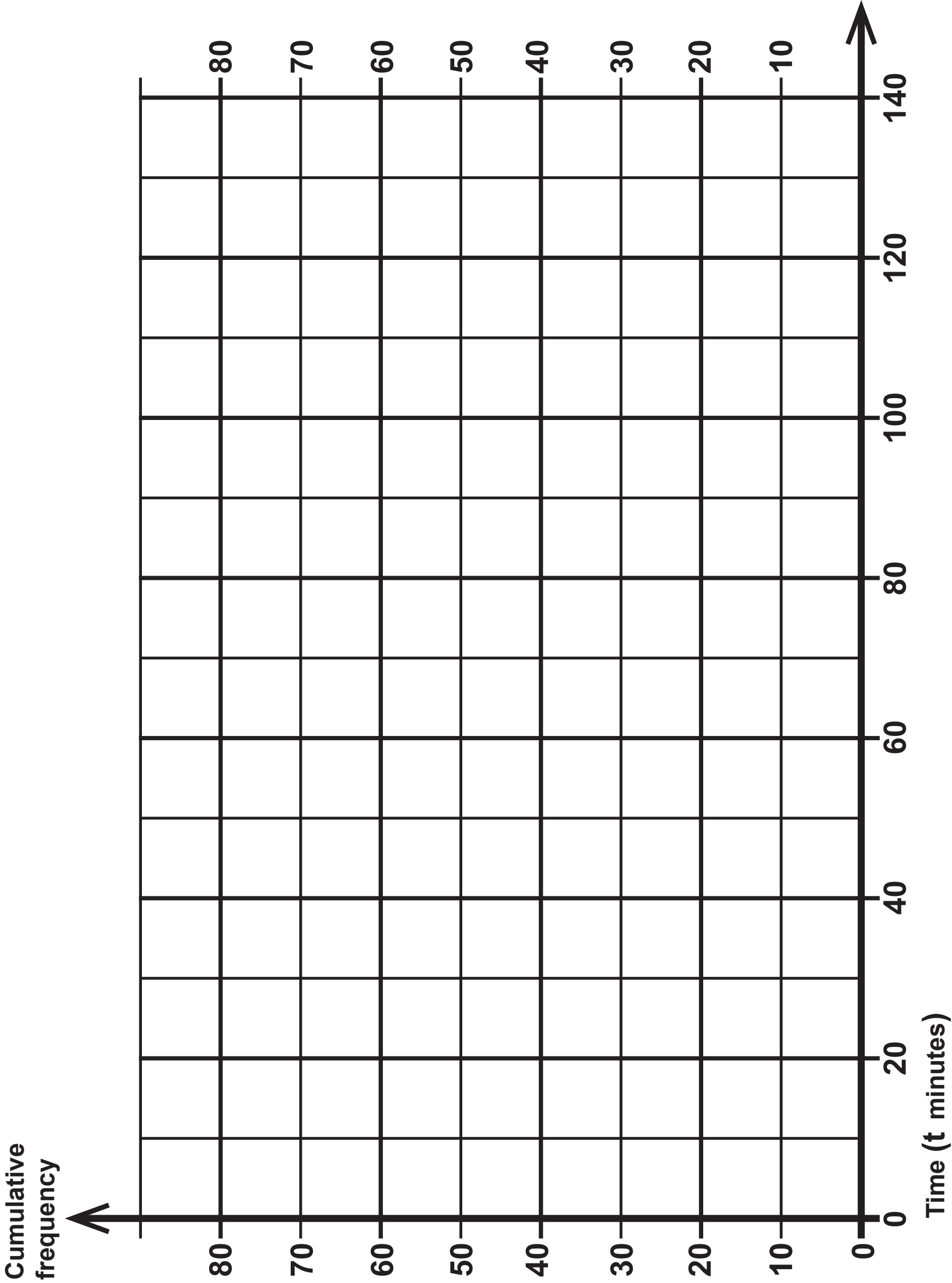
Question 11

| Time (t minutes)   | Frequency |
|--------------------|-----------|
| $0 < t \leq 20$    | 5         |
| $20 < t \leq 40$   | 25        |
| $40 < t \leq 60$   | 20        |
| $60 < t \leq 80$   | 15        |
| $80 < t \leq 100$  | 10        |
| $100 < t \leq 120$ | 5         |

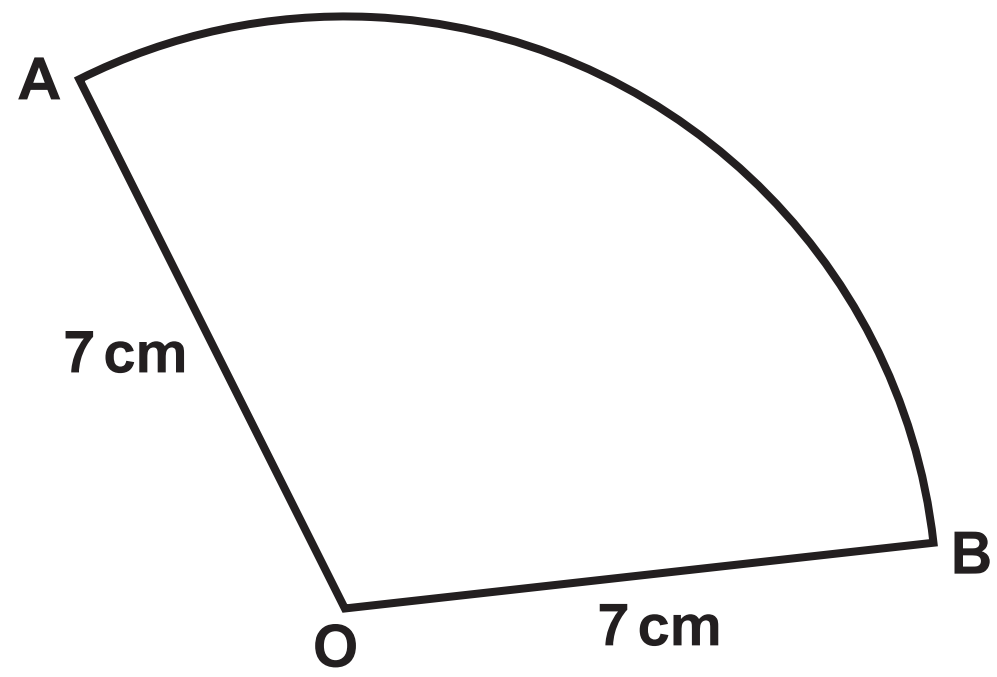
Question 11(b)



Question 11(b)

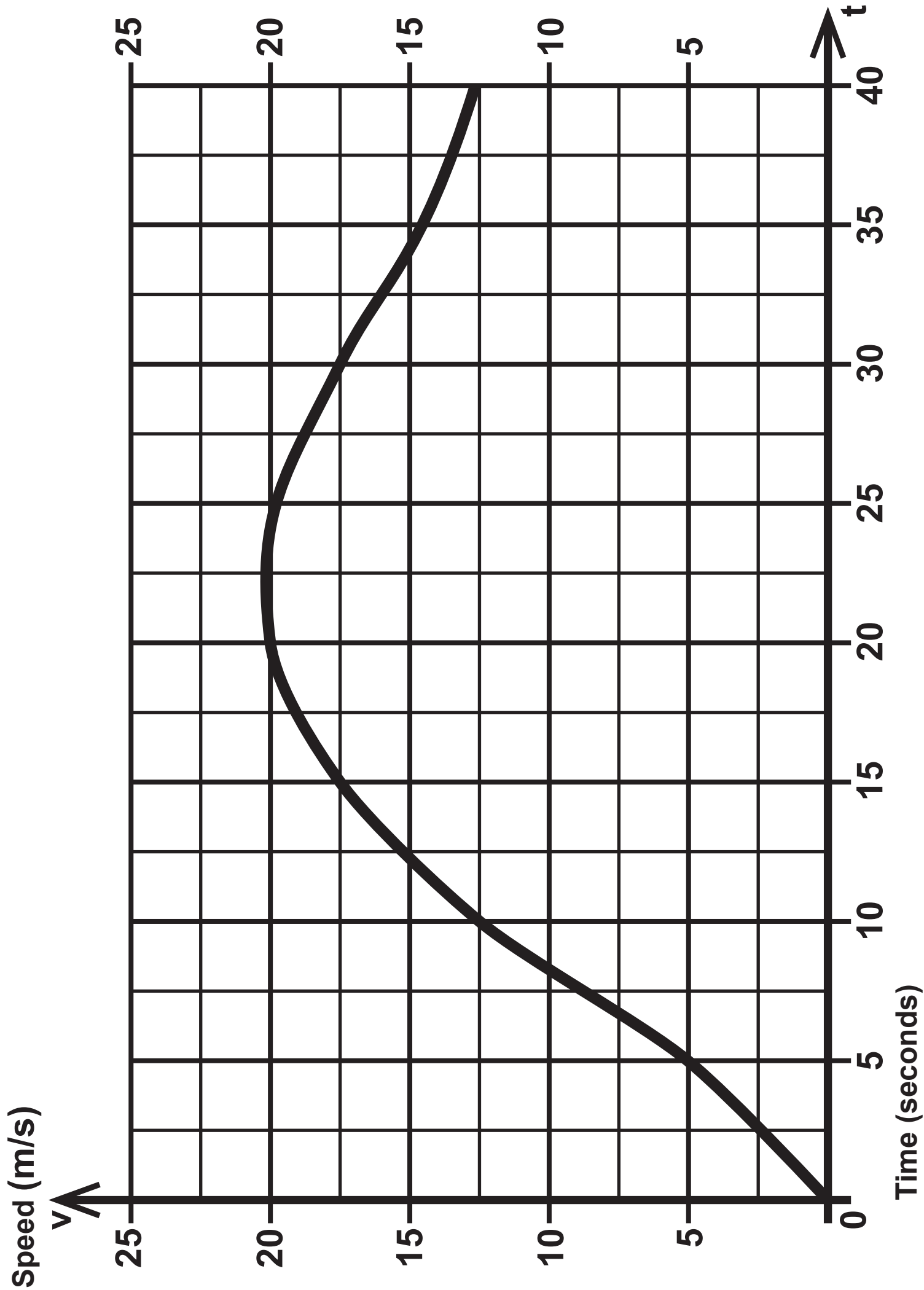


## Question 12

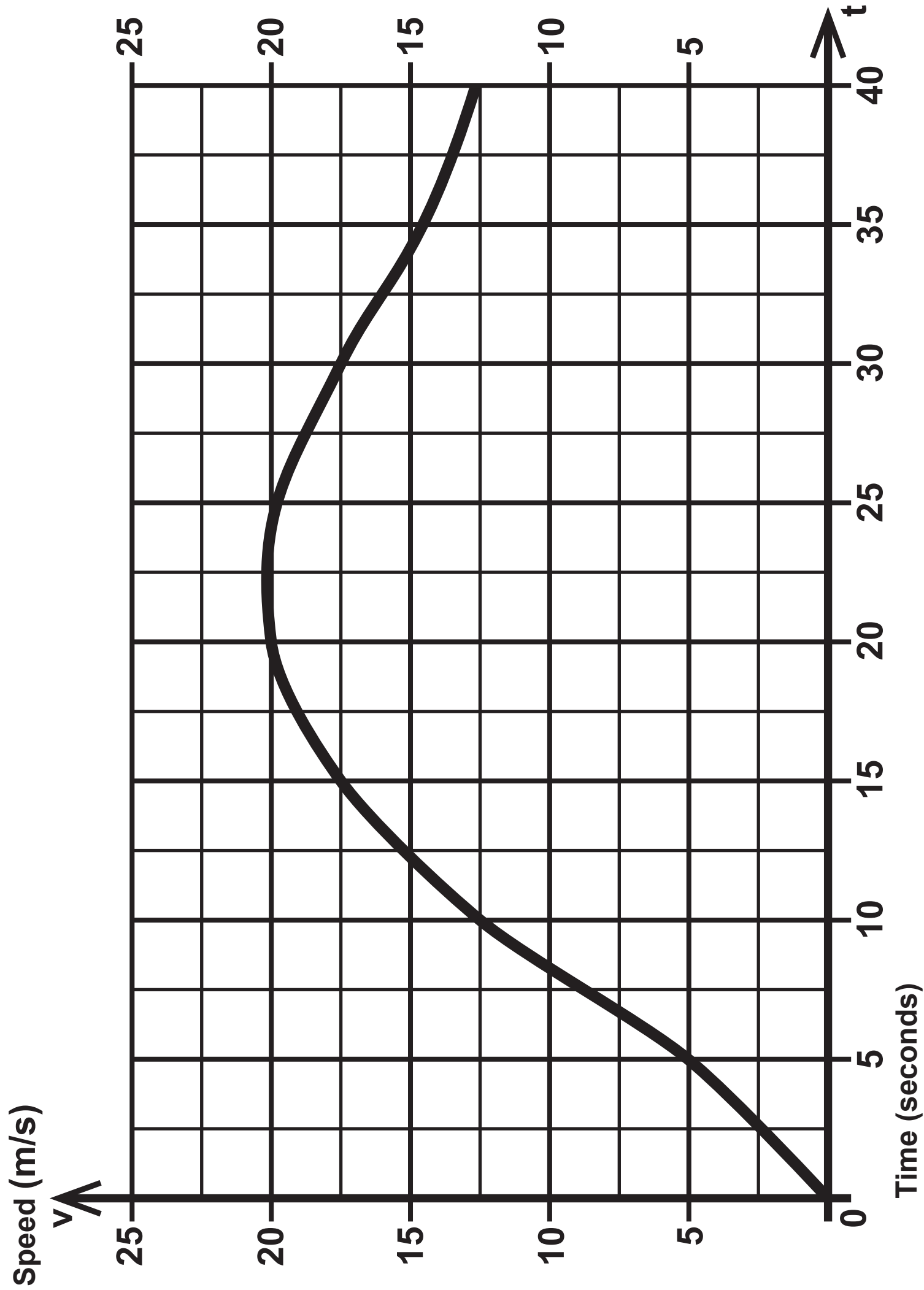




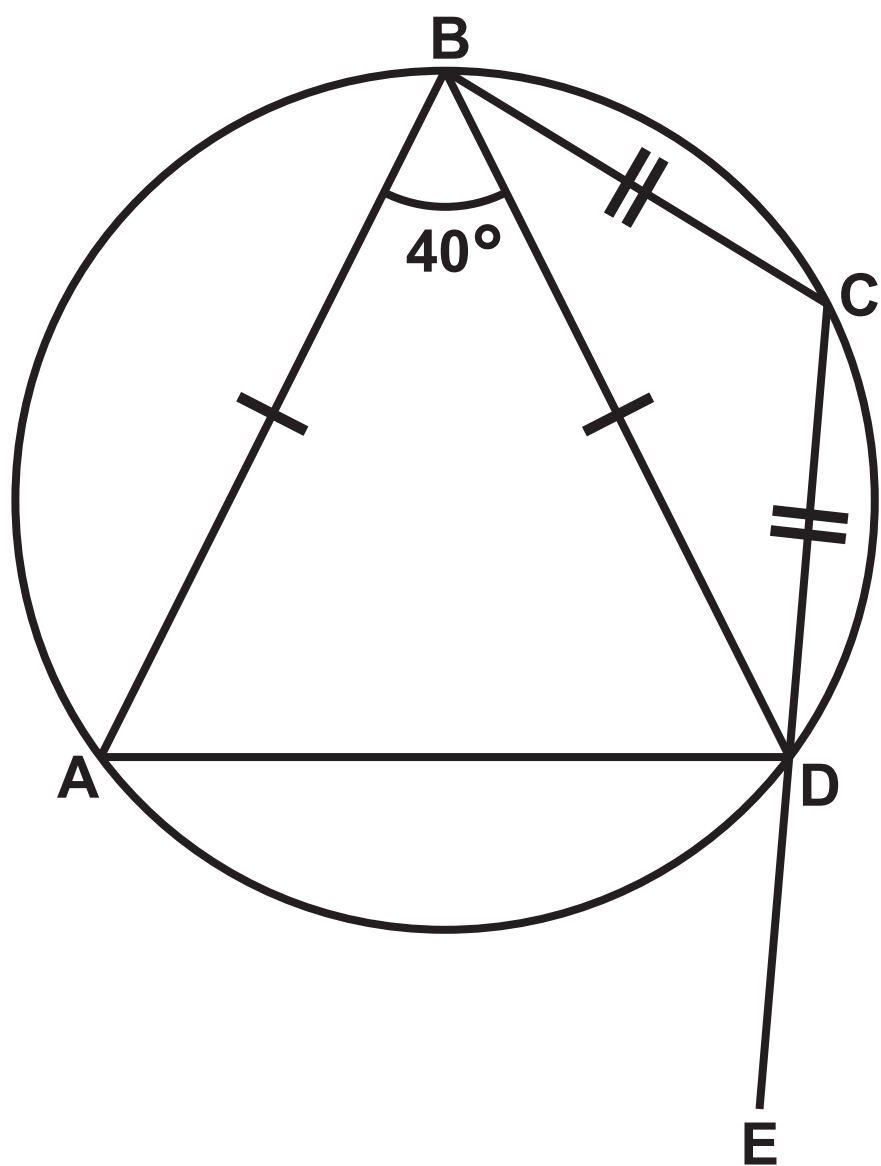
Question 14



Question 14



## Question 18



Question 19

Diagram 1

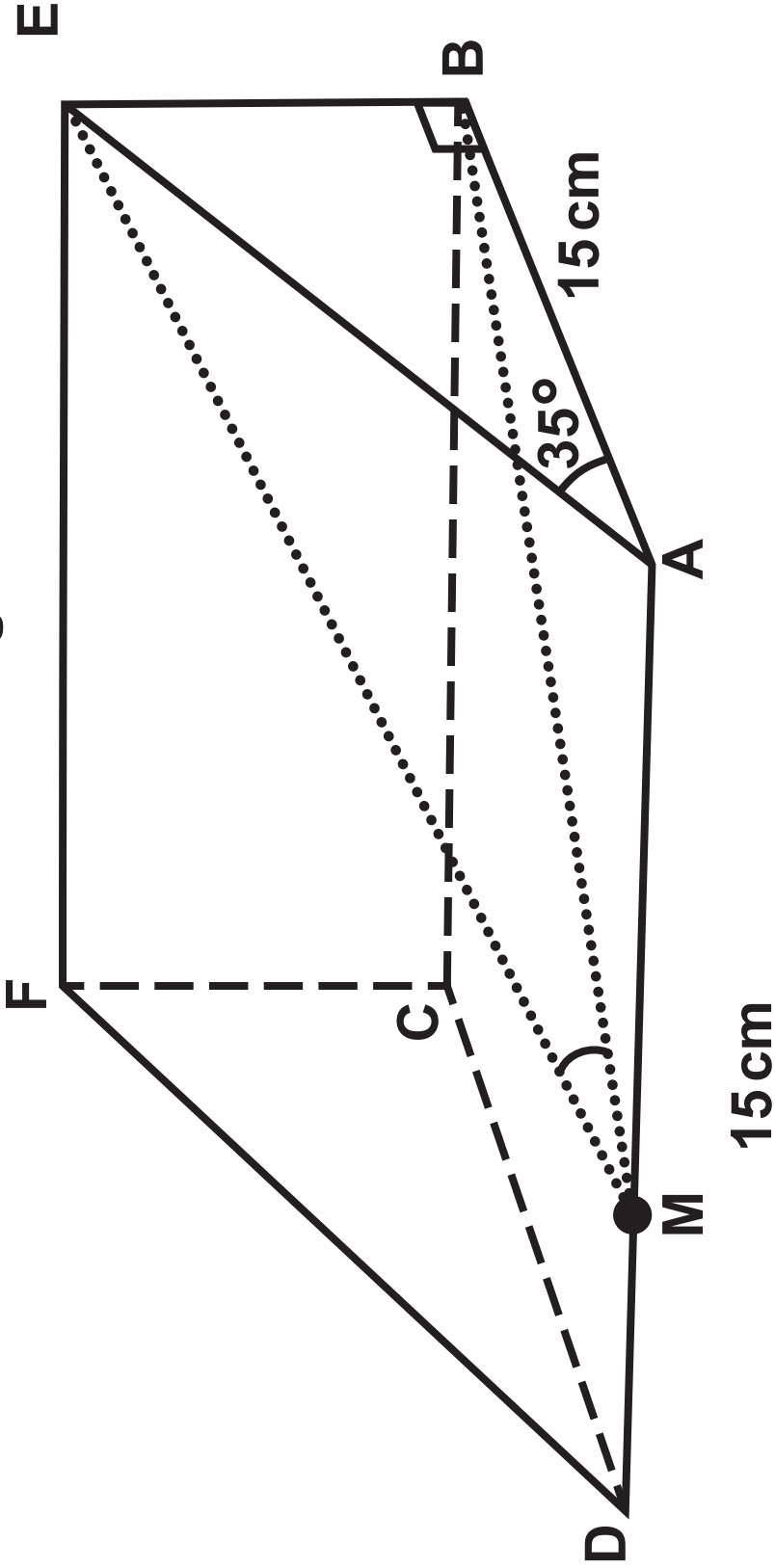


Diagram 1a

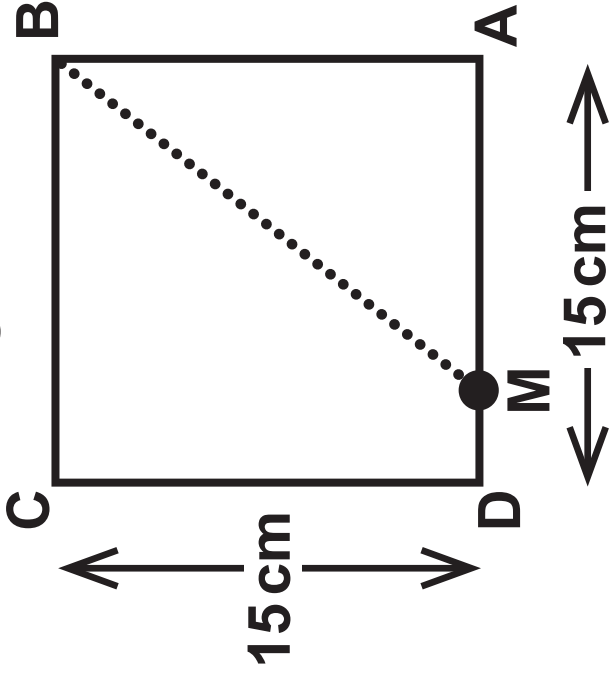


Diagram 1b

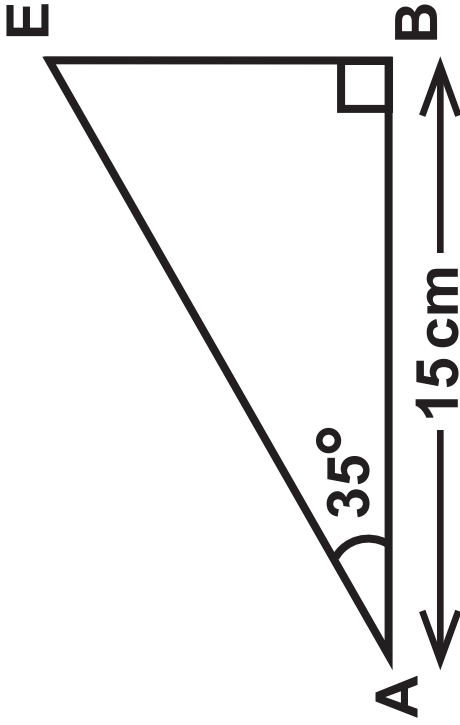
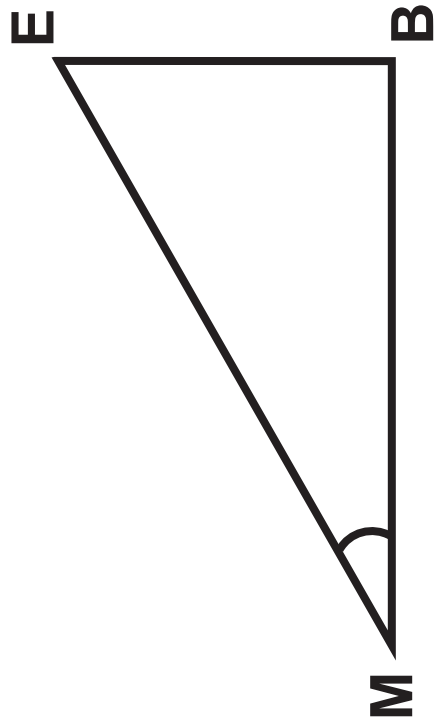


Diagram 1c



Question 20

Diagram 1

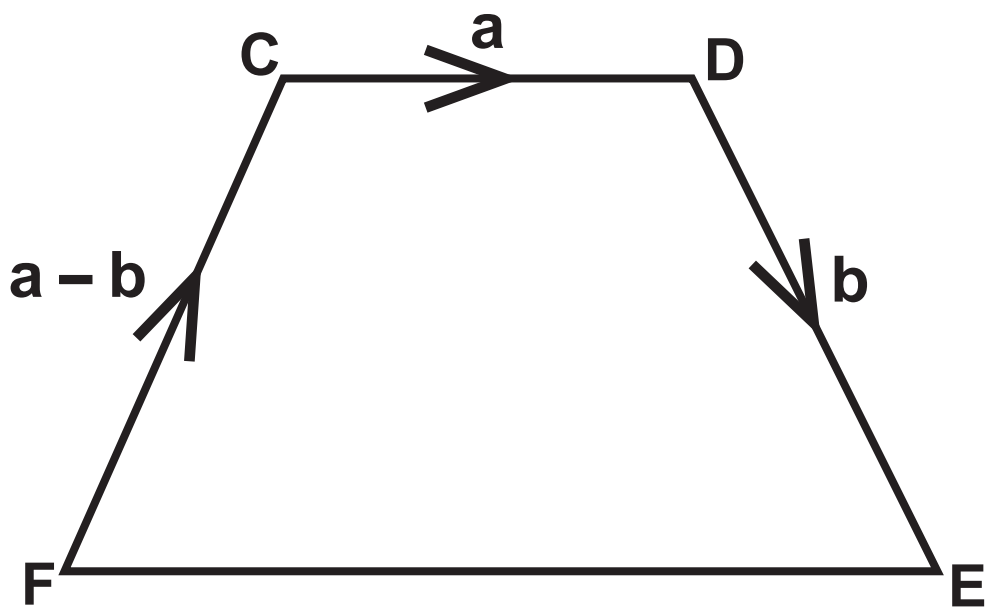


Diagram 2

