

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

Mathematics
Paper 2
(Calculator)
Higher Tier

Thursday 7 November 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.

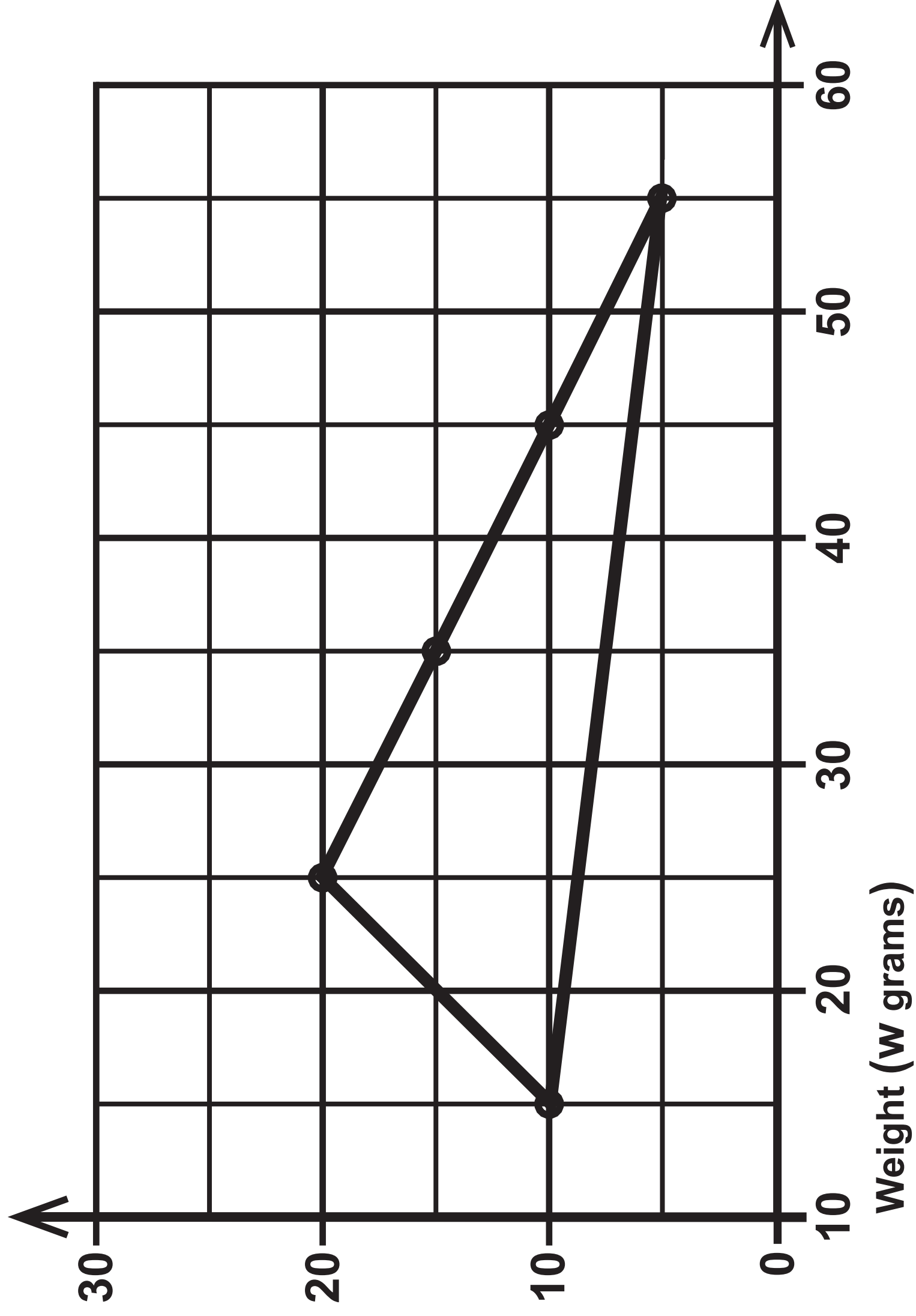
THIS DIAGRAM BOOK MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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Question 1



Question 3

Tom and Adam have a total of 240 stamps.

The ratio of the number of Tom's stamps to the number of Adam's stamps is 3 : 7

Tom buys some stamps from Adam.

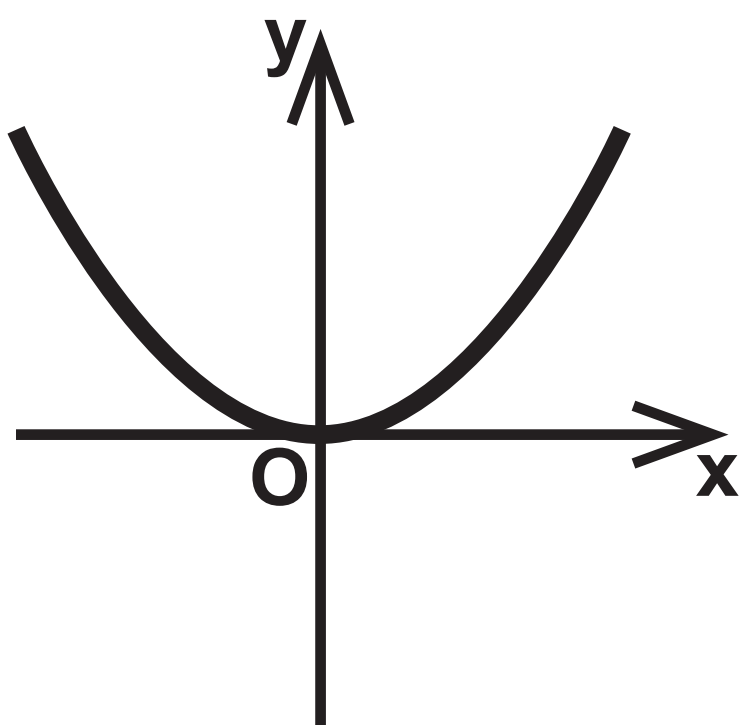
The ratio of the number of Tom's stamps to the number of Adam's stamps is now 3 : 5

Question 4

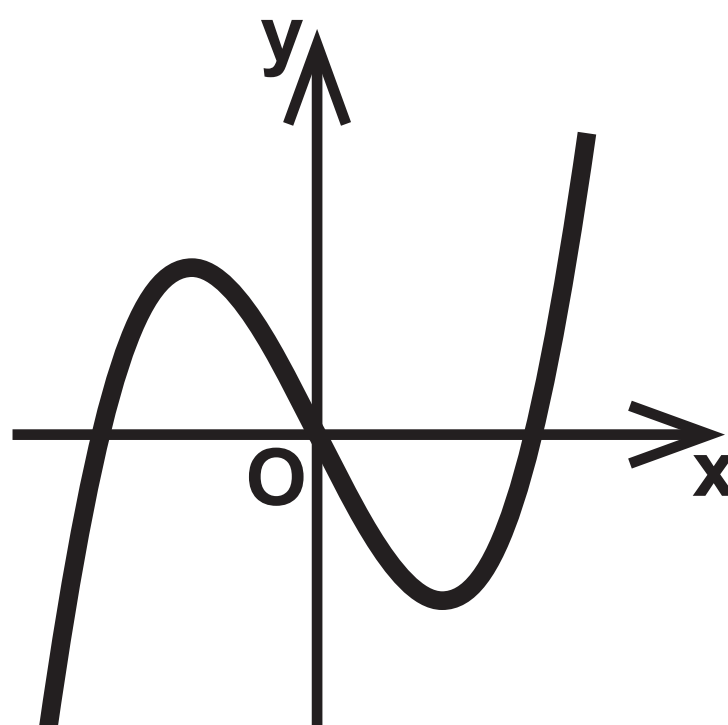
Gift	Number of people
sports bag	17
gym towel	7
headphones	11
voucher	15

Question 5

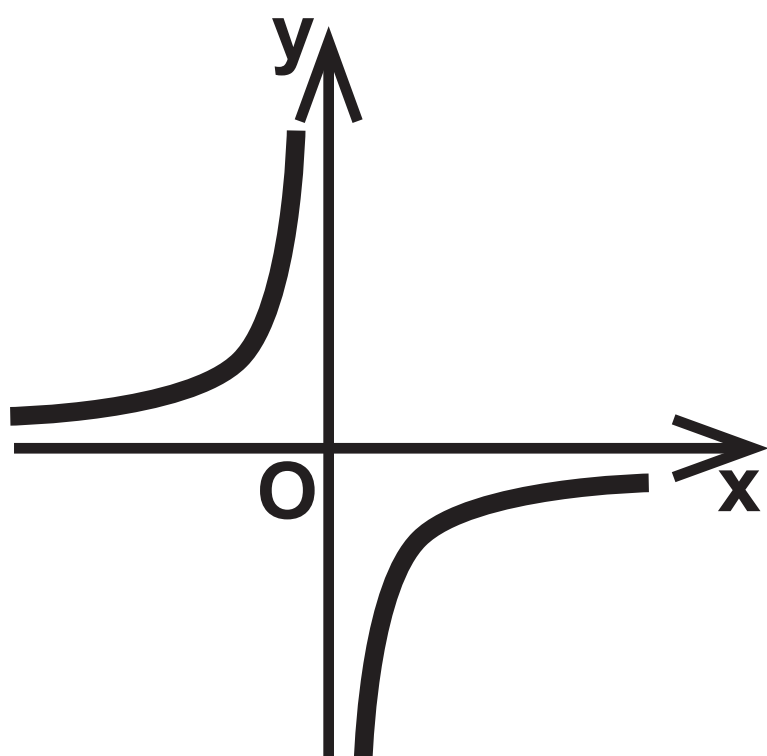
Graph A



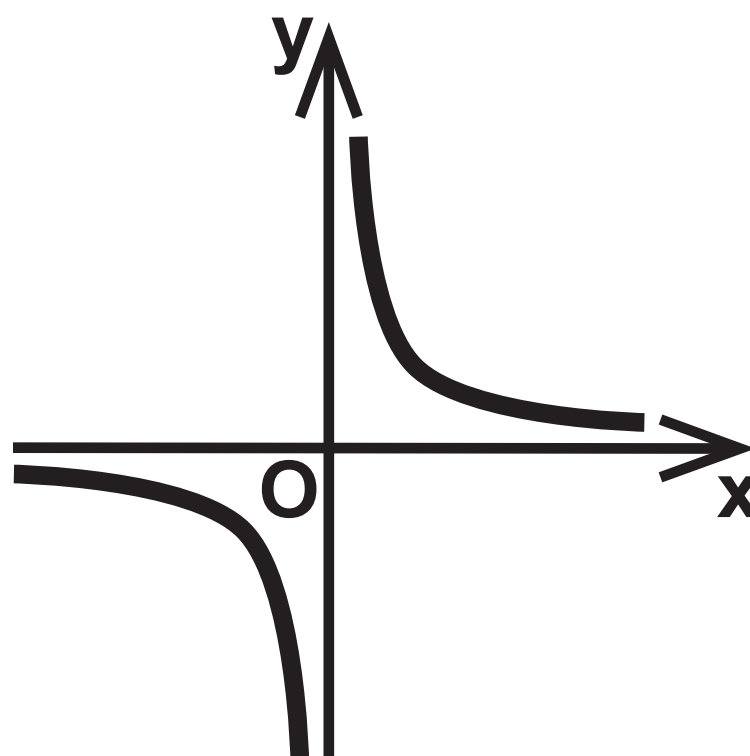
Graph B



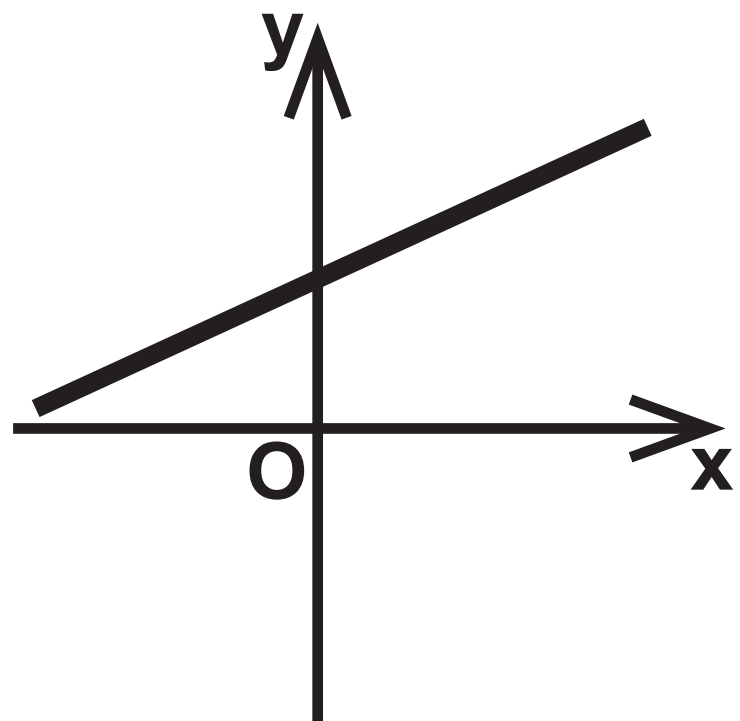
Graph C



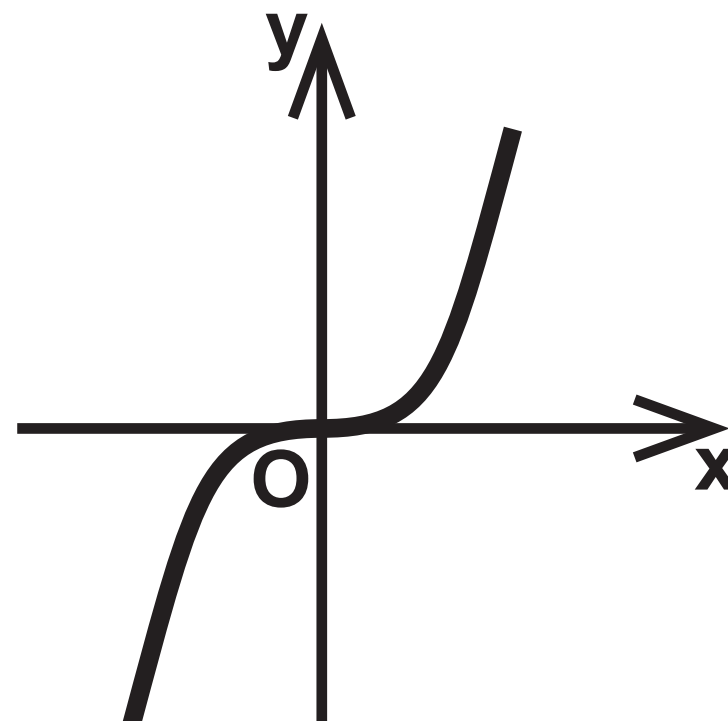
Graph D



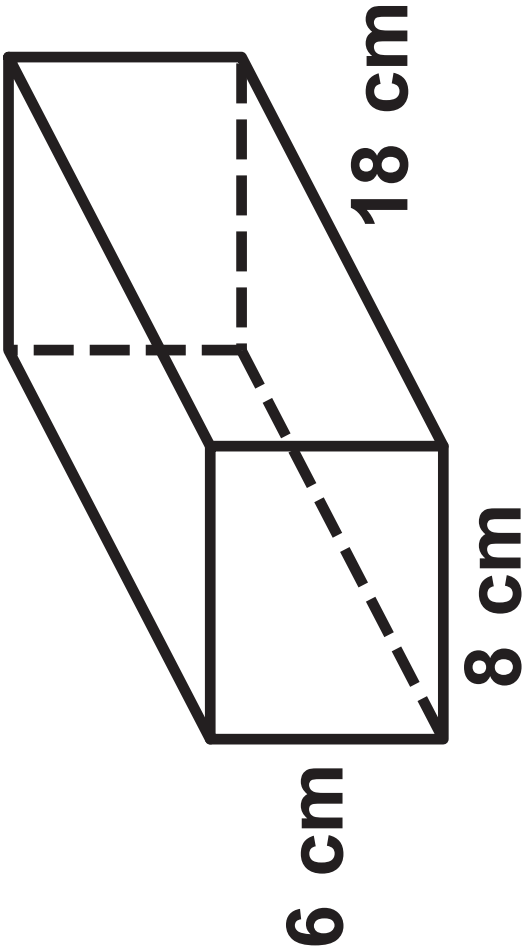
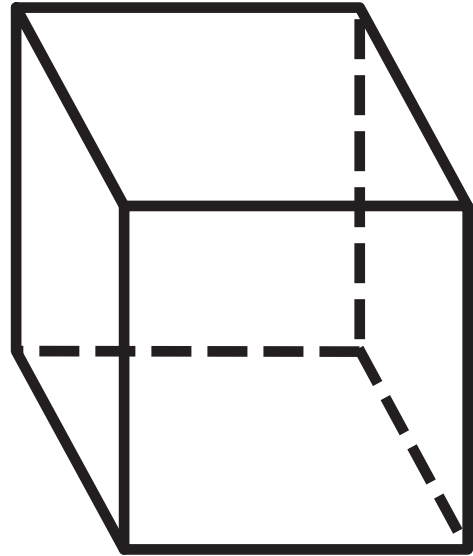
Graph E



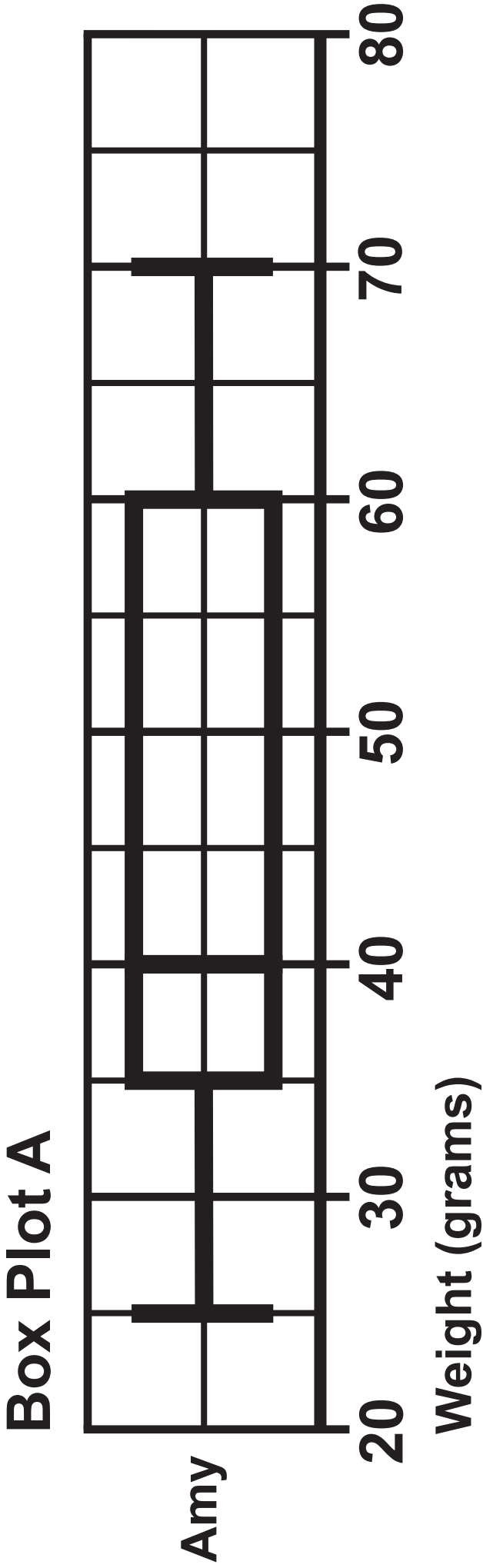
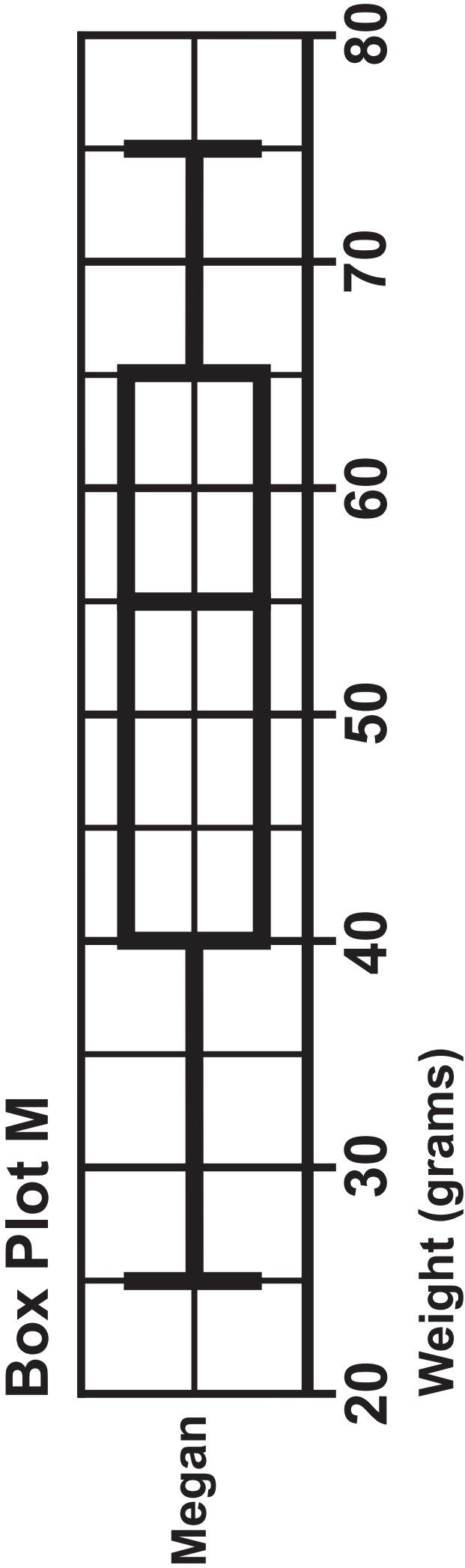
Graph F



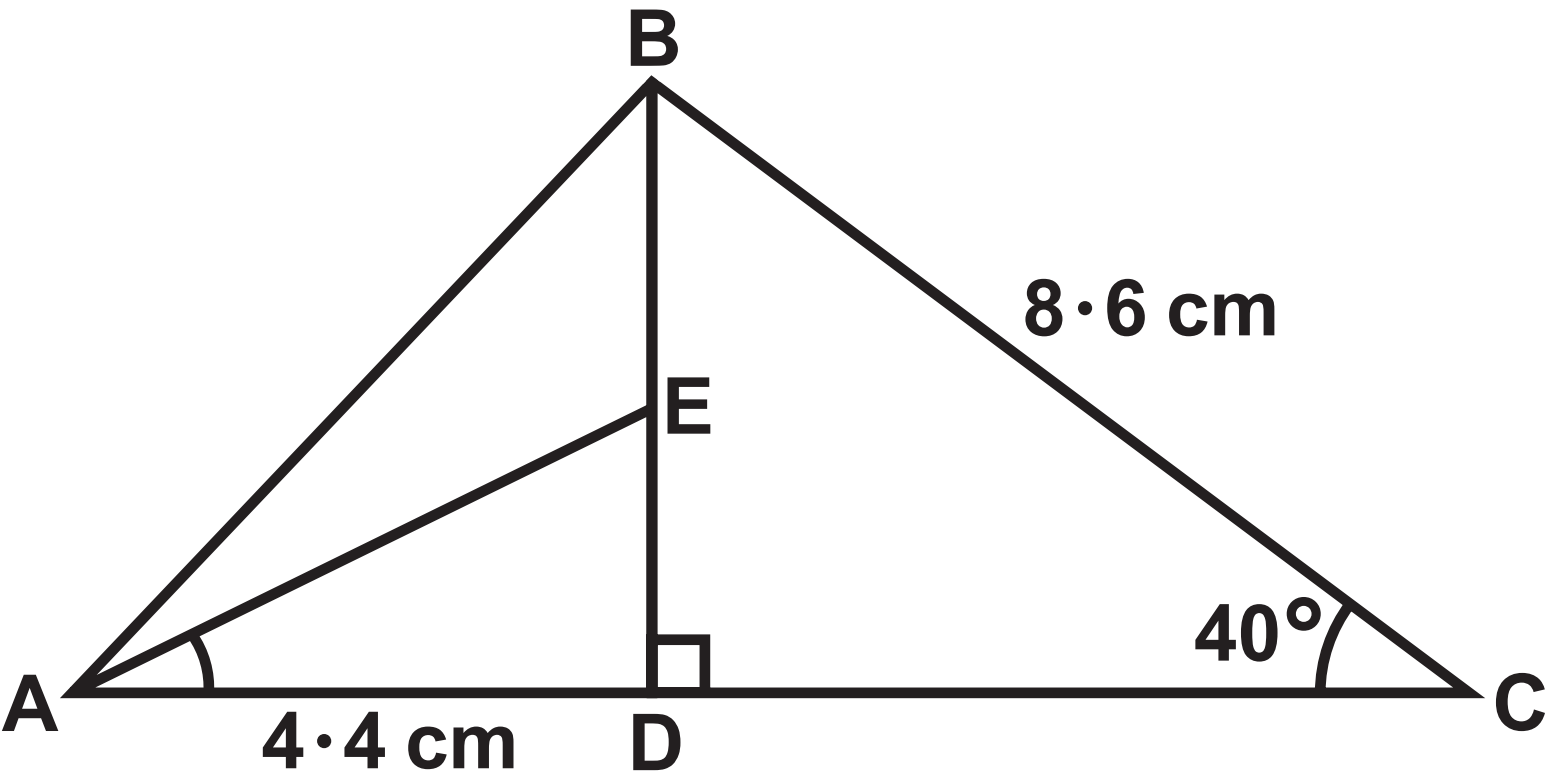
Question 9



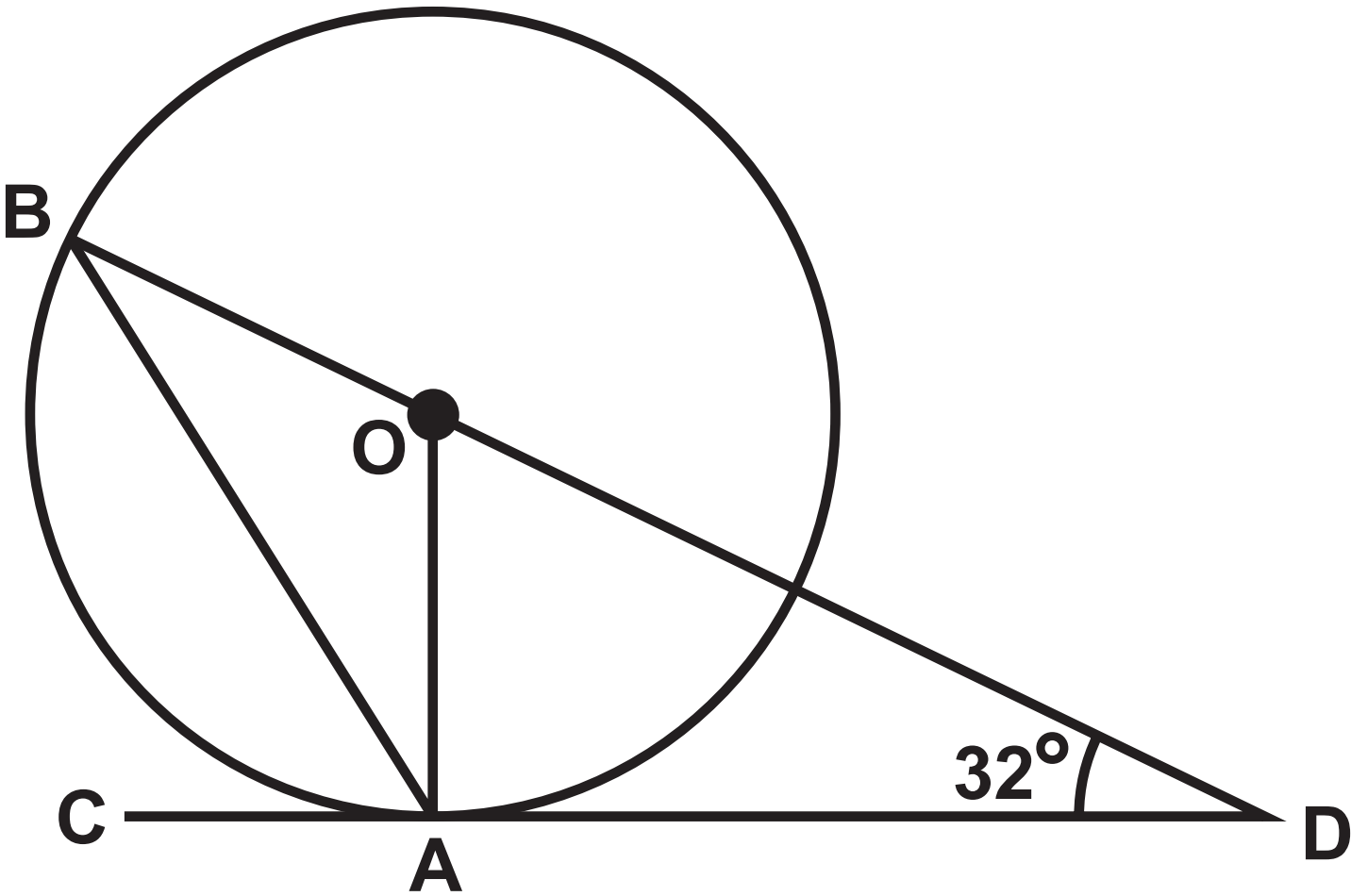
Question 11



Question 12

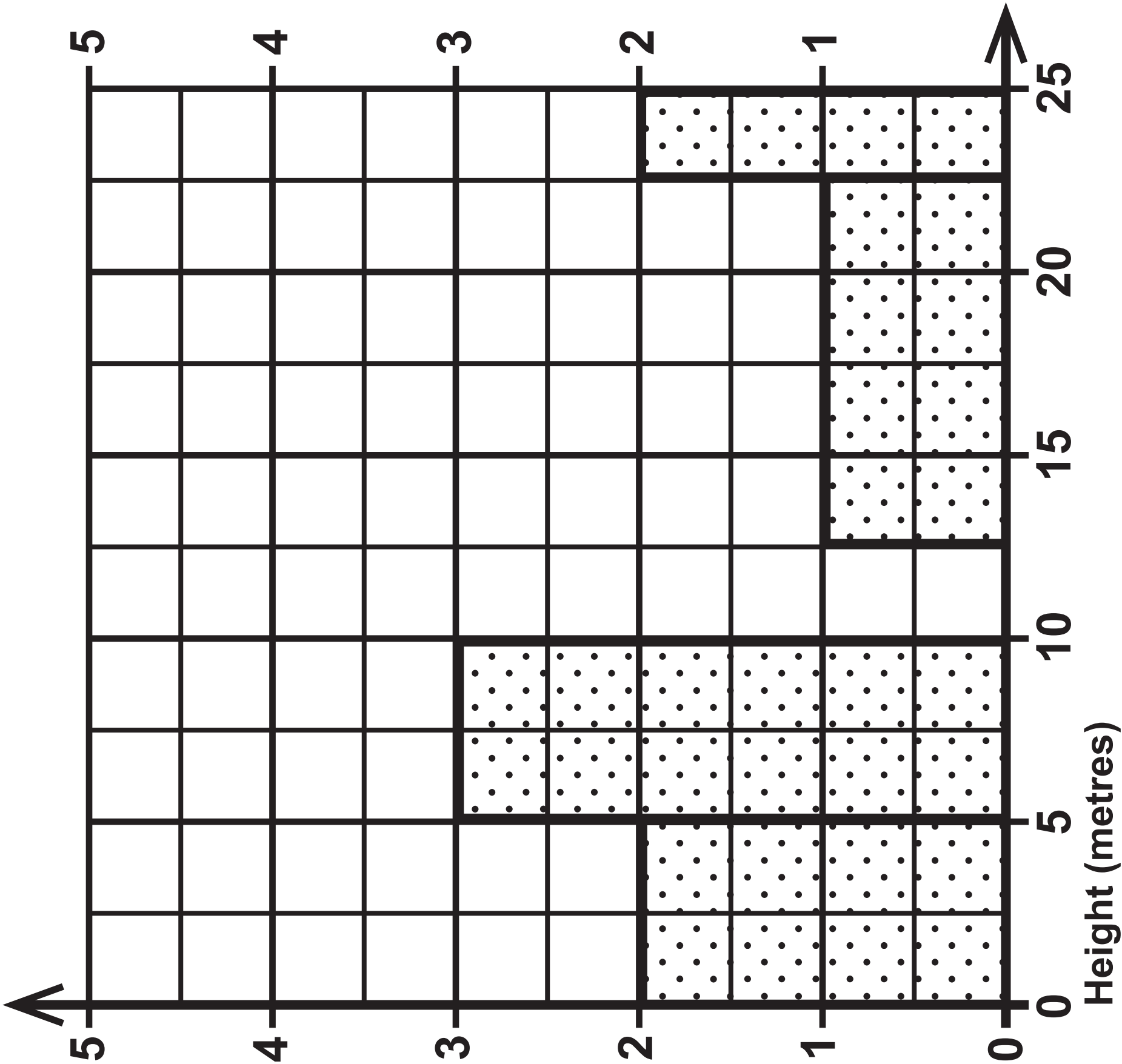


Question 17



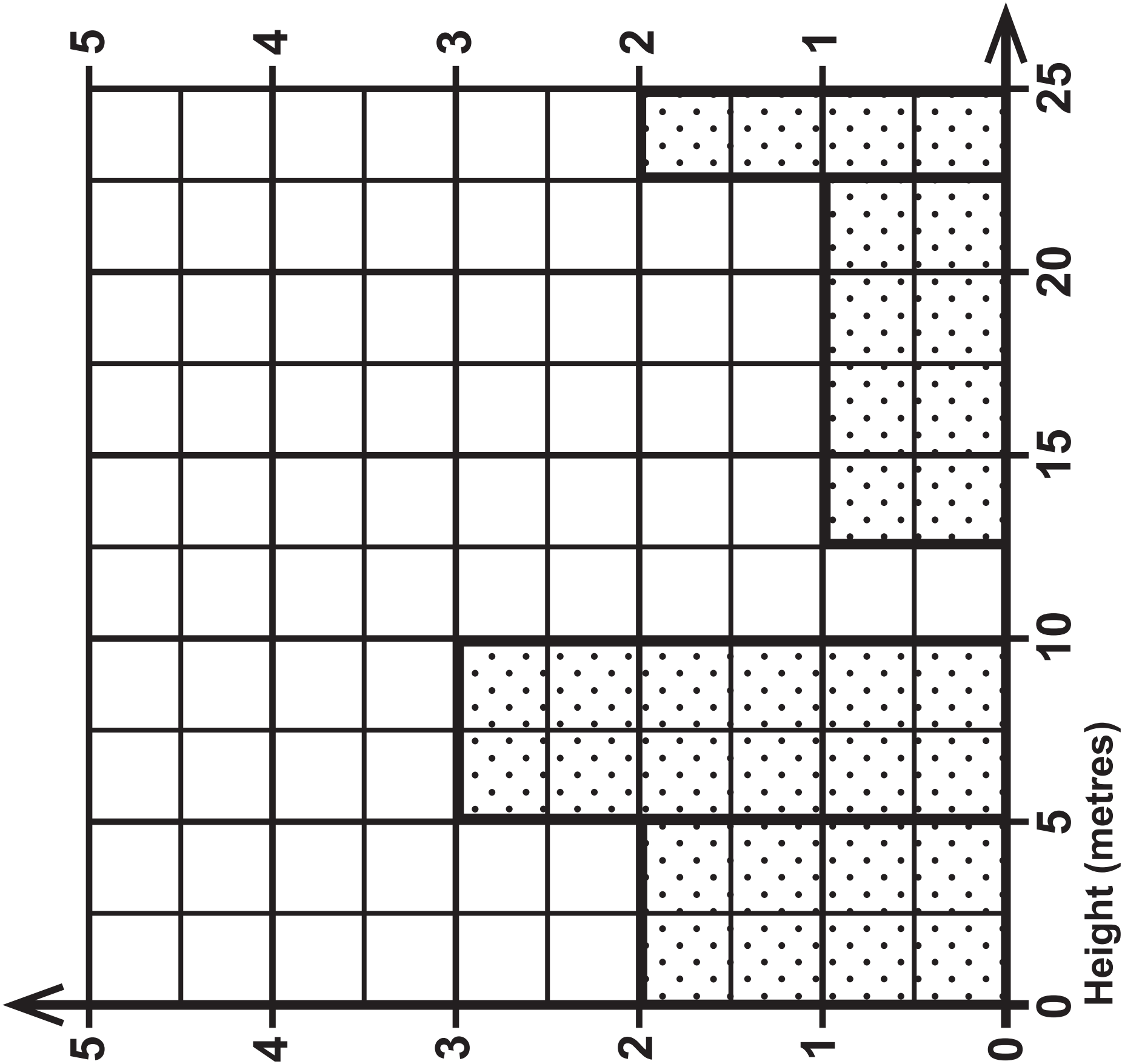
Question 18

Frequency density



Question 18

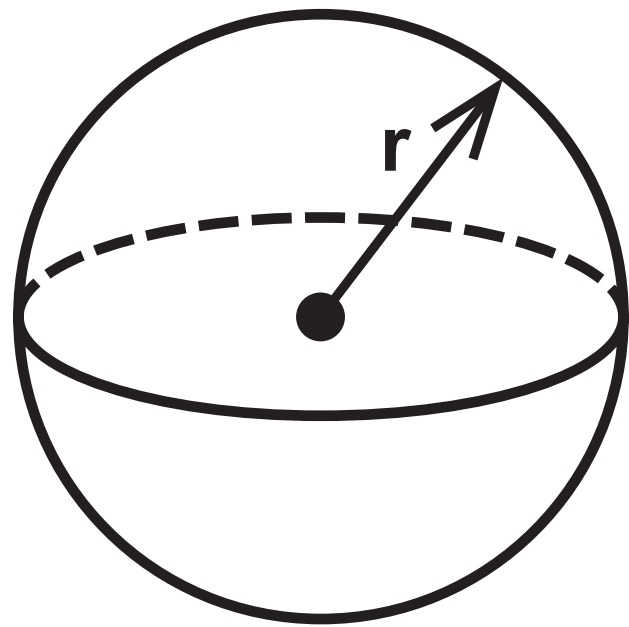
Frequency density



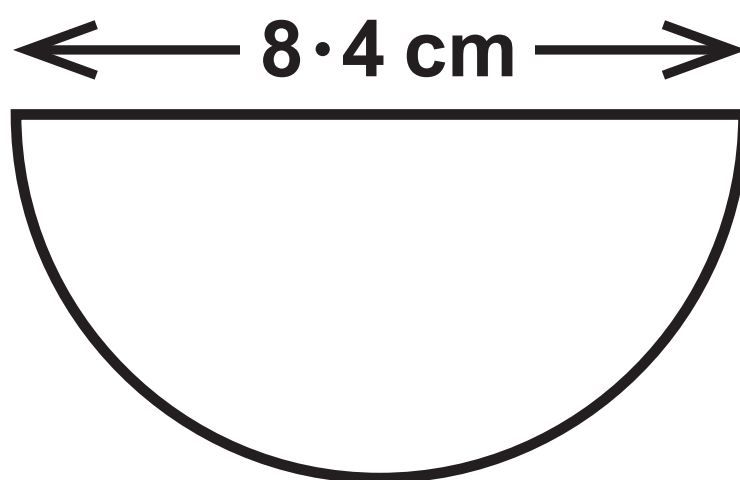
Question 19

Formula

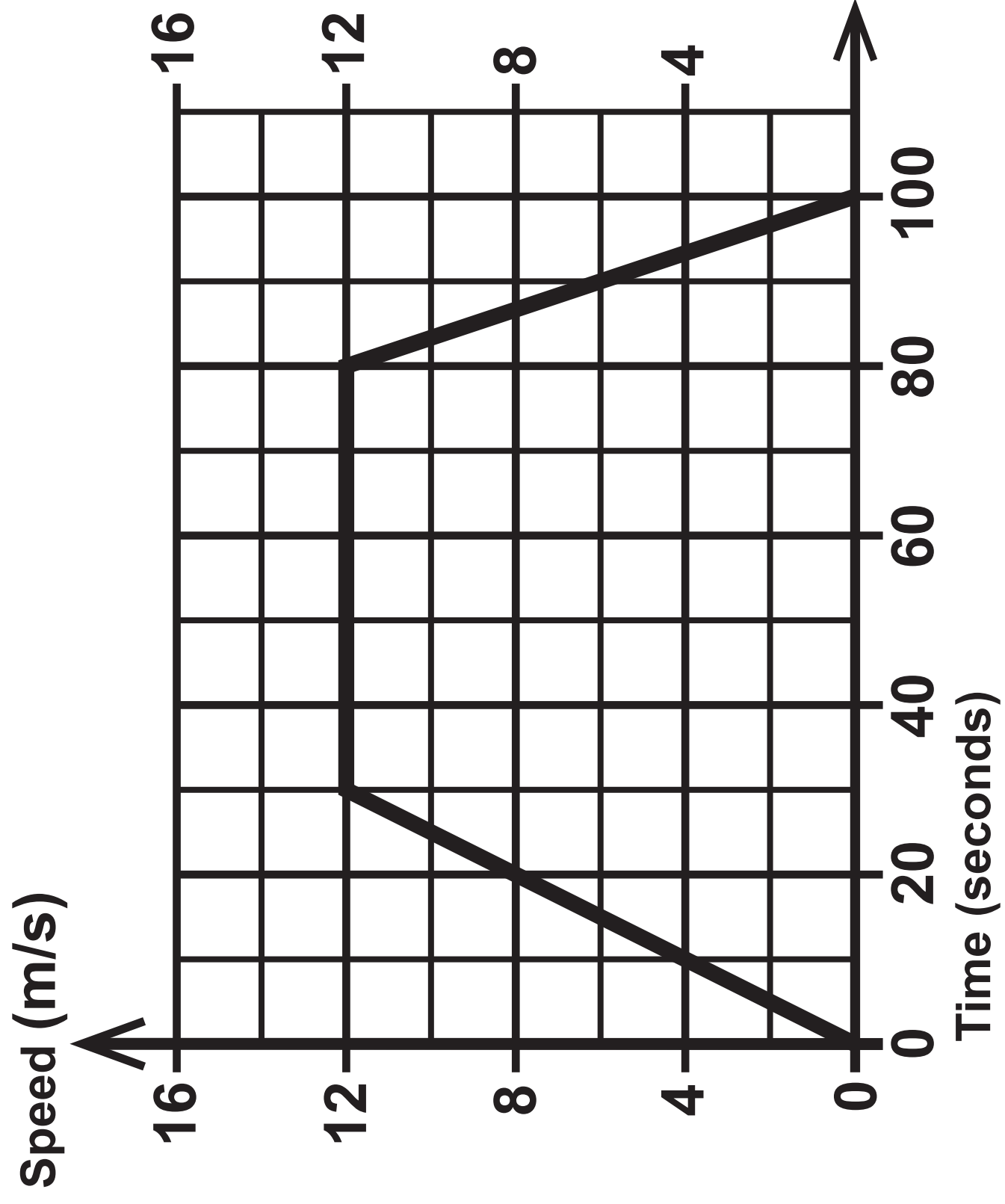
$$\text{Volume of sphere} = \frac{4}{3} \pi r^3$$



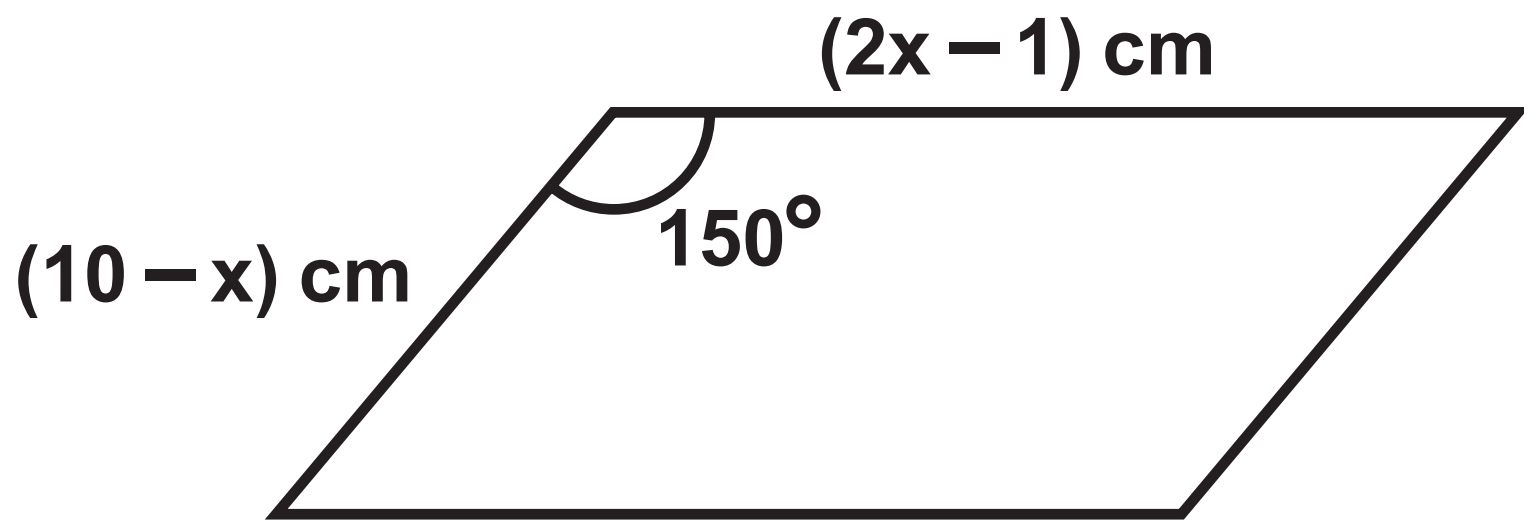
Hemisphere



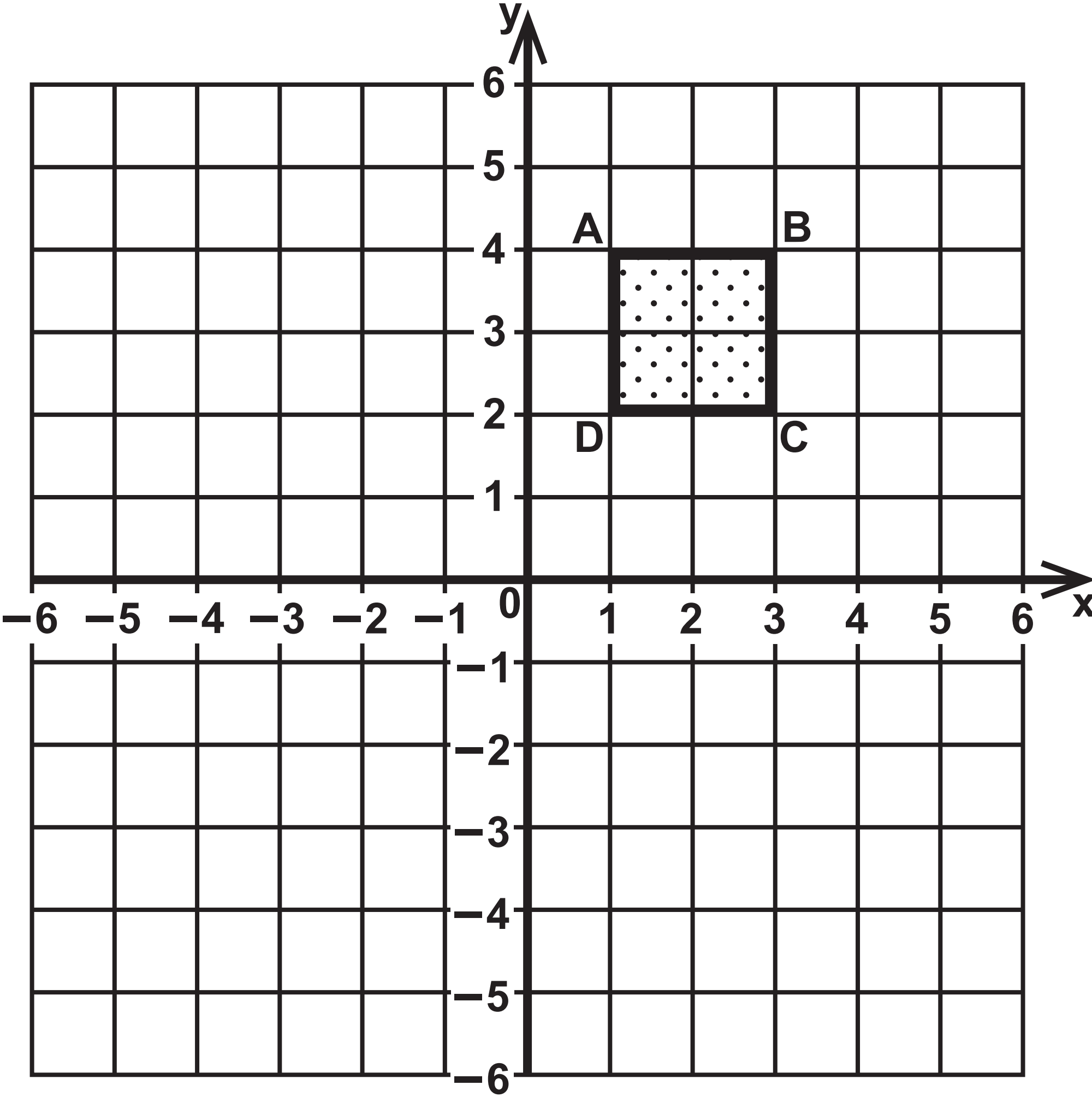
Question 21



Question 23



Question 24



Question 24

