

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

Mathematics  
PAPER 1 (Non-Calculator)  
Higher Tier

Friday 19 May 2023 – Morning

Diagram 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 diagrams in case you need them.

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

Contents

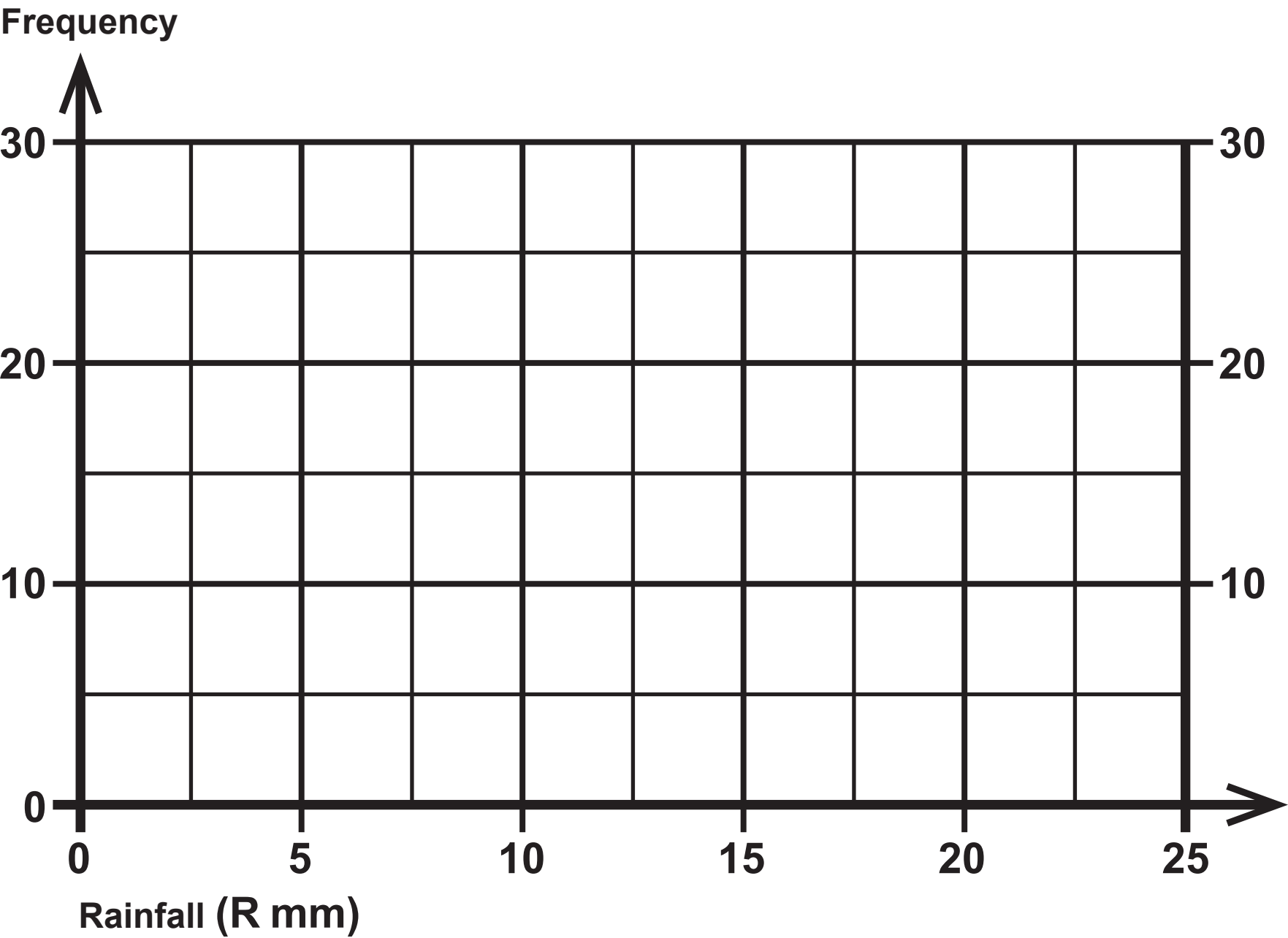
Page

|    |             |
|----|-------------|
| 4  | Question 4  |
| 5  | Question 5  |
| 6  | Question 6  |
| 7  | Question 8  |
| 8  | Question 9  |
| 9  | Question 10 |
| 10 | Question 12 |
| 11 | Question 16 |
| 12 | Question 21 |
| 13 | Question 22 |

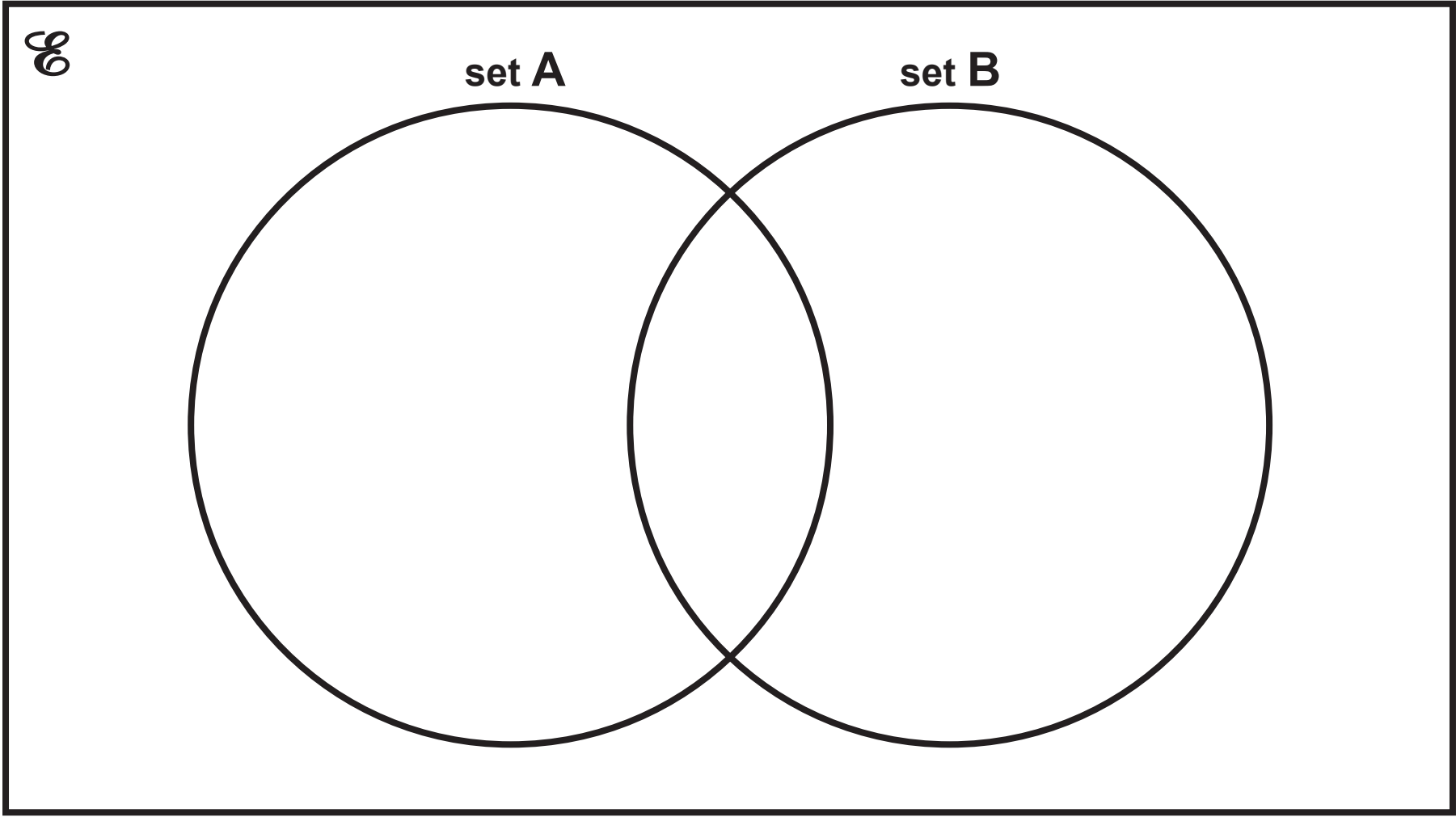
Spare Copies

|    |            |
|----|------------|
| 14 | Question 4 |
| 15 | Question 5 |

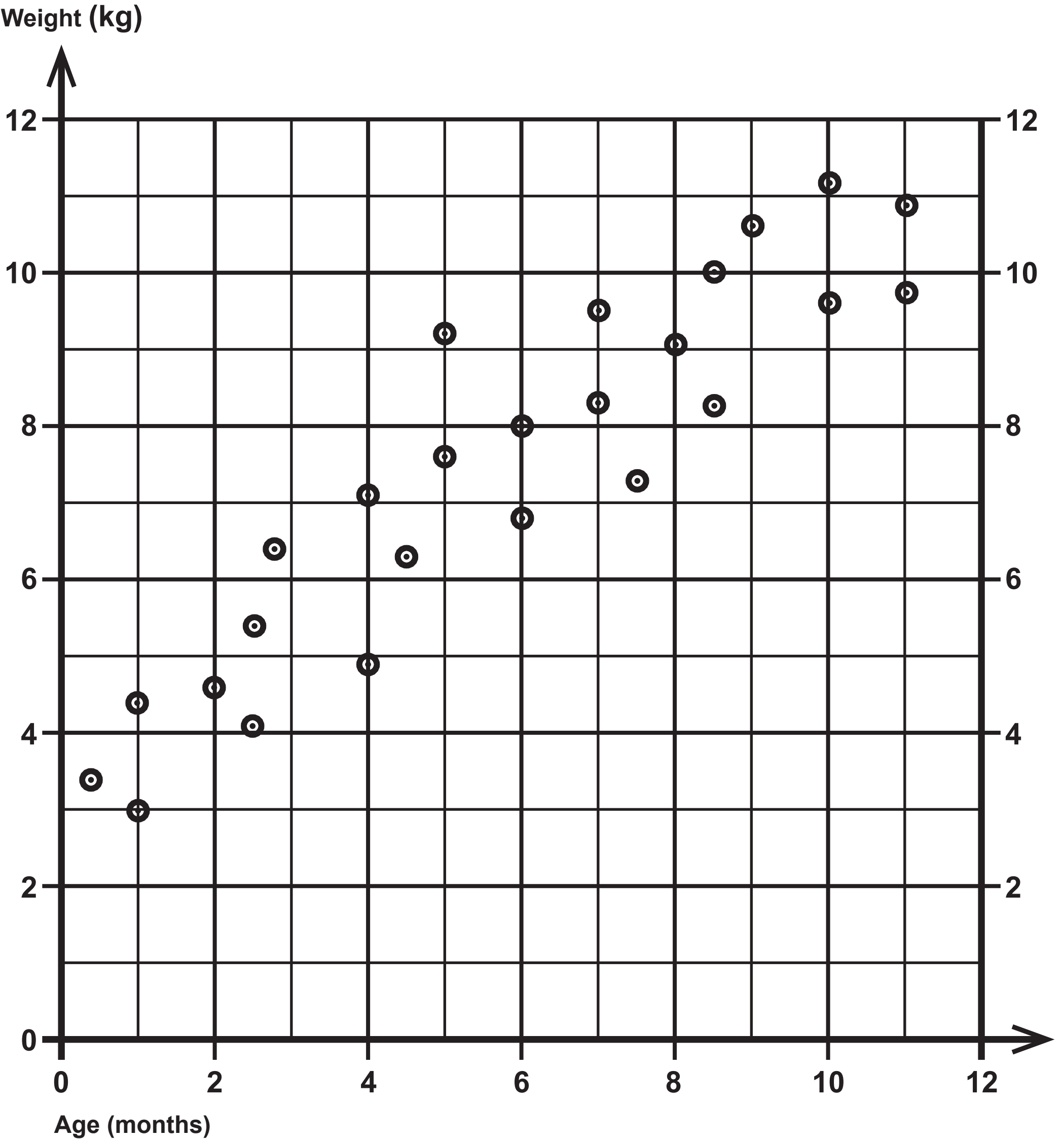
Question 4



Question 5

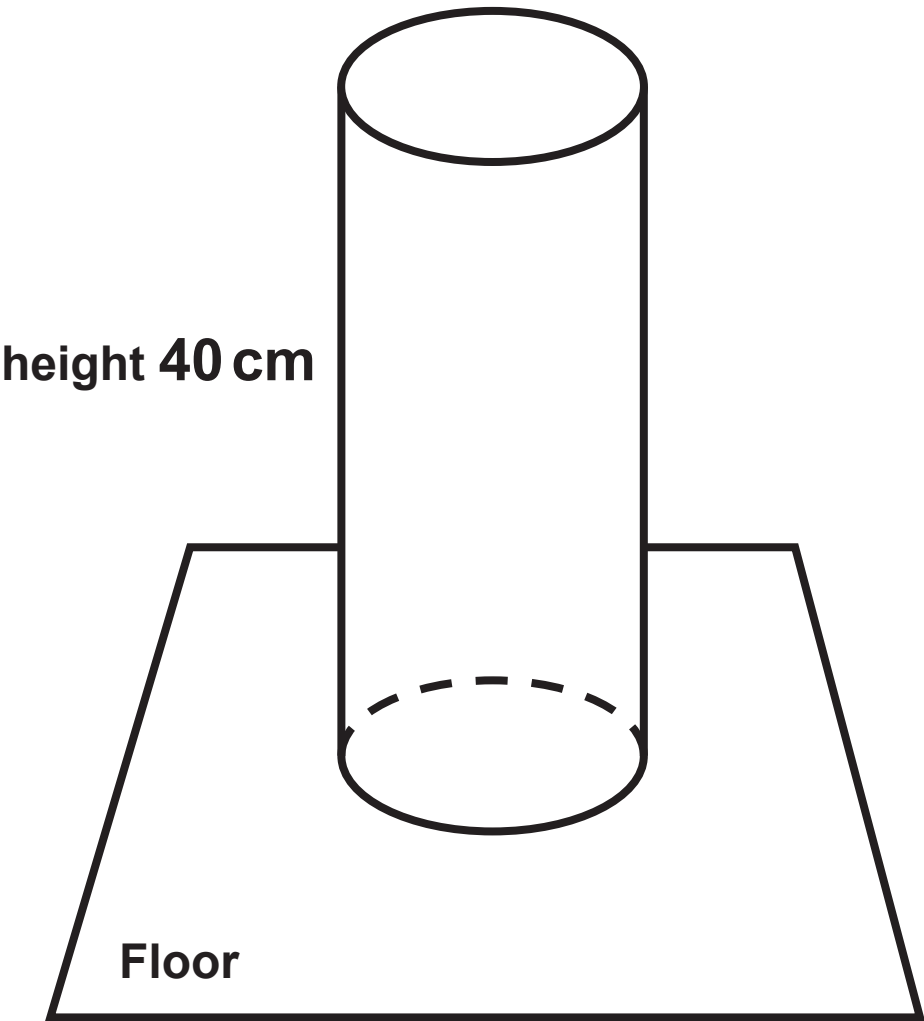


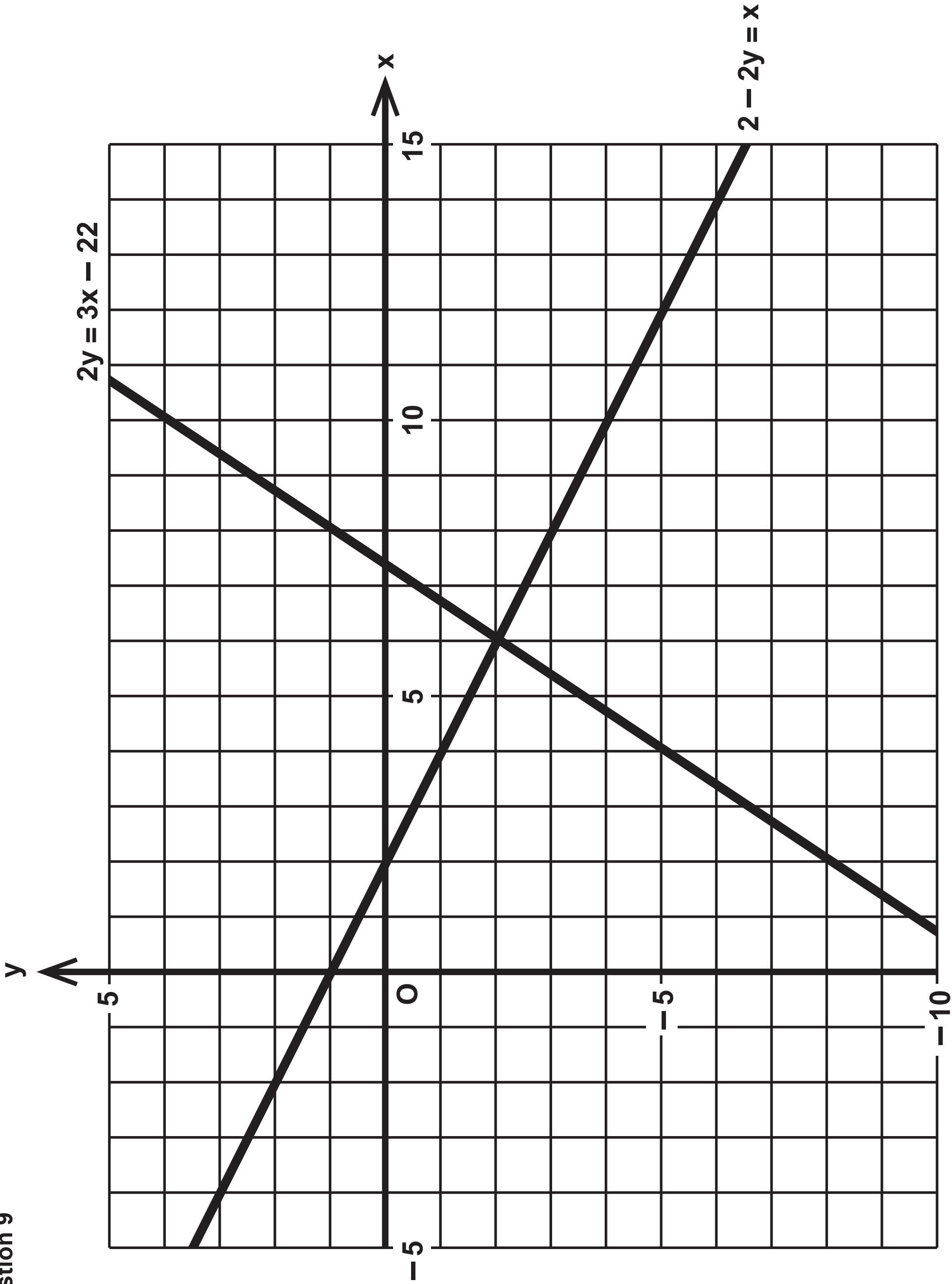
Question 6



Question 8

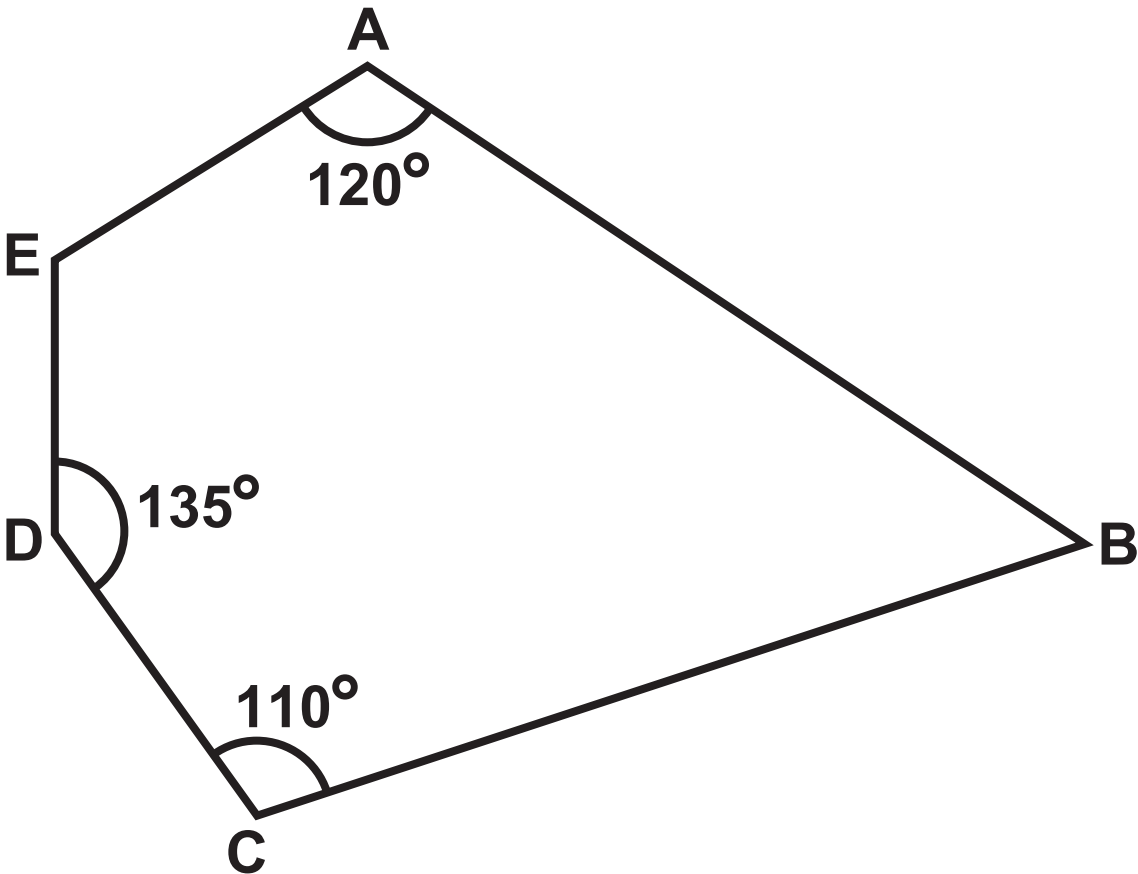
pressure =  $\frac{\text{force}}{\text{area}}$



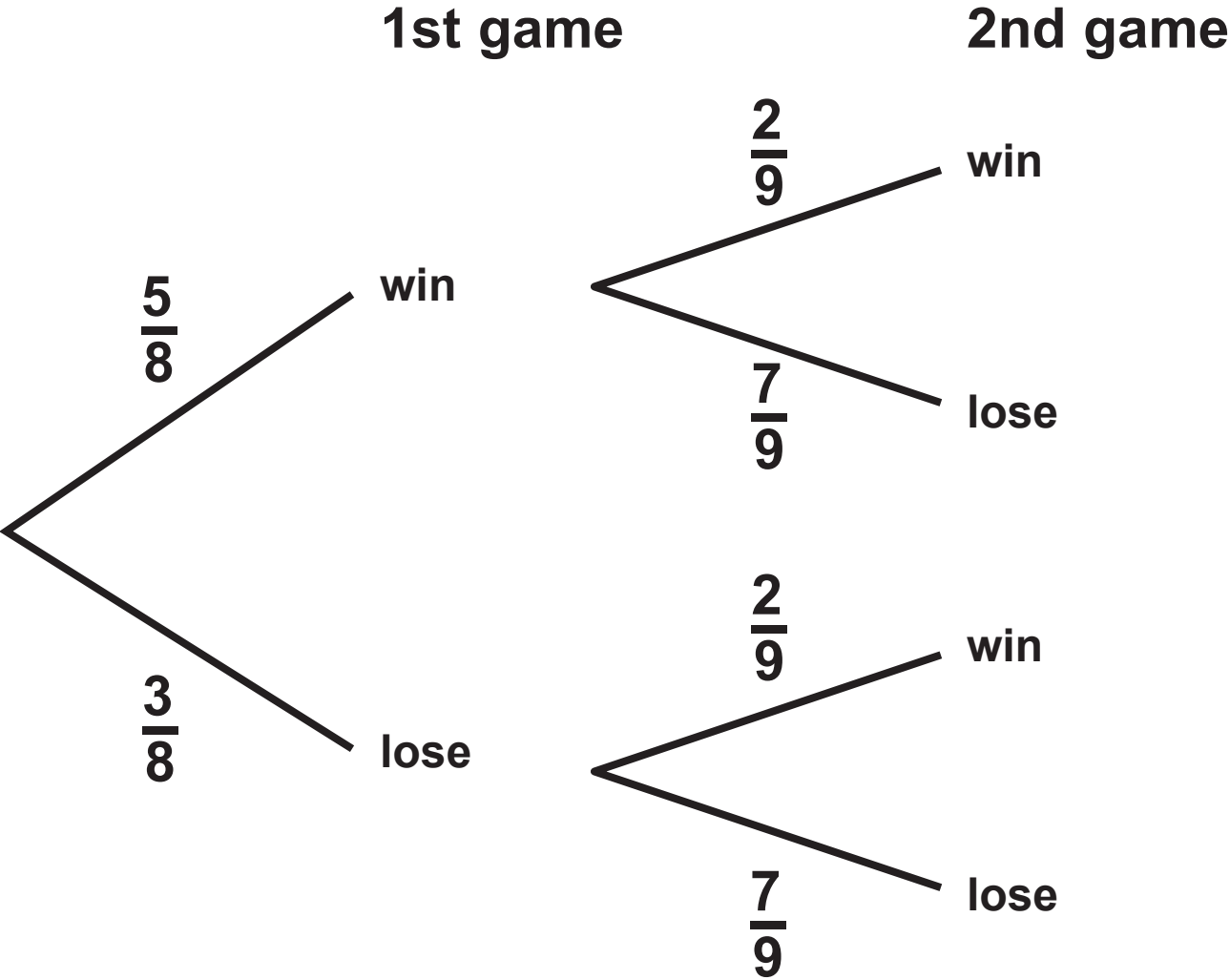




Question 10

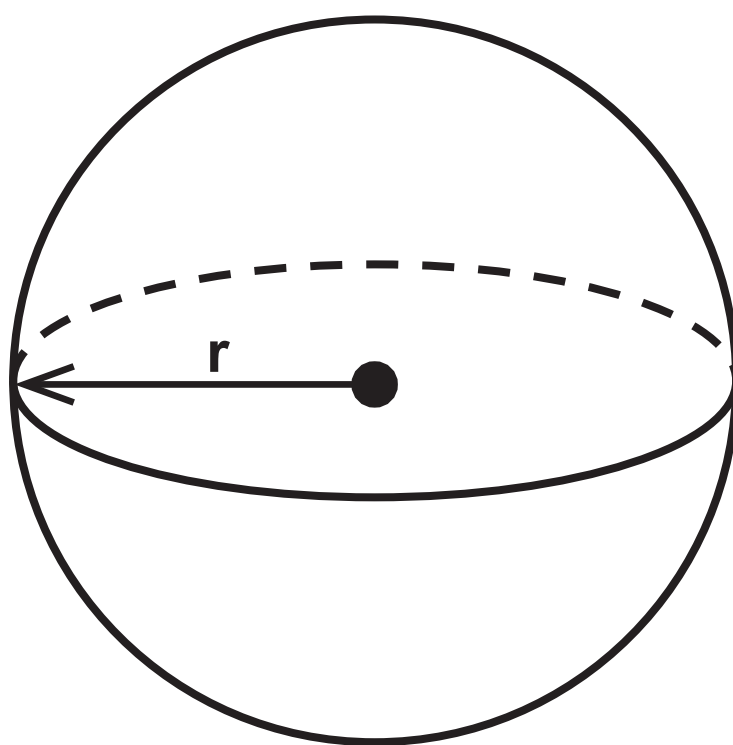


Question 12

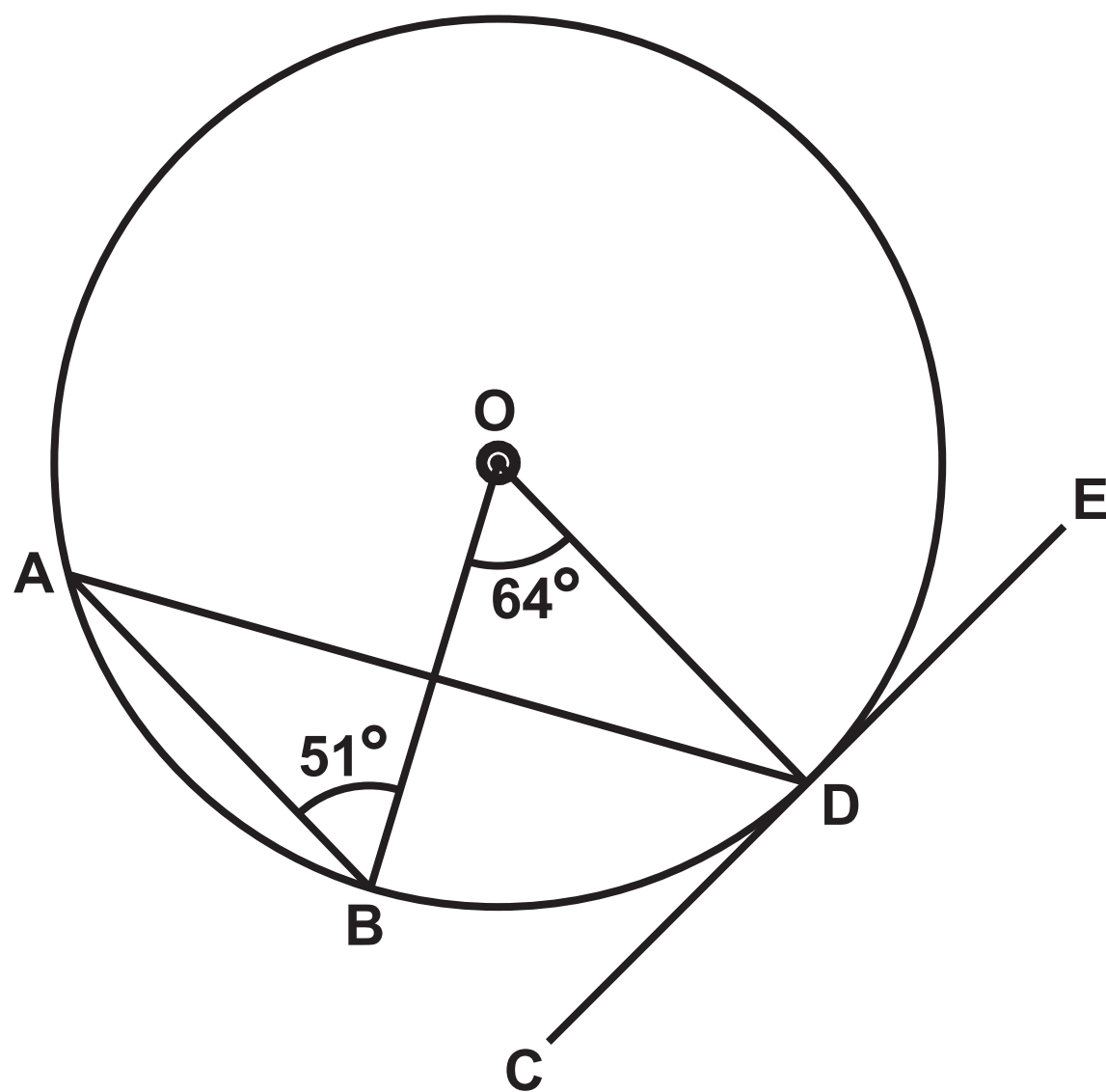


## Question 16

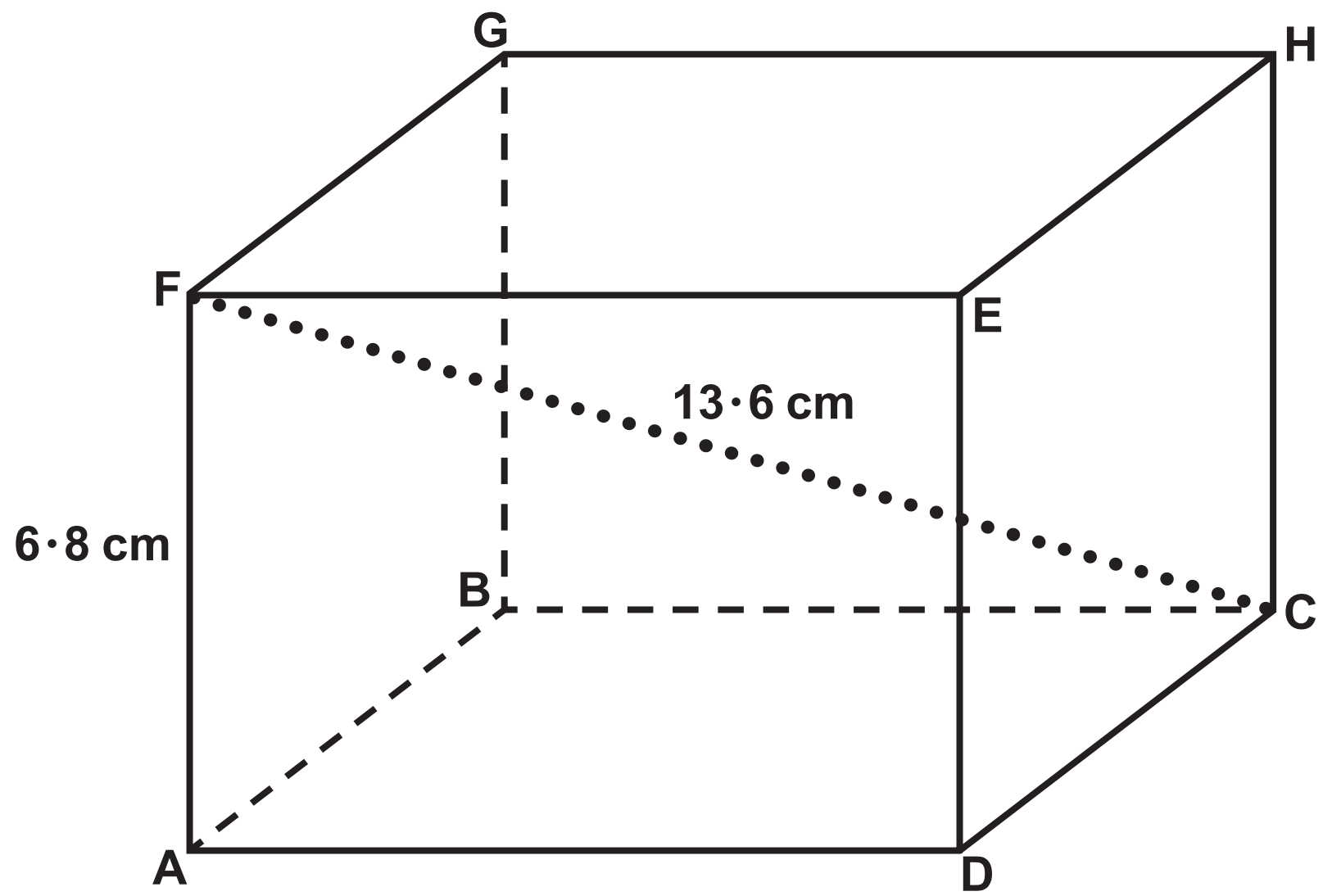
Surface area of sphere =  $4\pi r^2$



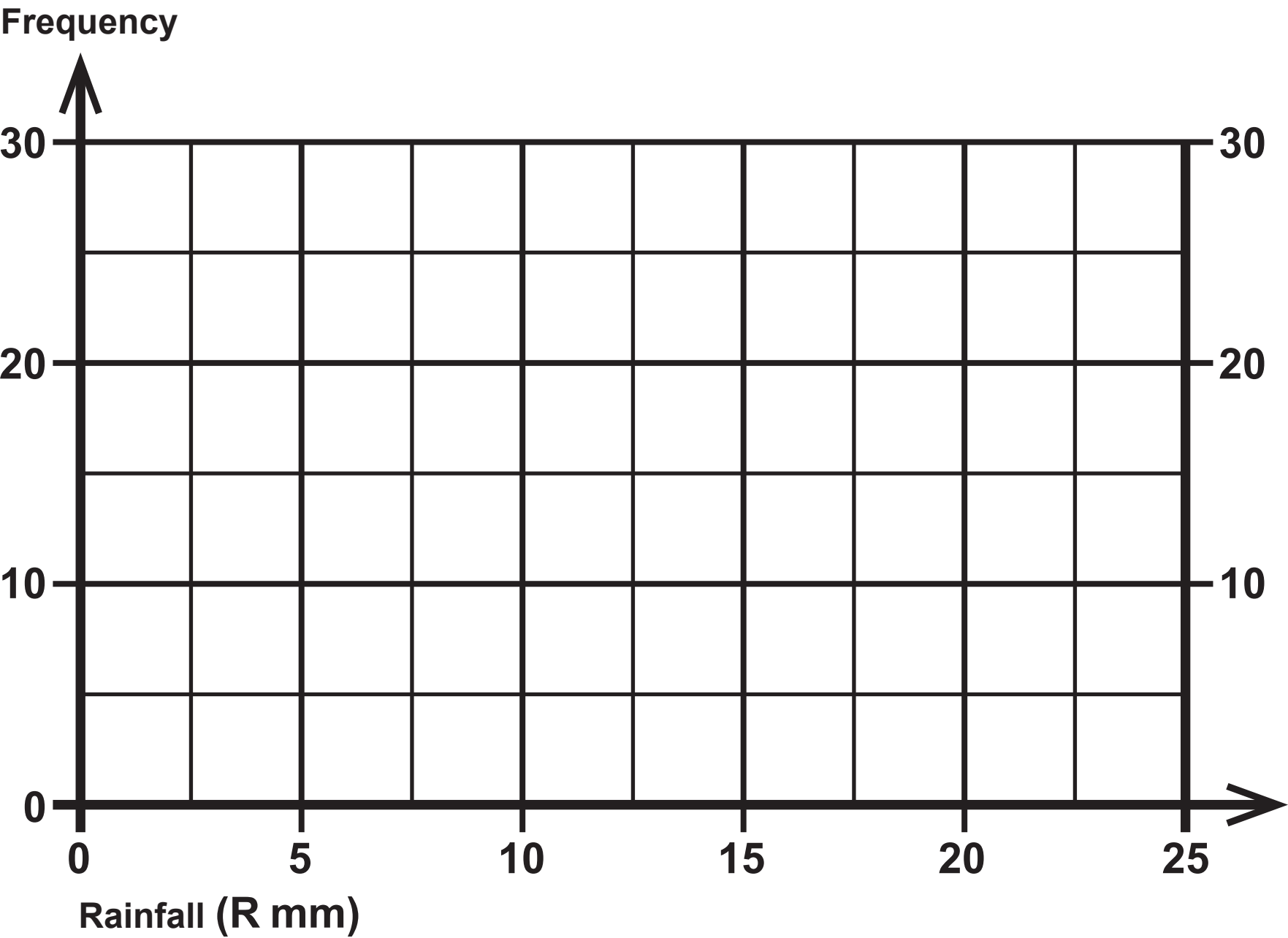
## Question 21



## Question 22



Question 4



Question 5

