

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

Mathematics
PAPER 1
(Non-Calculator)
Higher Tier

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 5
5	Question 7
6	Question 9(b)
7	Question 9(b) (Spare copy)
8	Question 10
9	Question 11
10	Question 13
11	Question 13 (Spare copy)
12	Question 14
13	Question 14 (Spare copy)
14	Question 15
15	Question 18
16	Question 21
17	Question 22
18	Question 24(a)
19	Question 24(b)

Question 5

Car model	Number of people
A	23
B	15
C	30
D	12

Question 7

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

Diagram 1

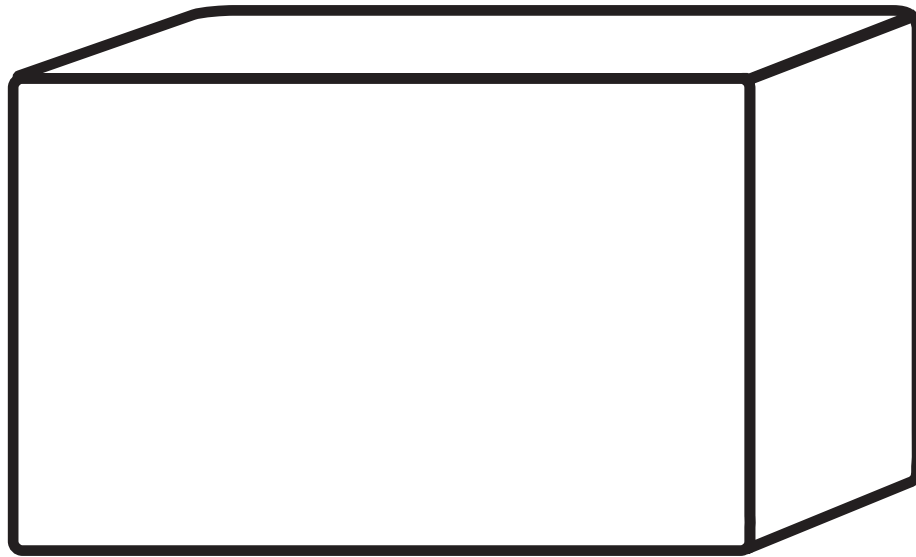
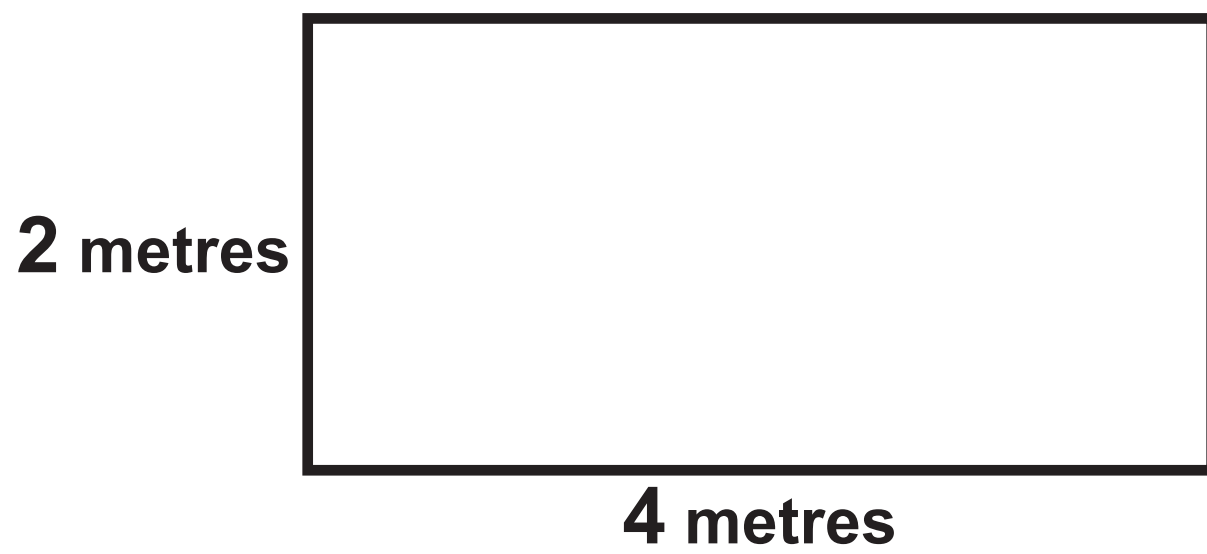
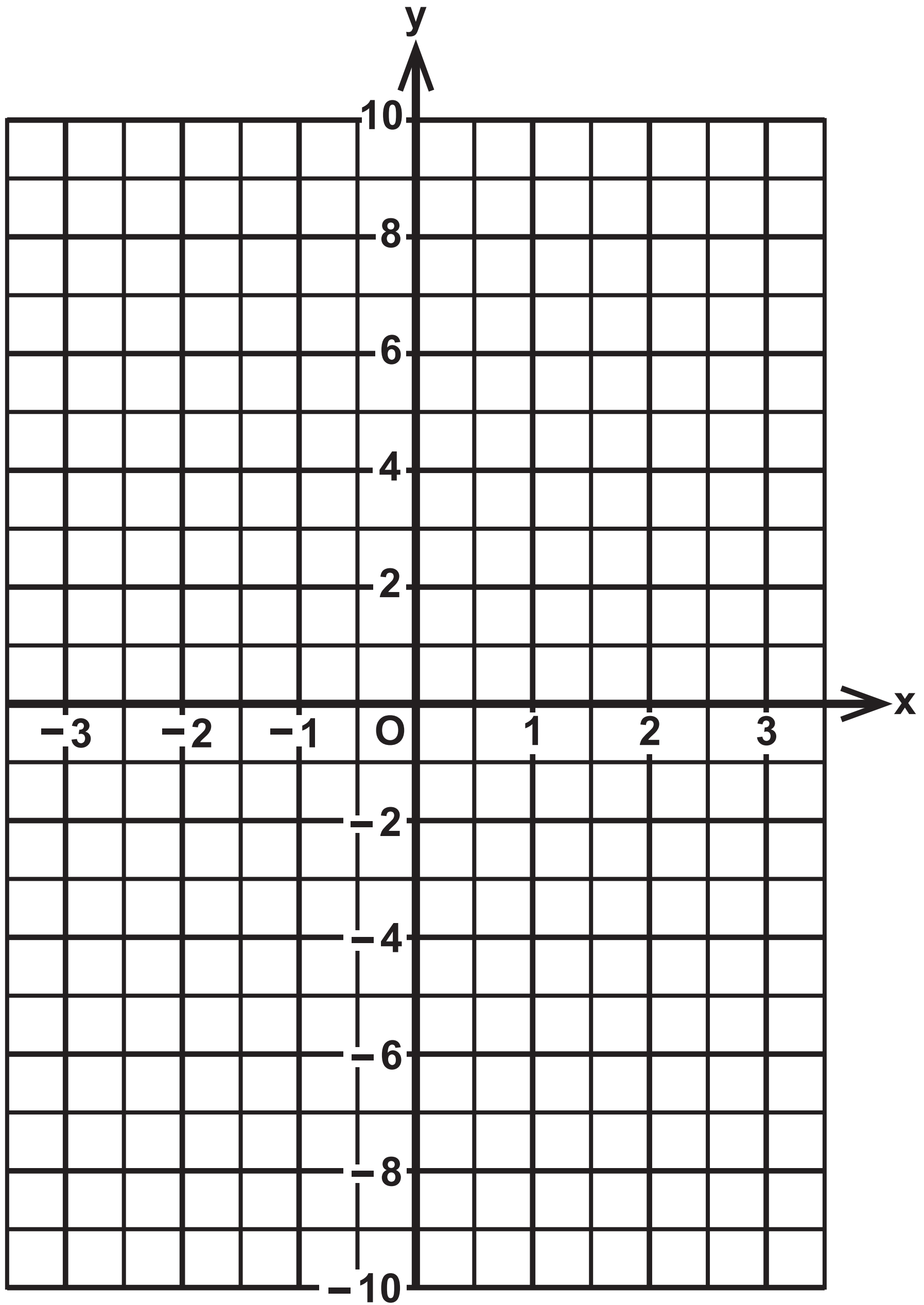


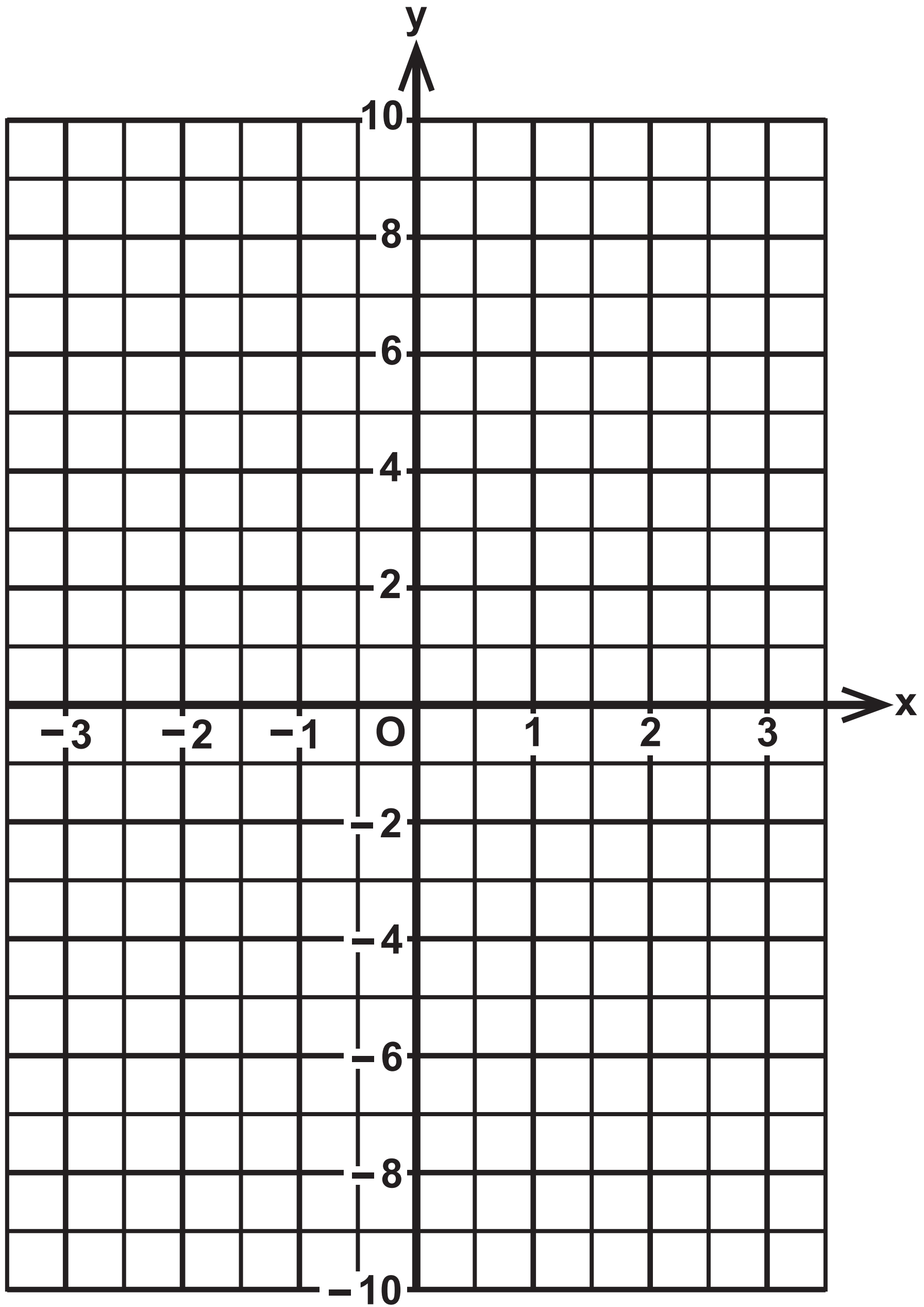
Diagram 2
View of base



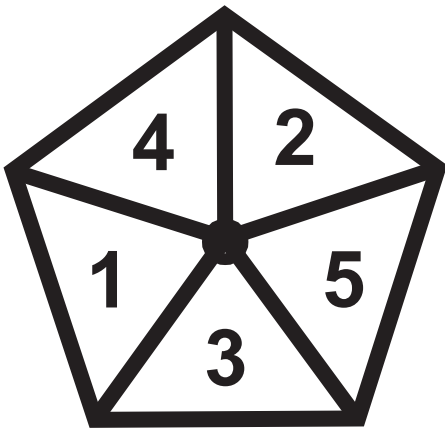
Question 9(b)



Question 9(b)

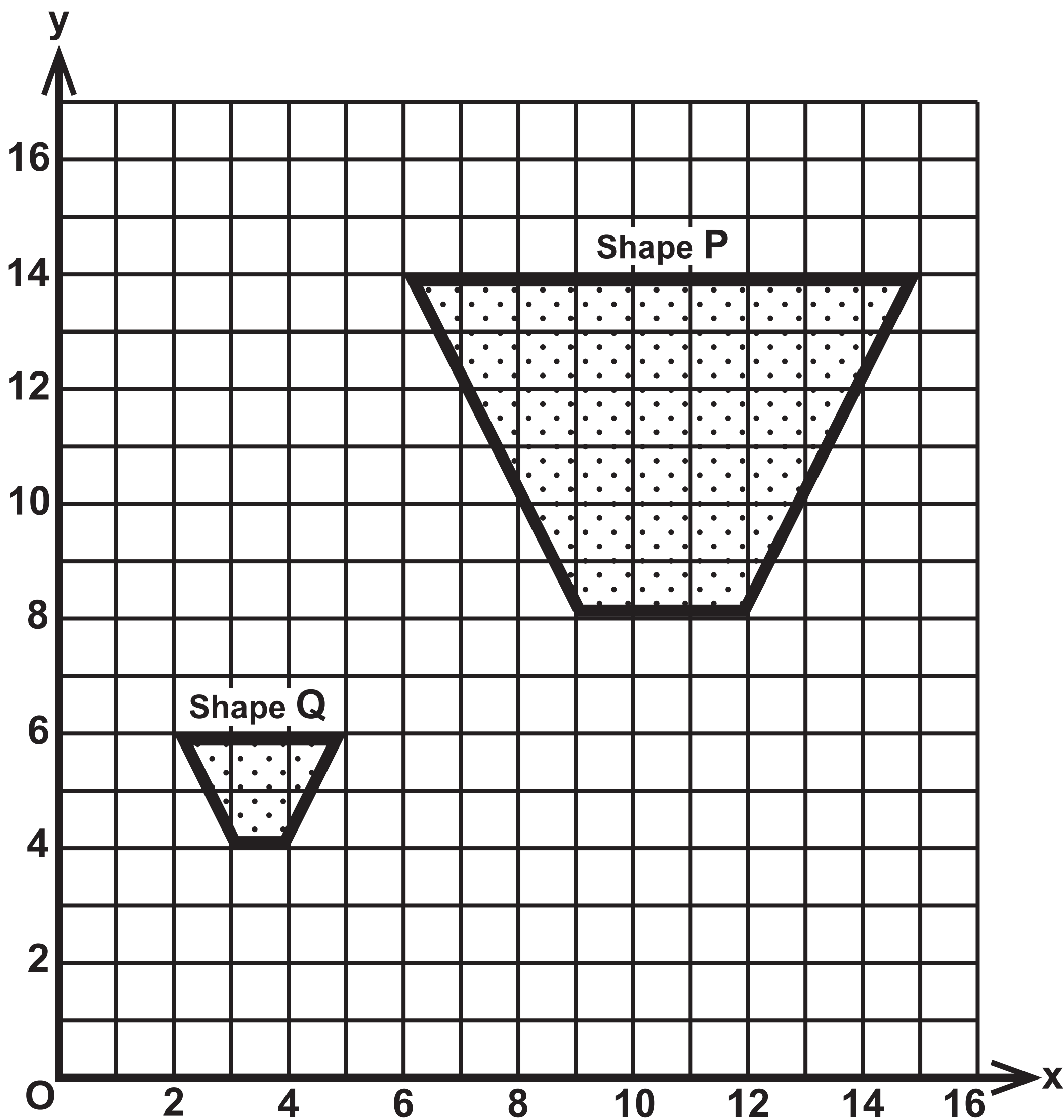


Question 10



Score	Frequency
1	6
2	8
3	9
4	7
5	10

Question 11



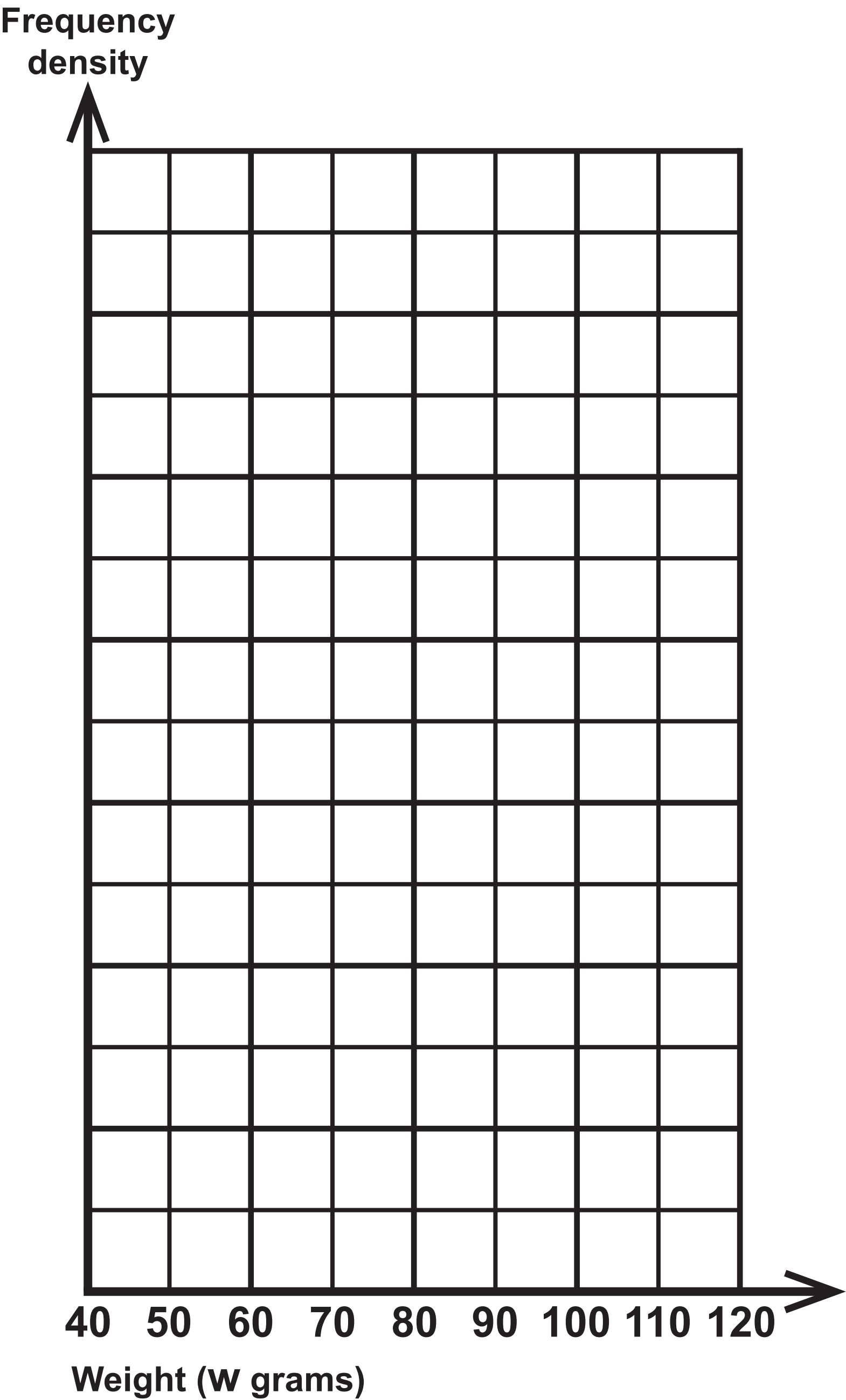
Question 13

t	p
100	1
25	
	5
2	

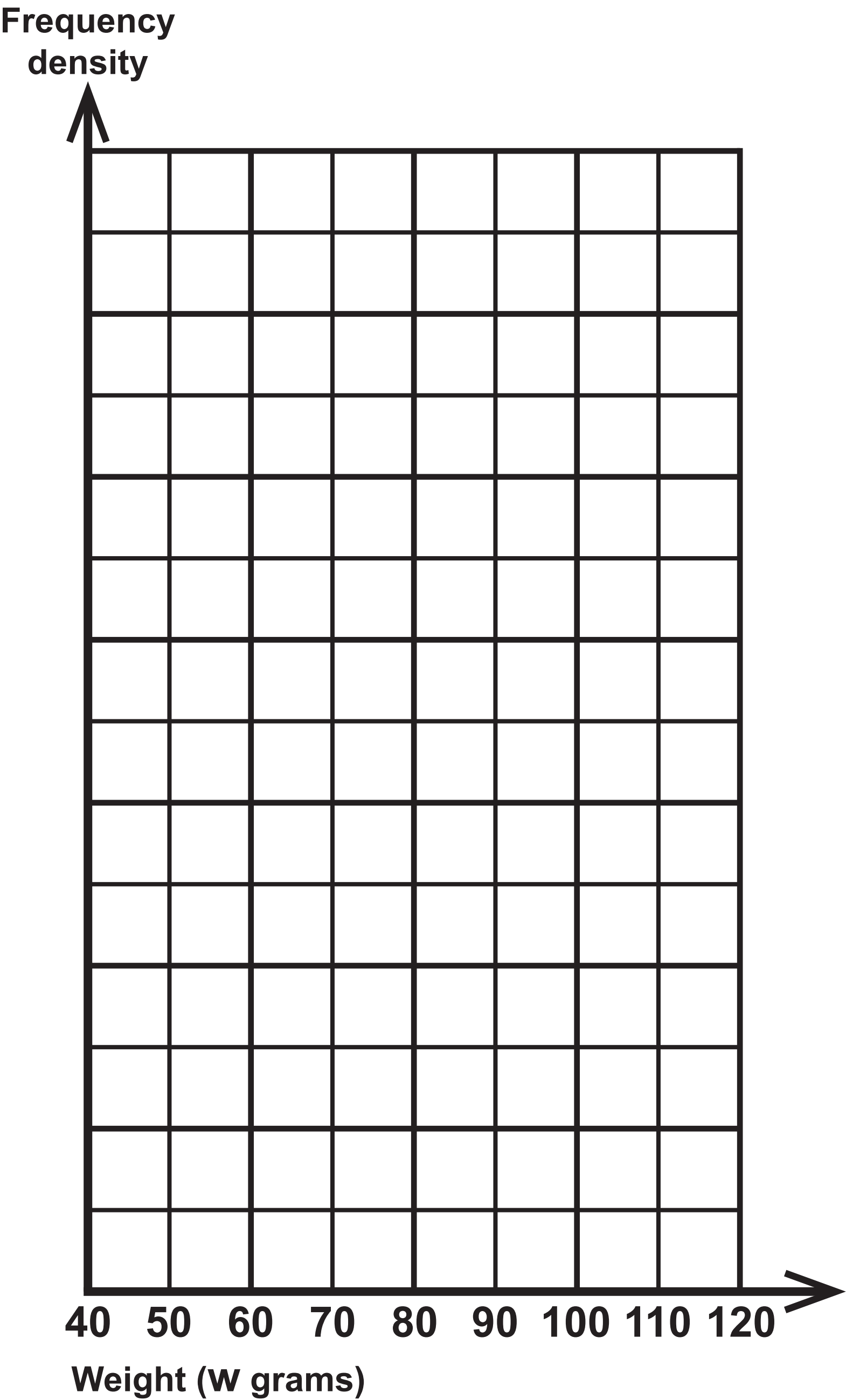
Question 13

t	p
100	1
25	
	5
2	

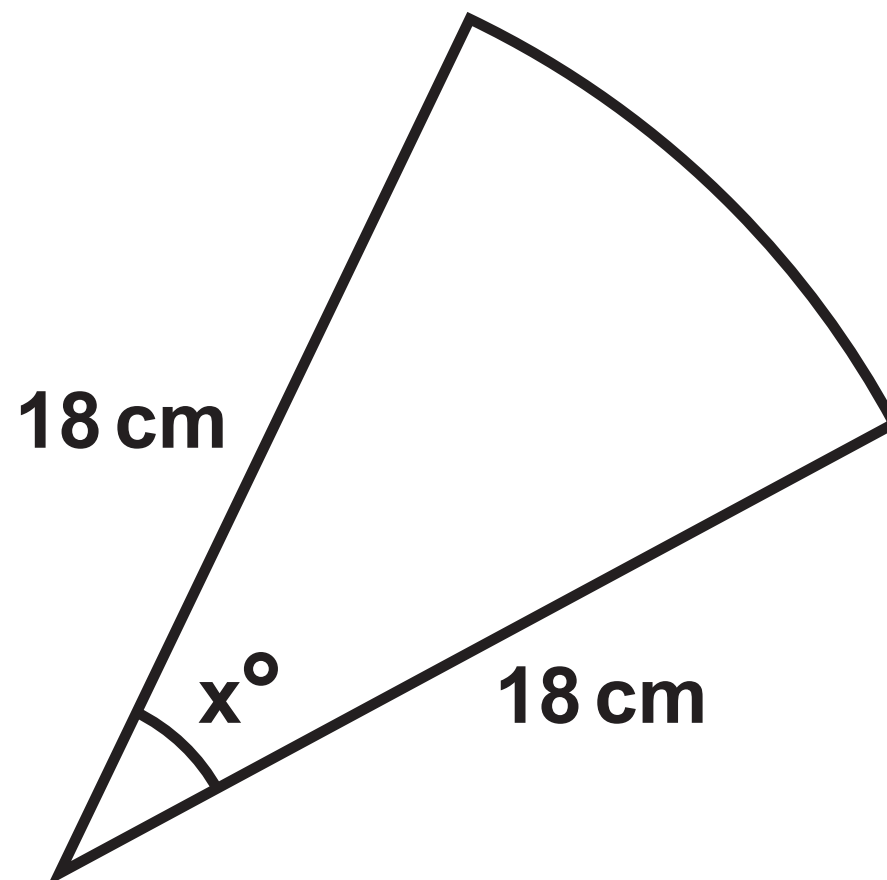
Question 14



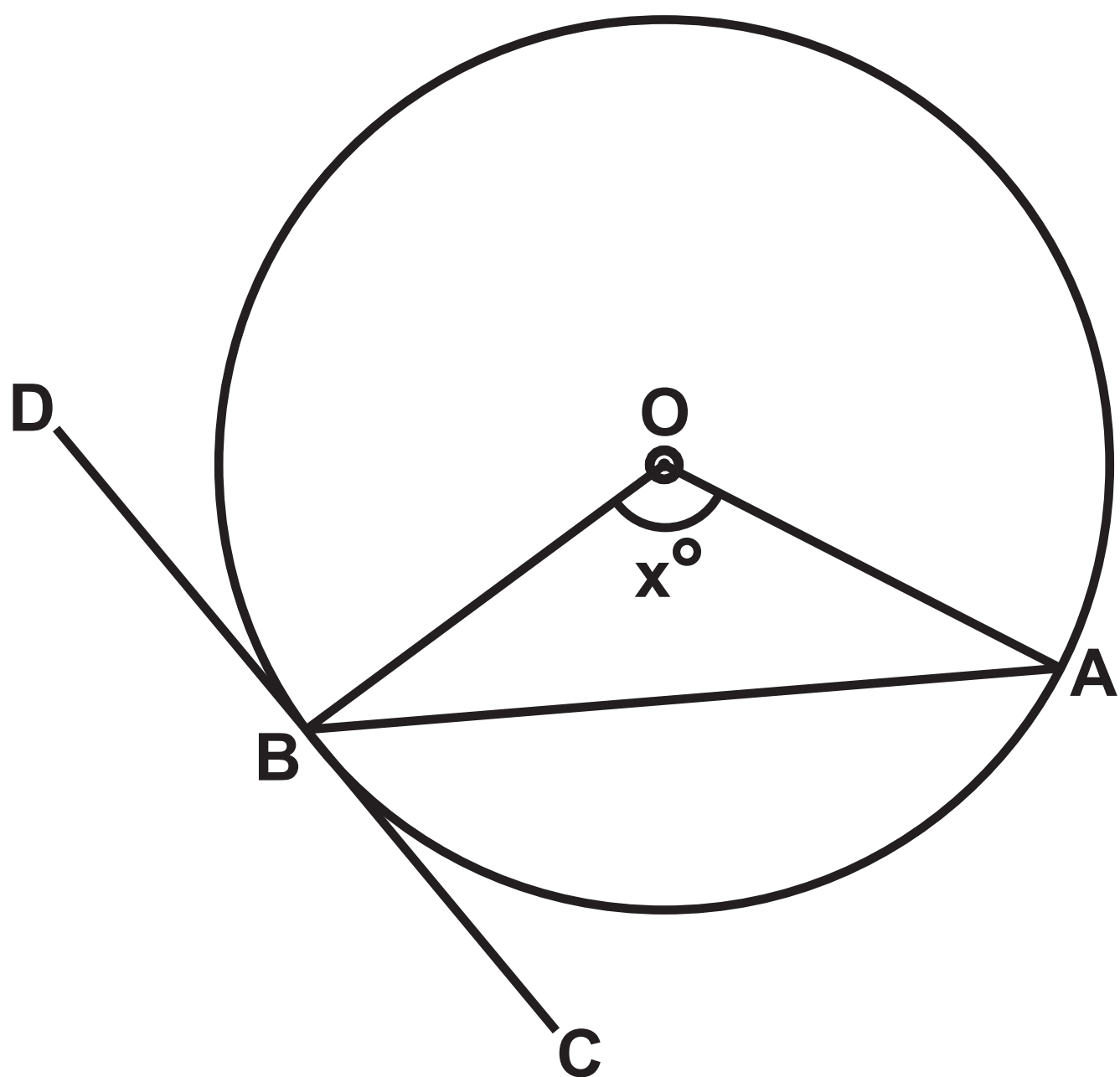
Question 14



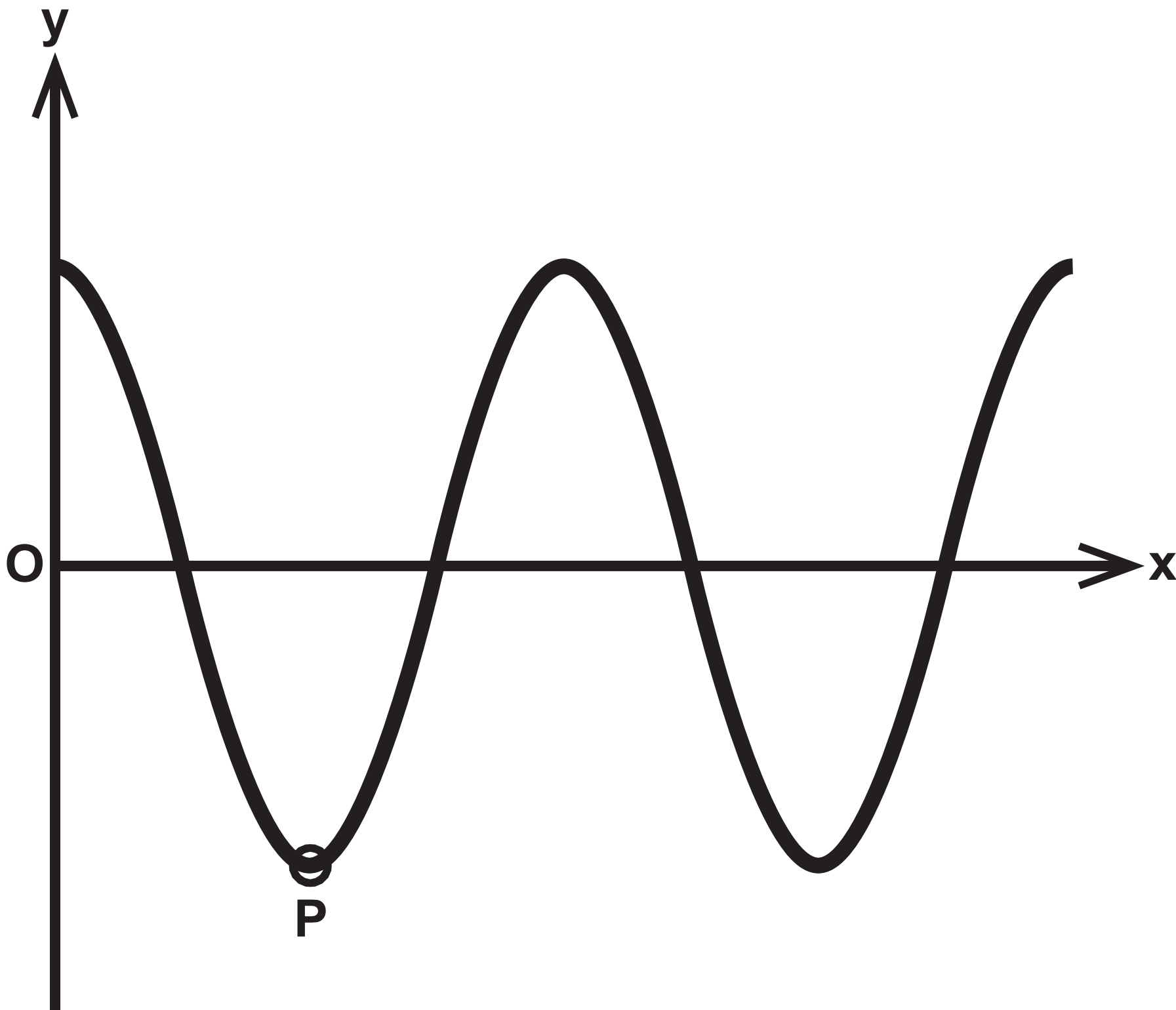
Question 15



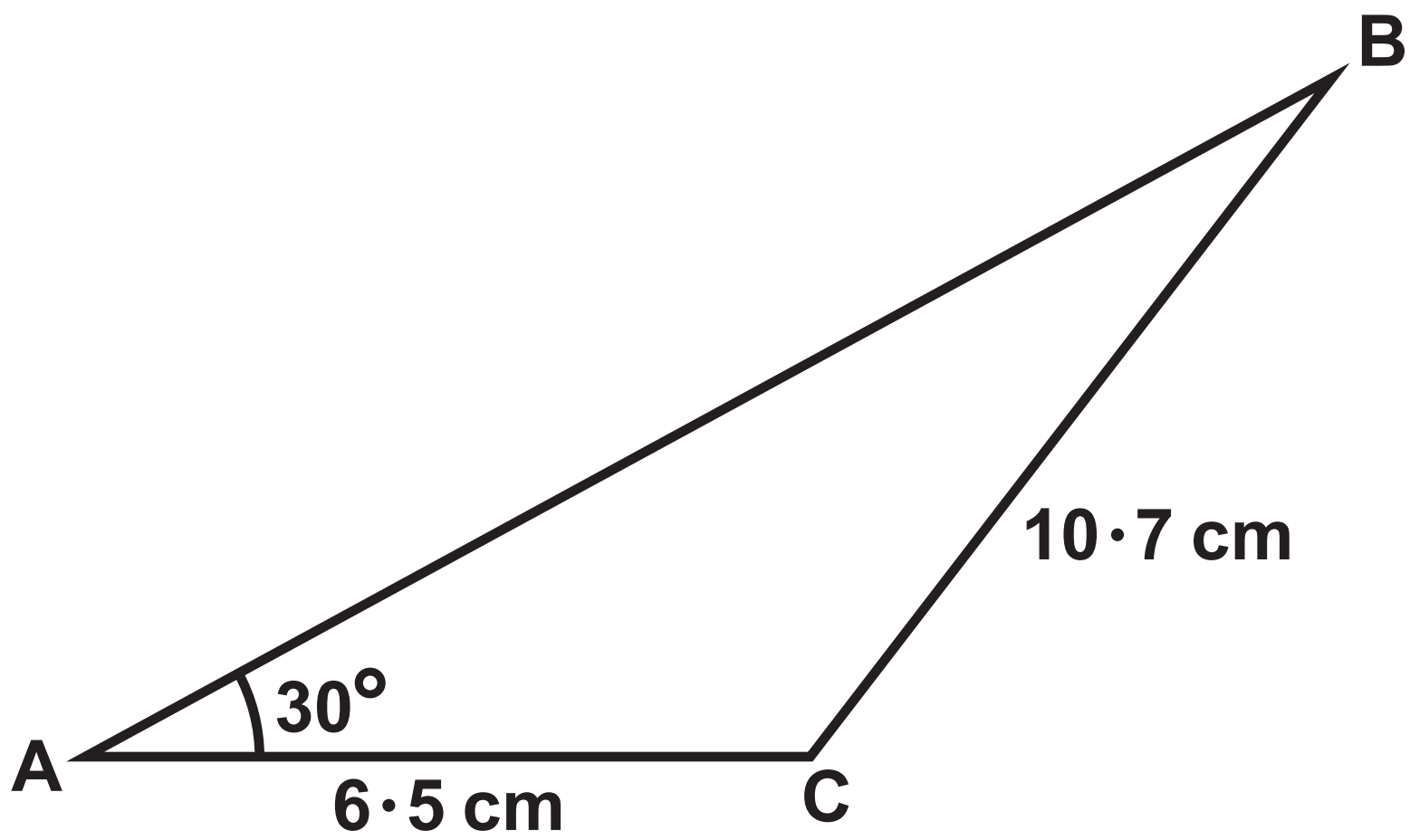
Question 18



Question 21



Question 22



Question 24(a)

Diagram 1

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

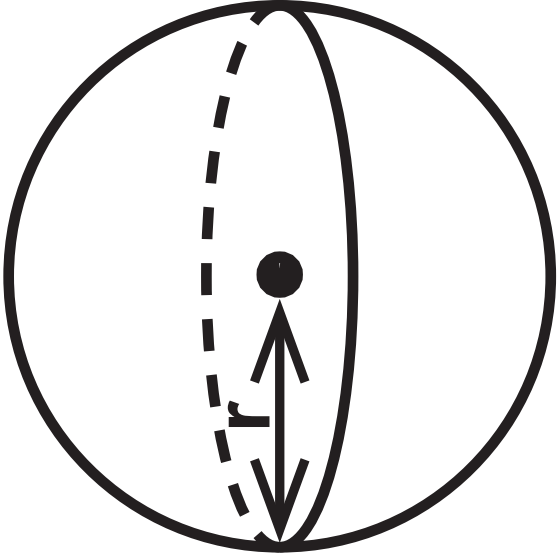


Diagram 2

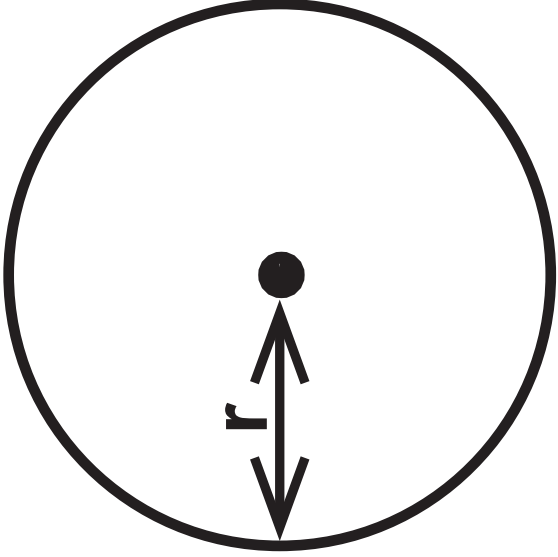


Diagram 3

Volume of cone = $\frac{1}{3}\pi r^2 h$

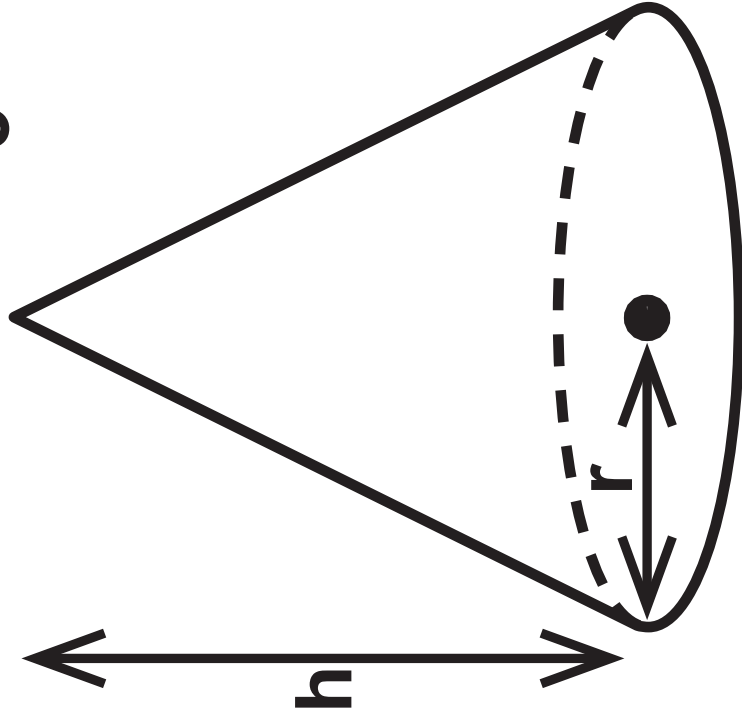


Diagram 4

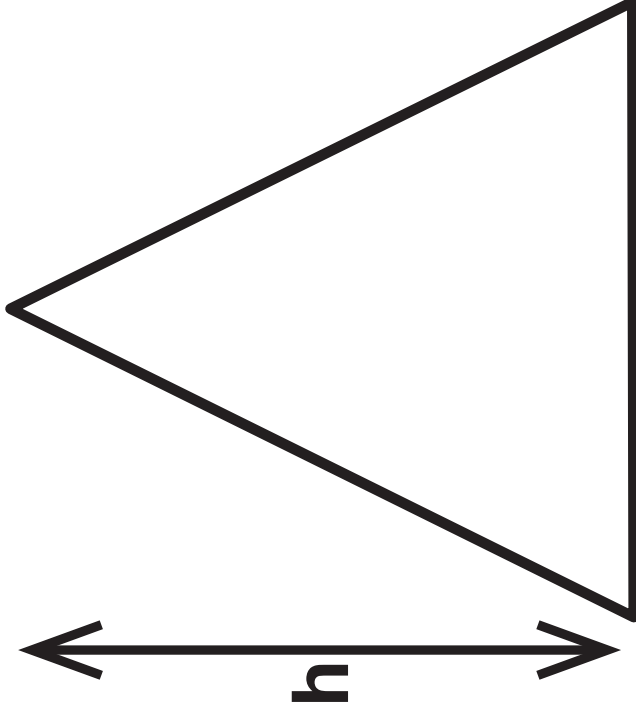
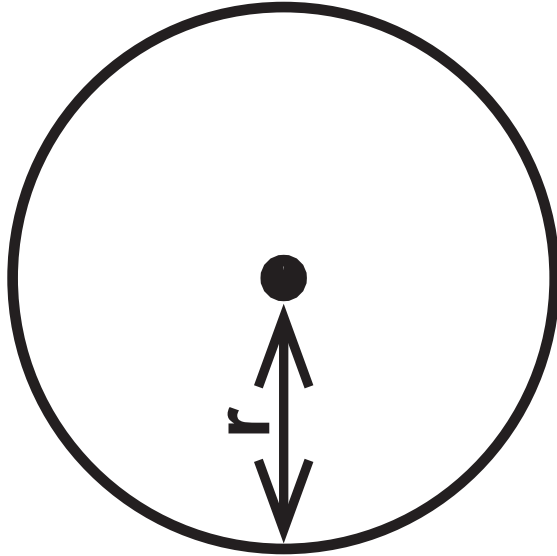


Diagram 5



Question 24(b)

Diagram 1

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

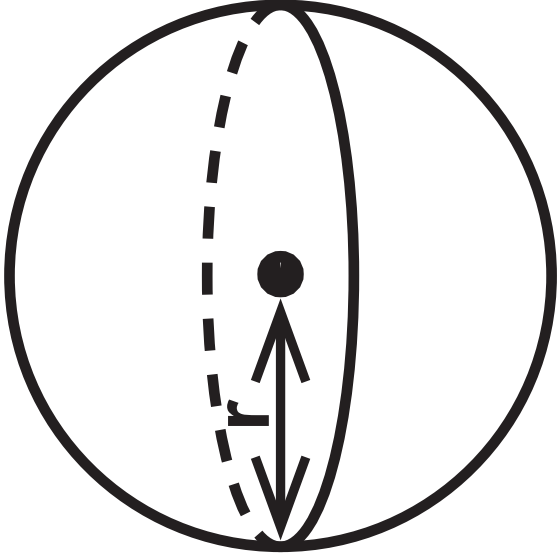


Diagram 2

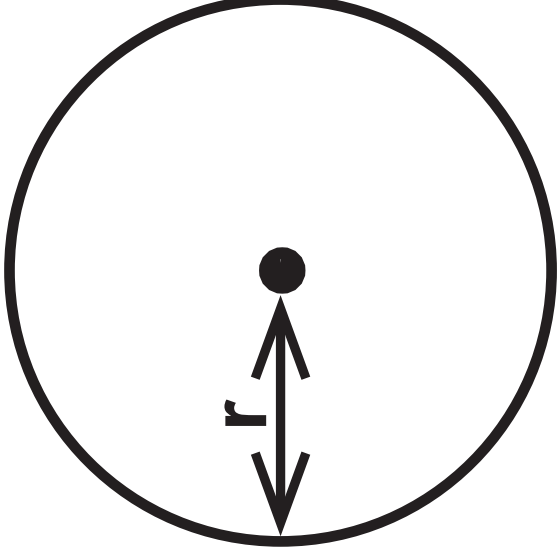


Diagram 3

Curved area of cone = $\pi r l$

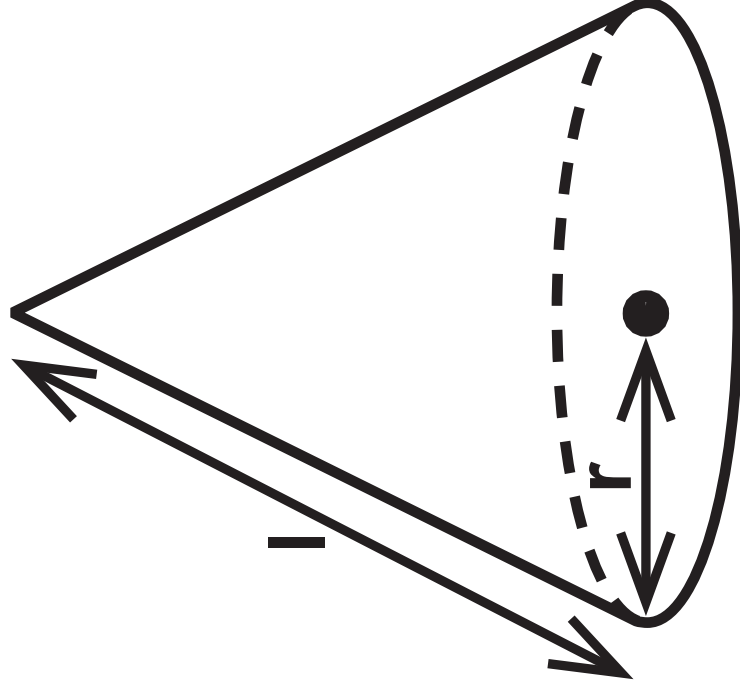


Diagram 4

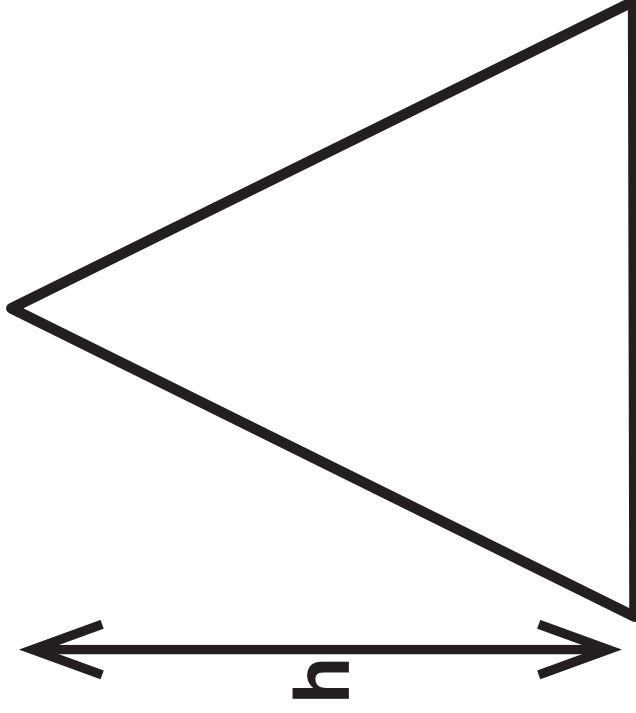


Diagram 5

