

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

Mathematics
Paper 1
(Non–Calculator)
Higher Tier

Tuesday 19 May 2020 – 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.**

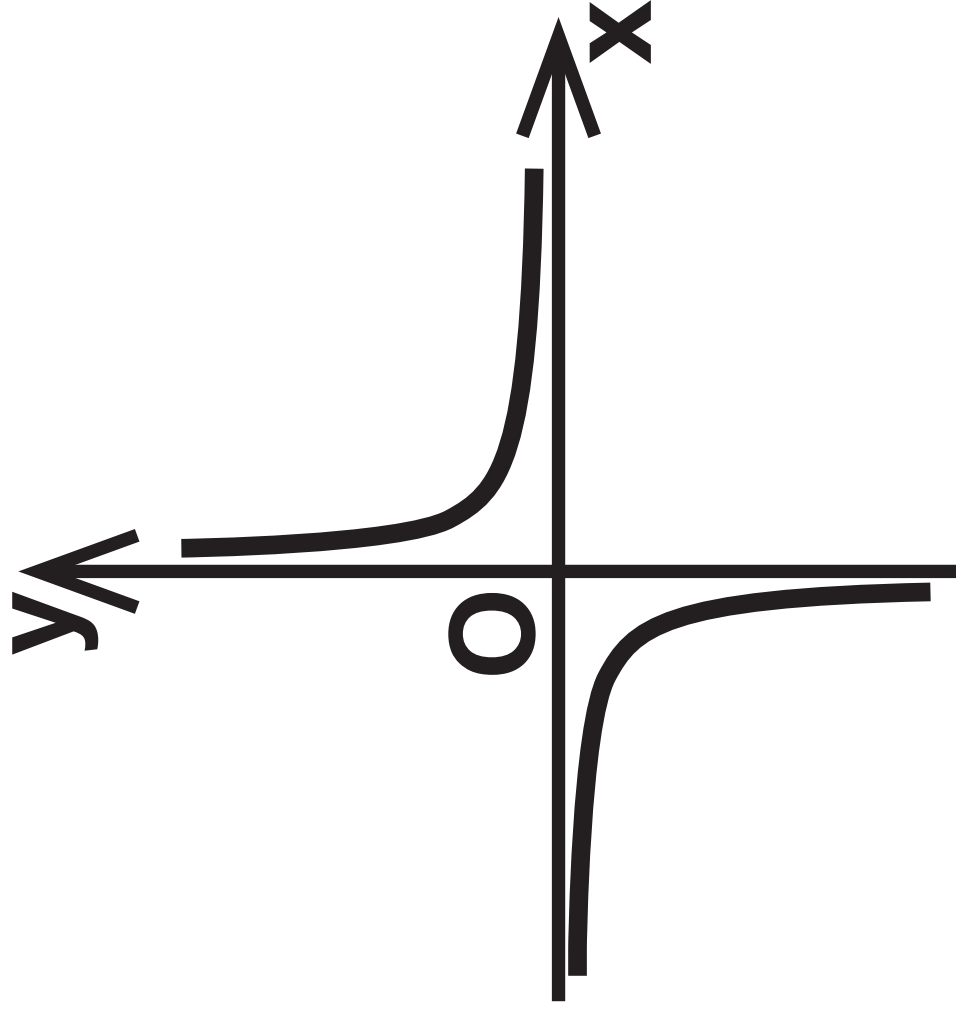
Contents

Page

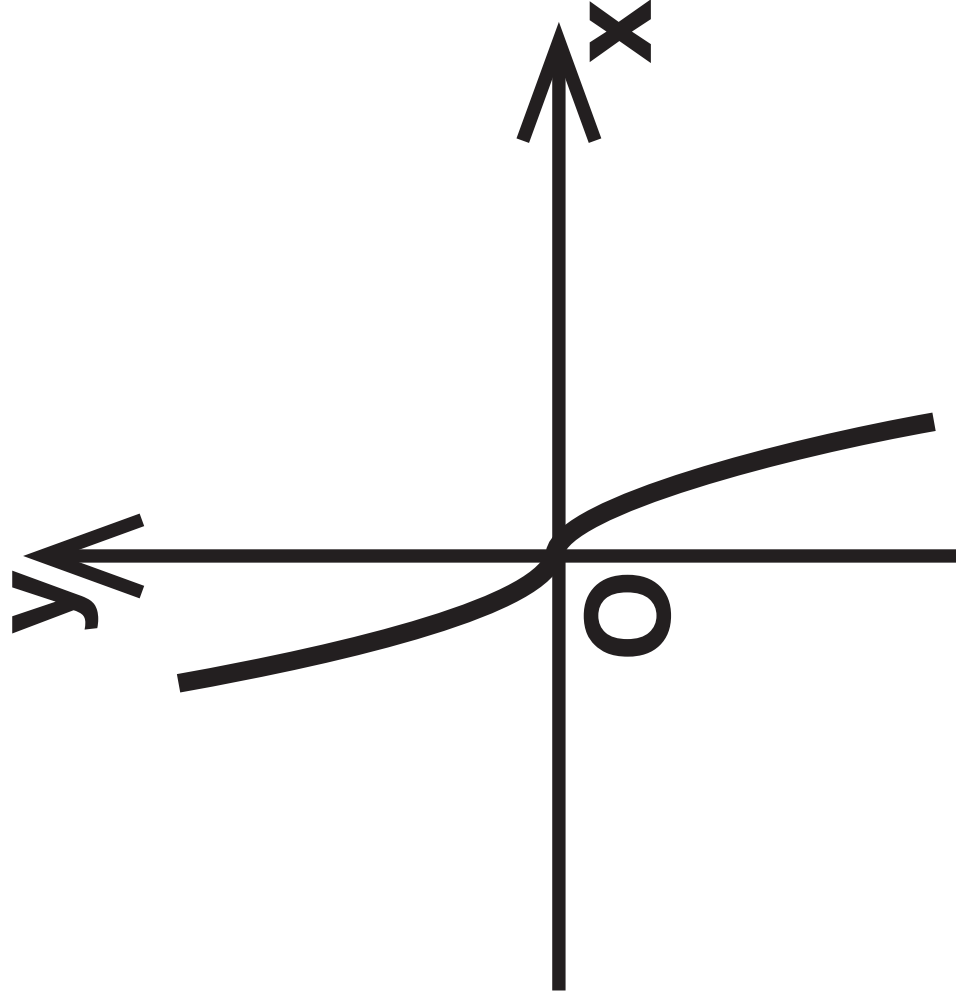
4	Question 3 – Part 1
5	Question 3 – Part 2
6	Question 4
7	Question 6
8	Question 7
9	Question 8
10	Question 12
11	Question 12(b)
12	Question 12(b) (Spare copy)
13	Question 21
14	Question 22
15	Question 23

Question 3 – Part 1

graph A

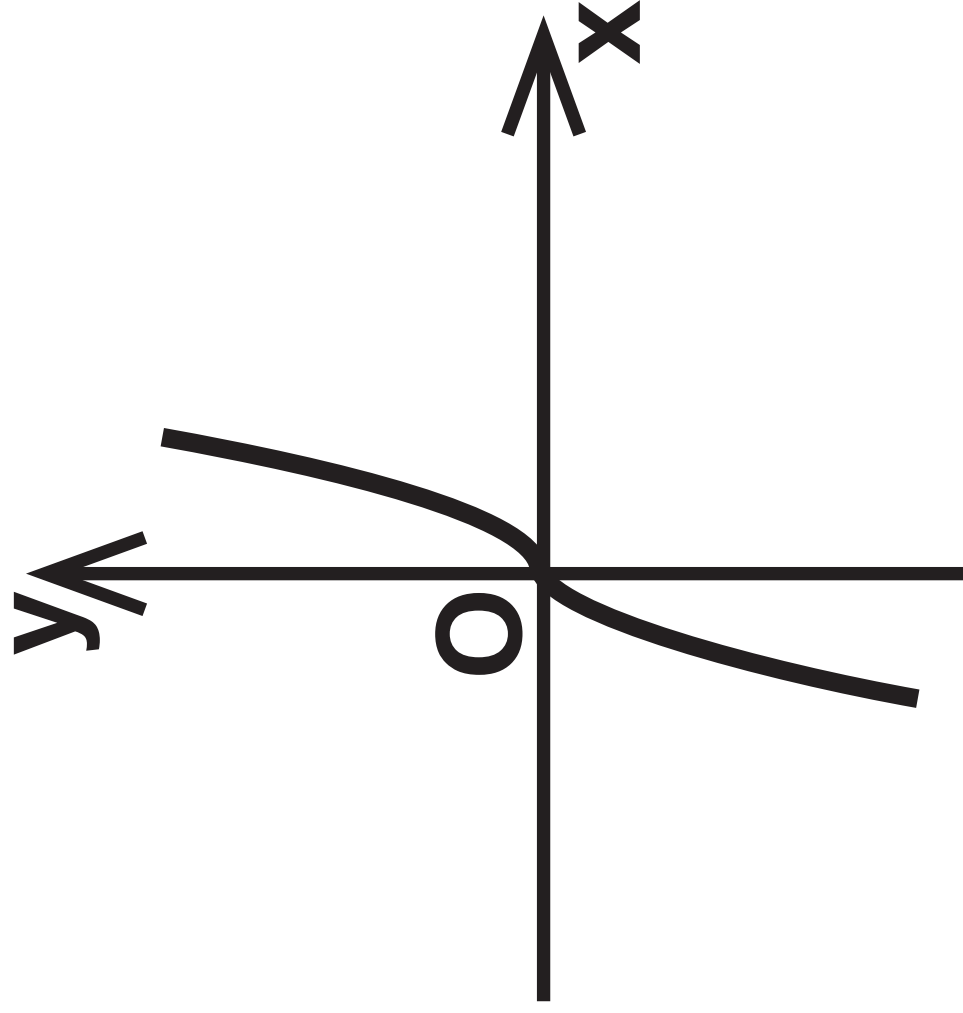


graph B

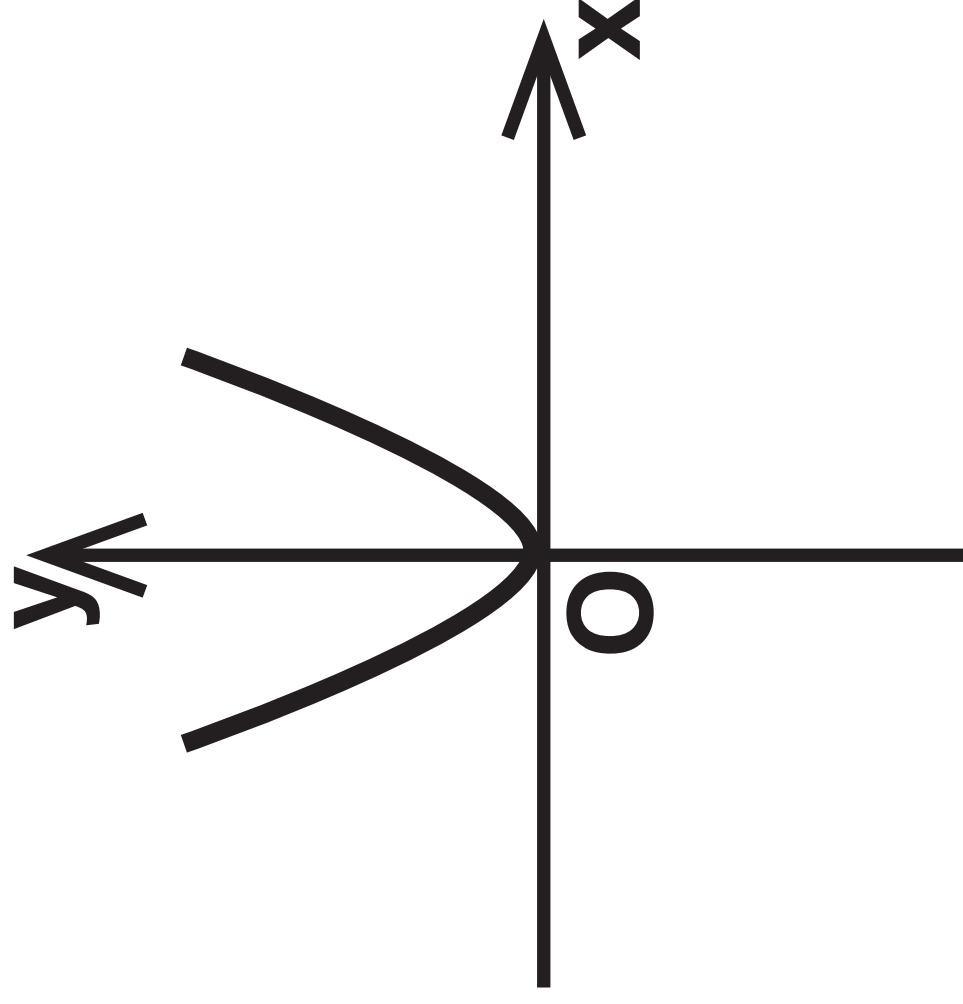


Question 3 – Part 2

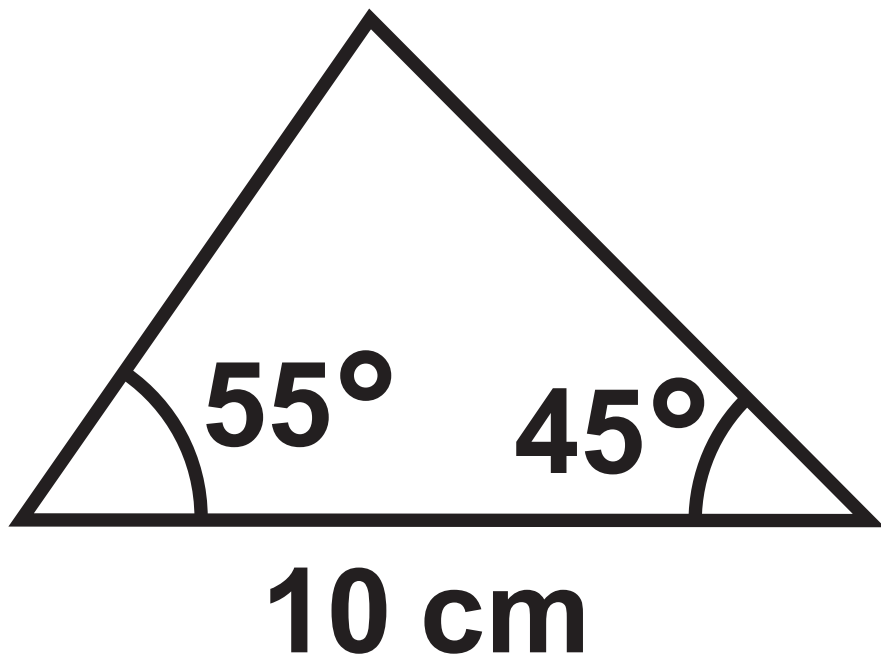
graph C



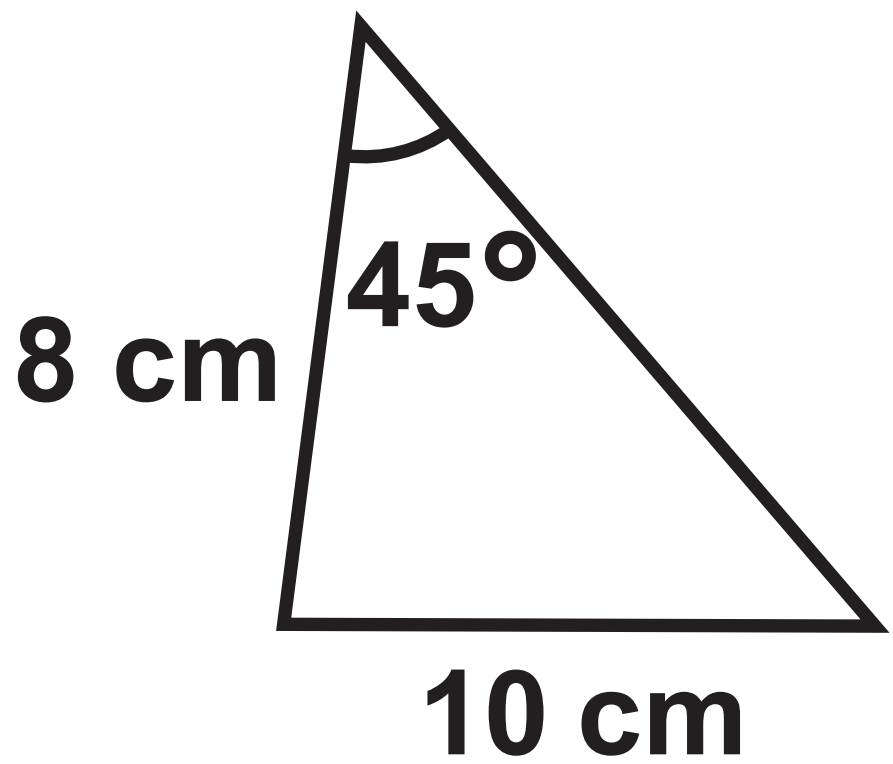
graph D



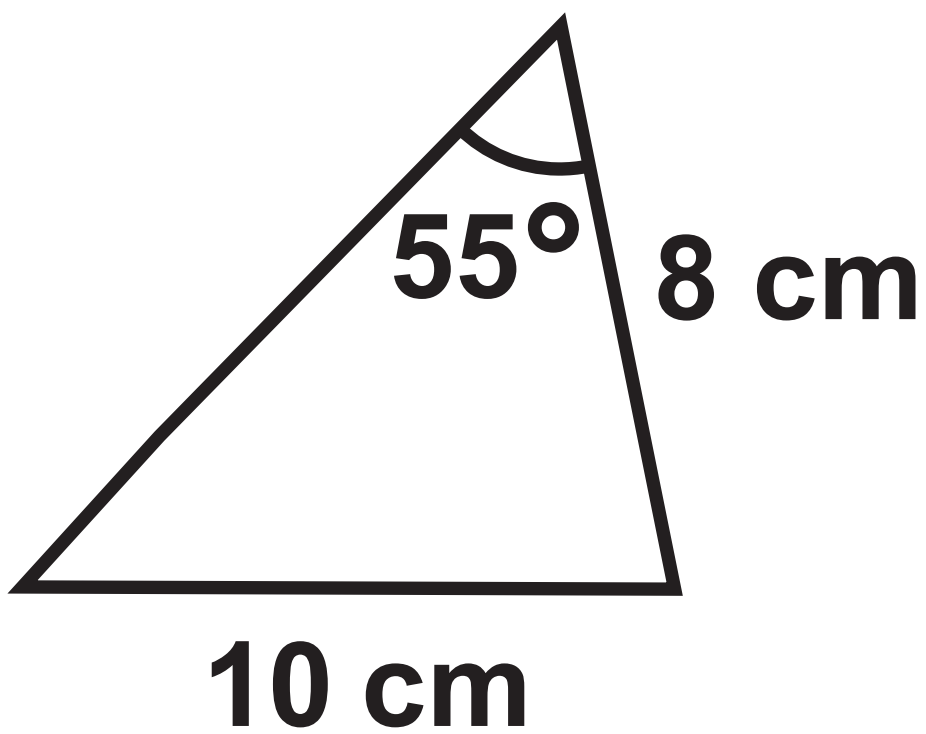
triangle A



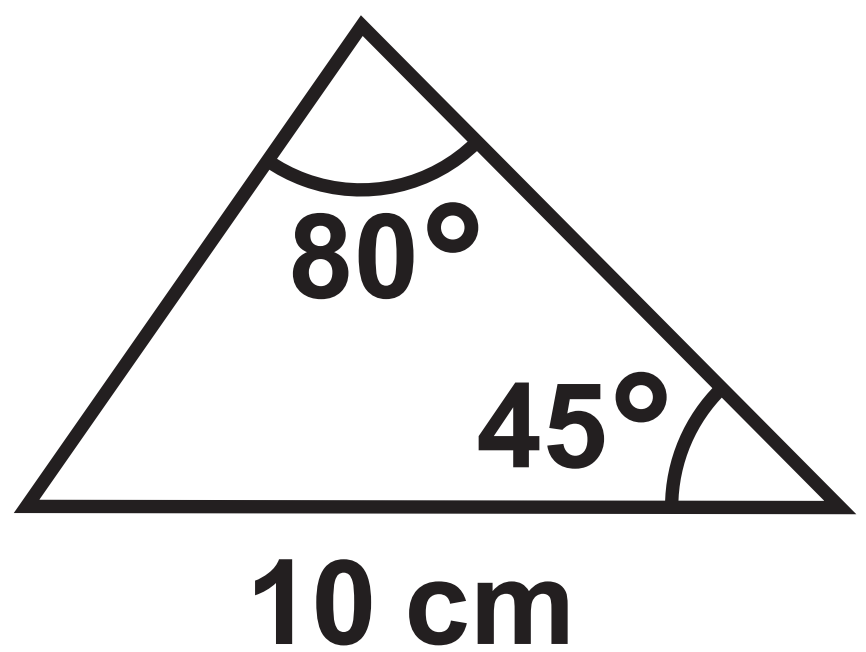
triangle B

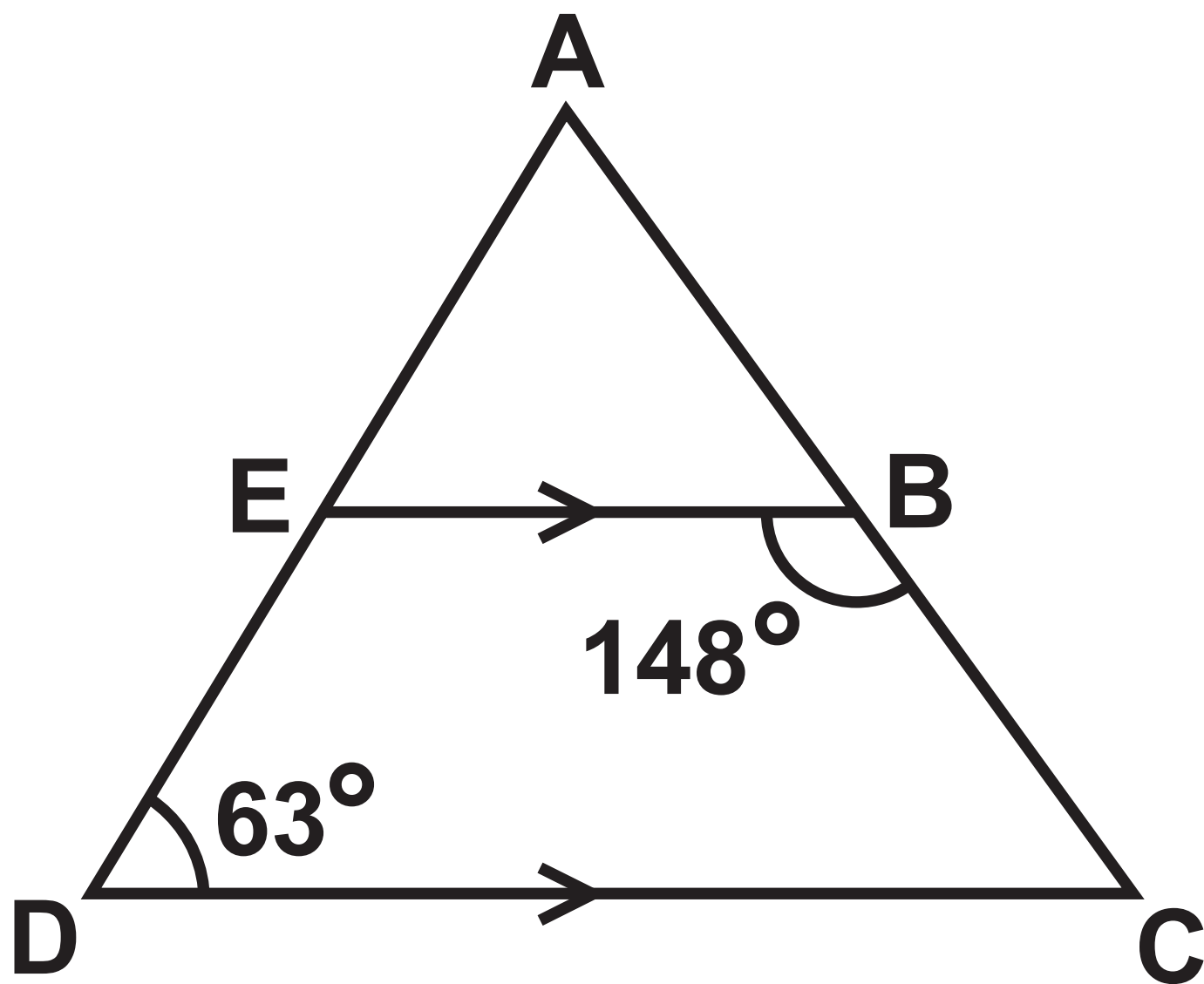


triangle C



triangle D





least height	150 cm
median	165 cm
greatest height	170 cm

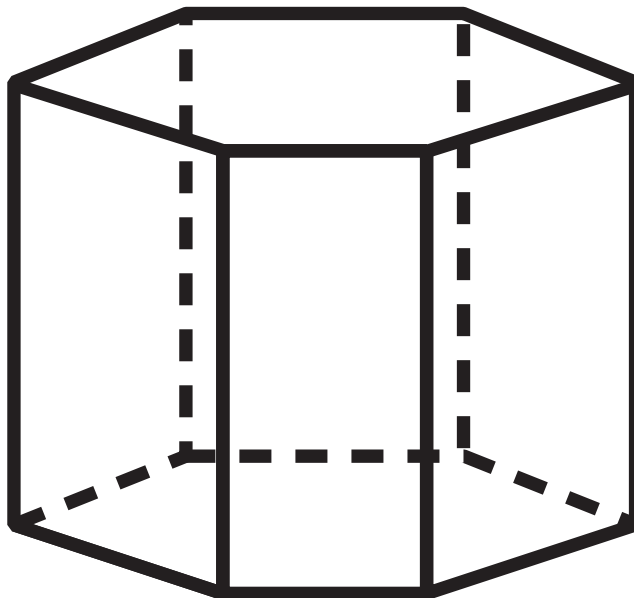
Key: 15		8 represents 158 cm
---------	--	---------------------

15	8	9	9		
16	4	5	7	7	8
17	0	3	4	4	7
18	0	2			

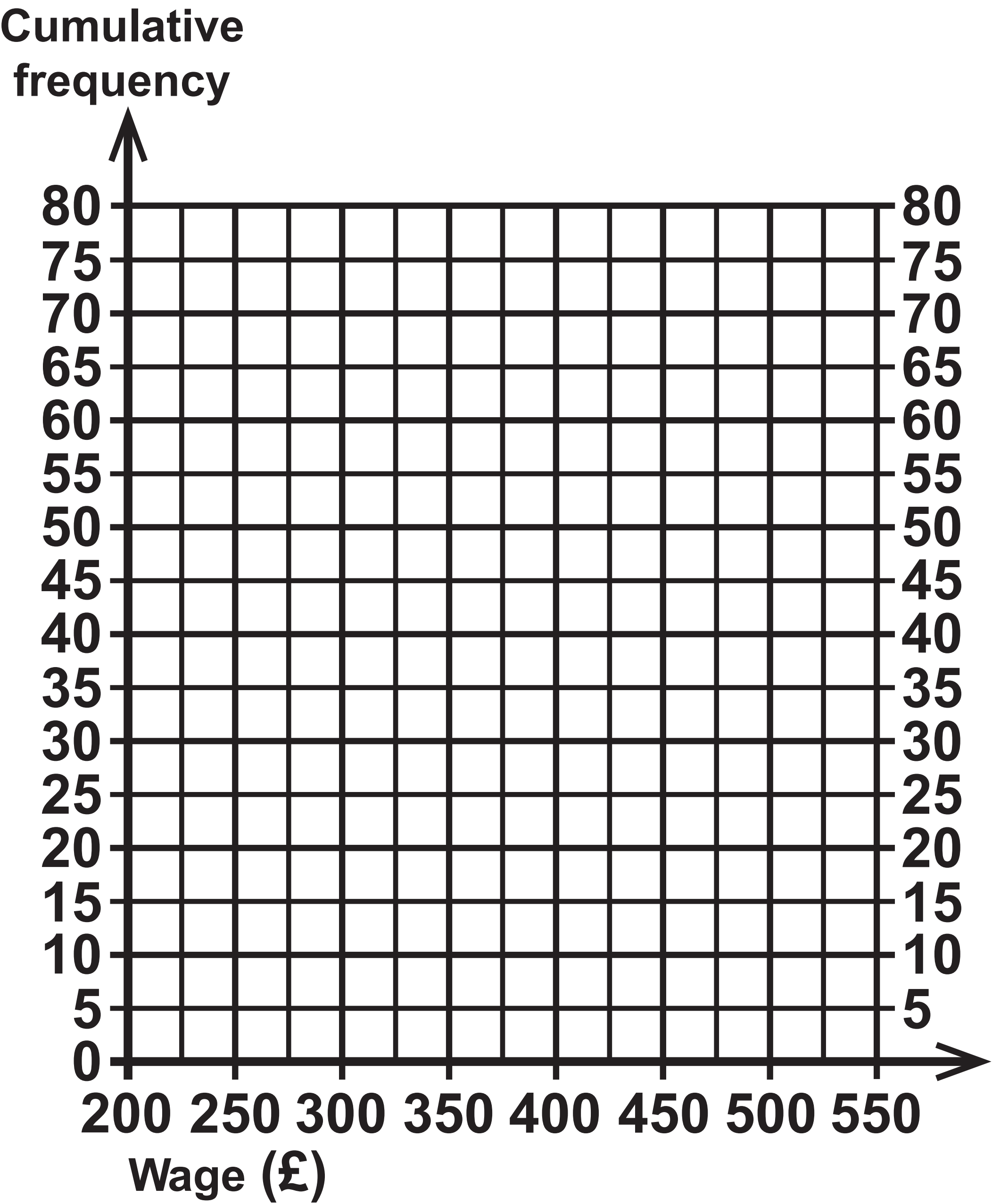
Question 8

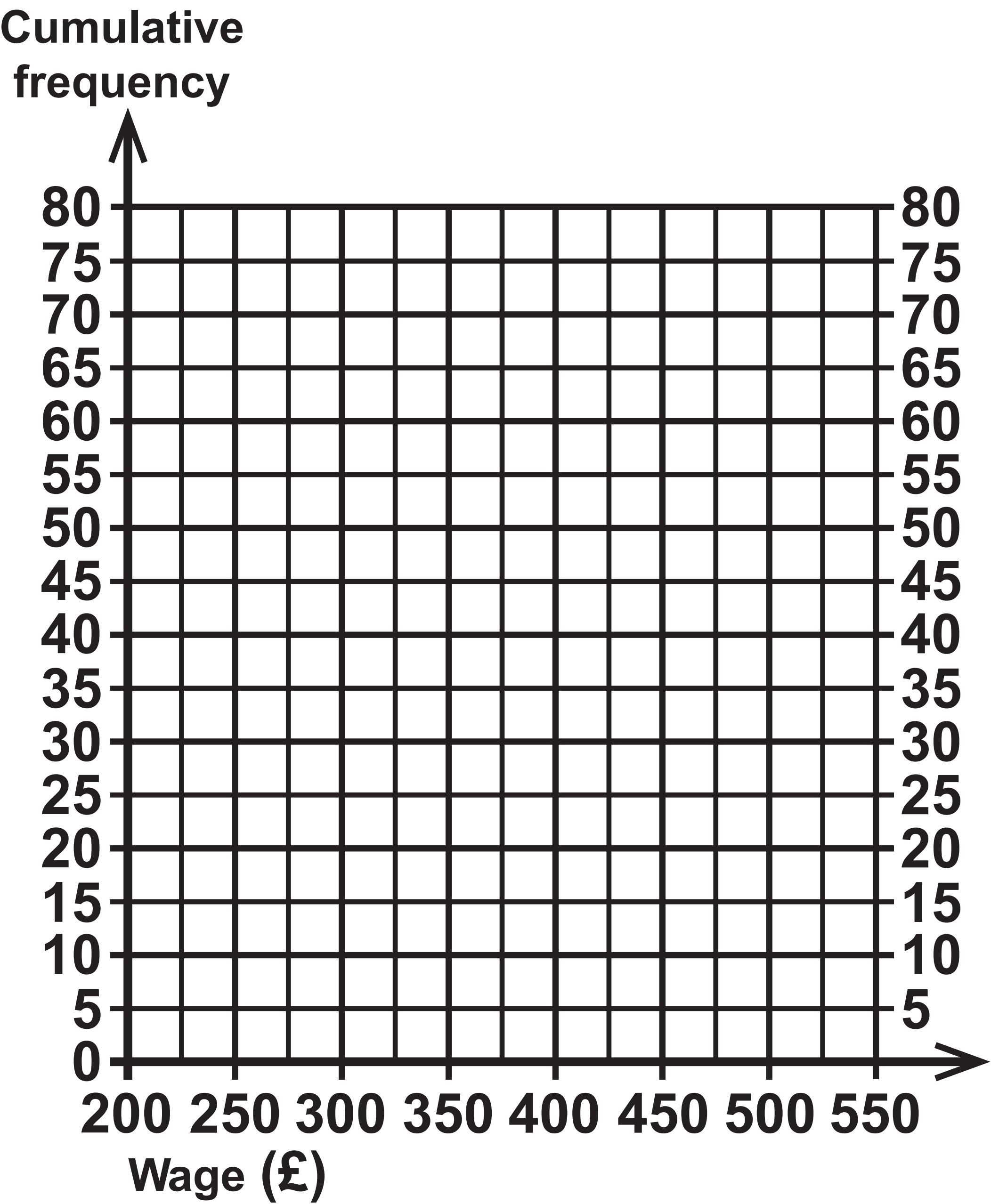
$$\text{pressure} = \frac{\text{force}}{\text{area}}$$

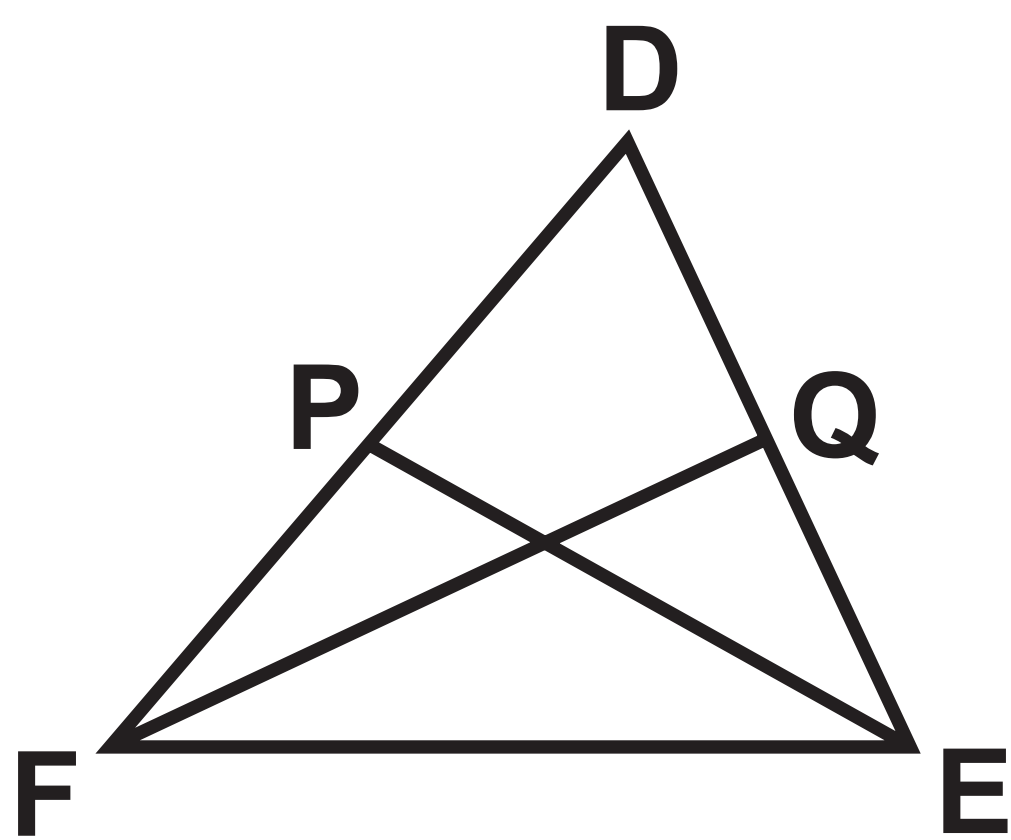
3 metres



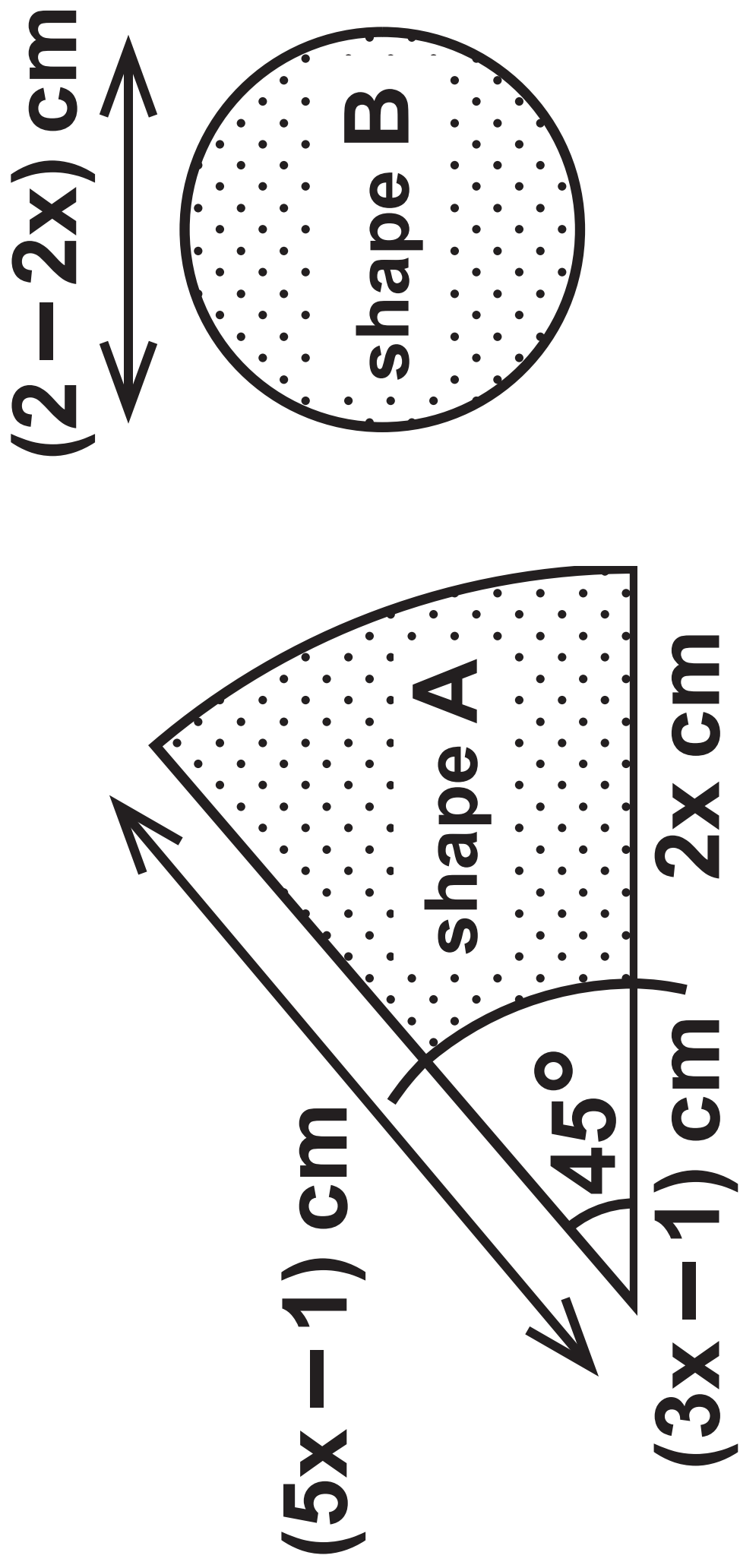
Wage (£w)	Frequency
$200 < w \leq 250$	5
$250 < w \leq 300$	10
$300 < w \leq 350$	20
$350 < w \leq 400$	25
$400 < w \leq 450$	15
$450 < w \leq 500$	5



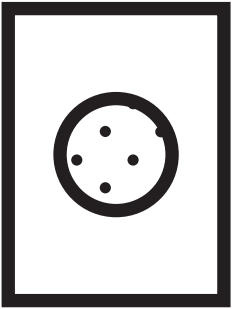
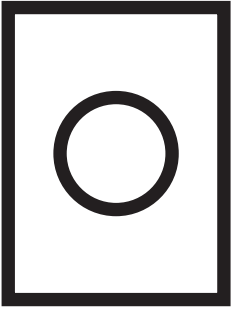
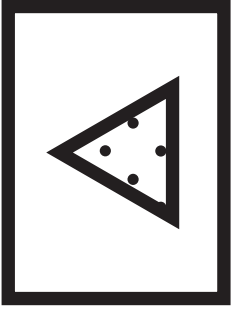
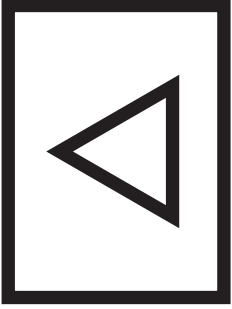




Question 22



Question 23

shaded circle		white circle		shaded triangle		white triangle	
------------------	---	-----------------	---	--------------------	---	-------------------	---

number of cards with a shaded shape : number of cards with a white shape = 3 : 5

number of cards with a circle : number of cards with a triangle = 2 : 7