

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.**

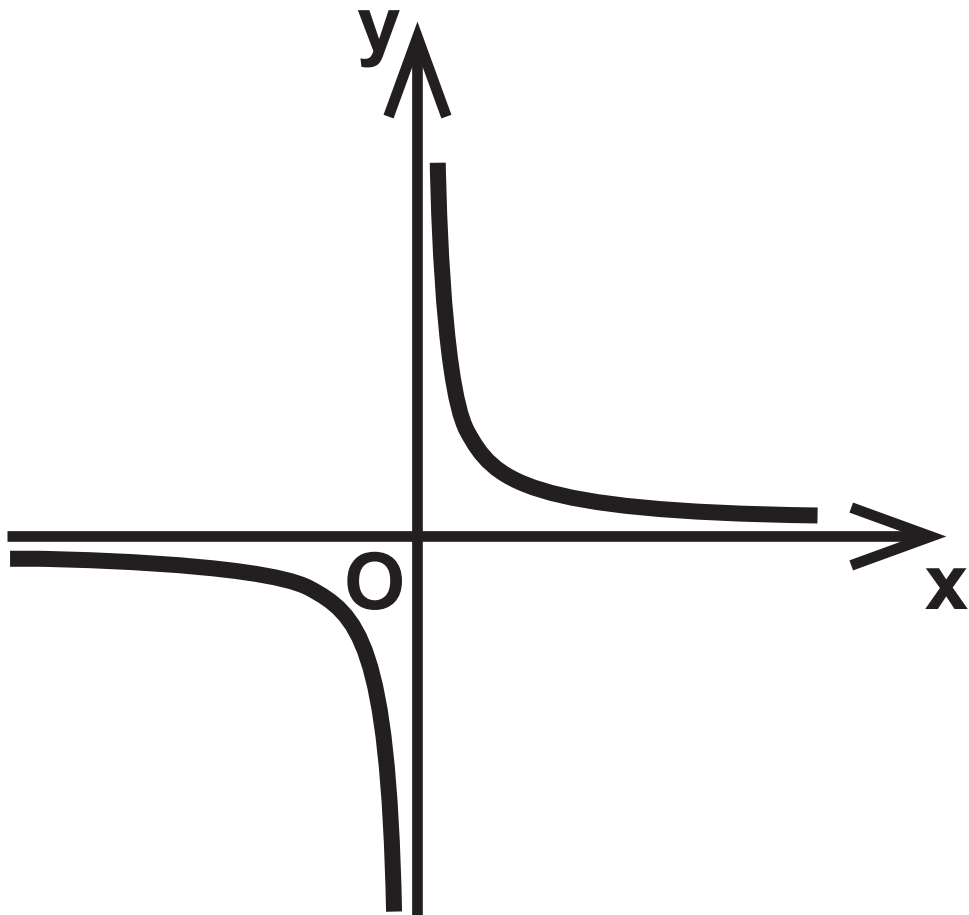
## **Contents**

### **Page**

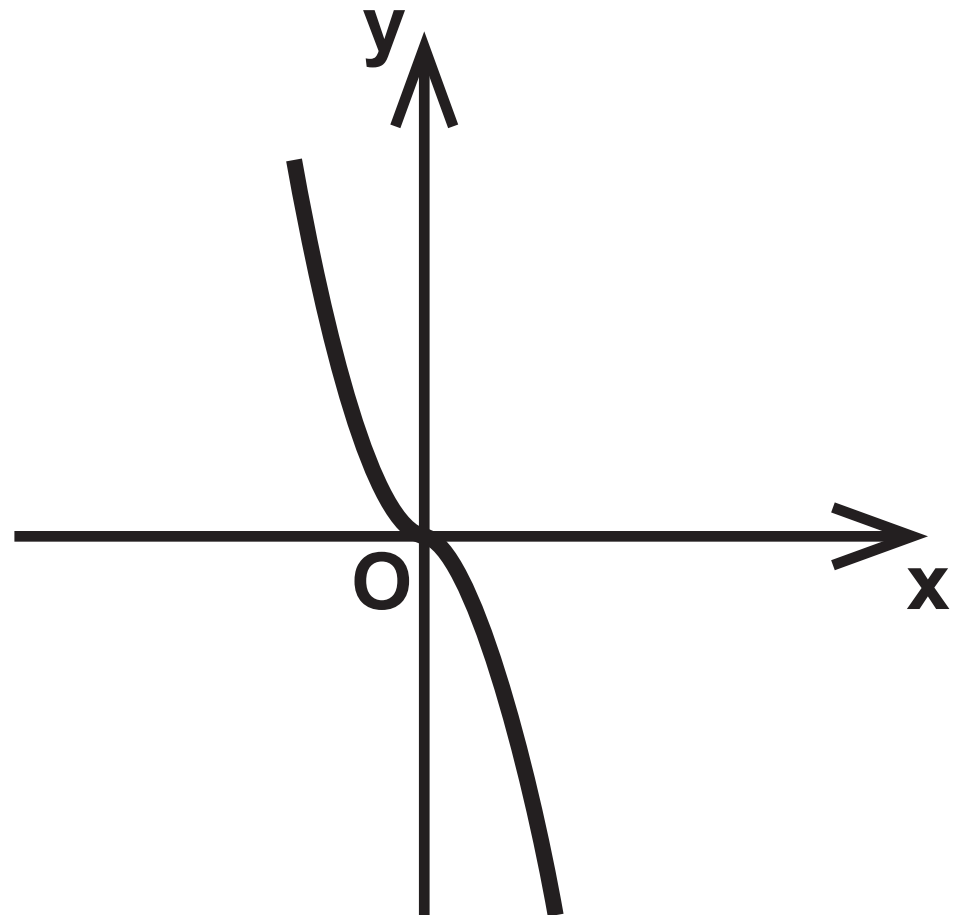
<b>4</b>	<b>Question 3</b>
<b>5</b>	<b>Question 4</b>
<b>6</b>	<b>Question 6</b>
<b>7</b>	<b>Question 7</b>
<b>8</b>	<b>Question 8</b>
<b>9</b>	<b>Question 12</b>
<b>10</b>	<b>Question 12(b)</b>
<b>11</b>	<b>Question 12(b) (Spare copy)</b>
<b>12</b>	<b>Question 21</b>
<b>13</b>	<b>Question 22</b>
<b>14</b>	<b>Question 23</b>

Question 3

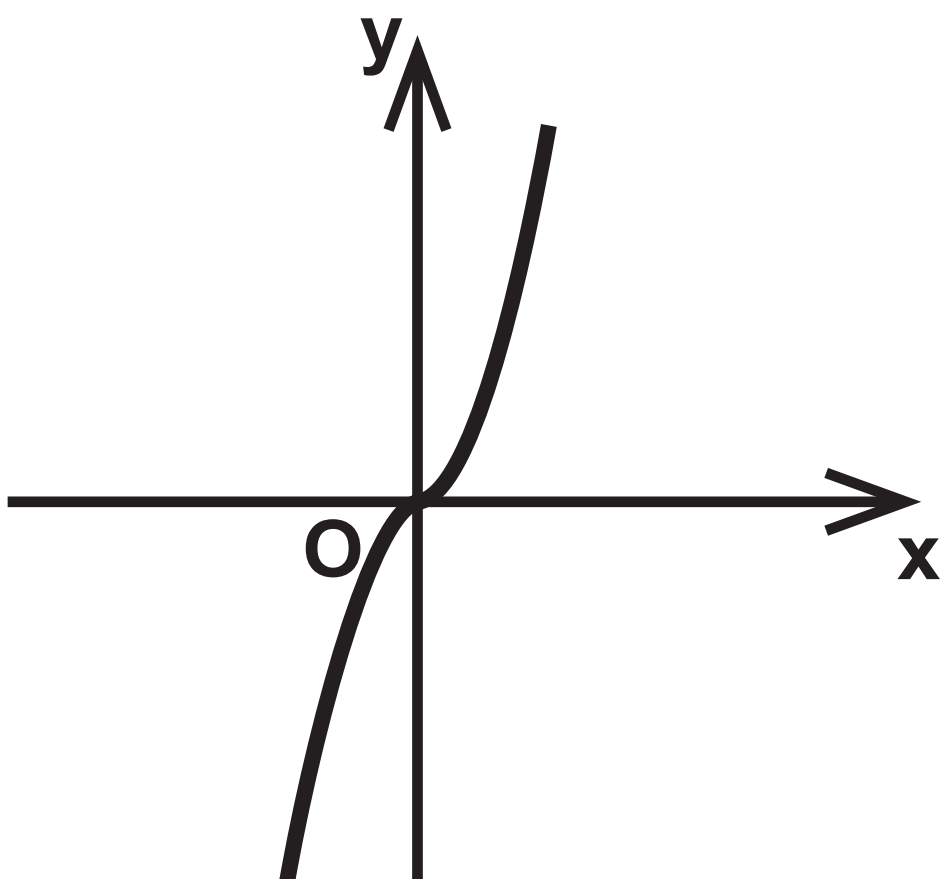
graph A



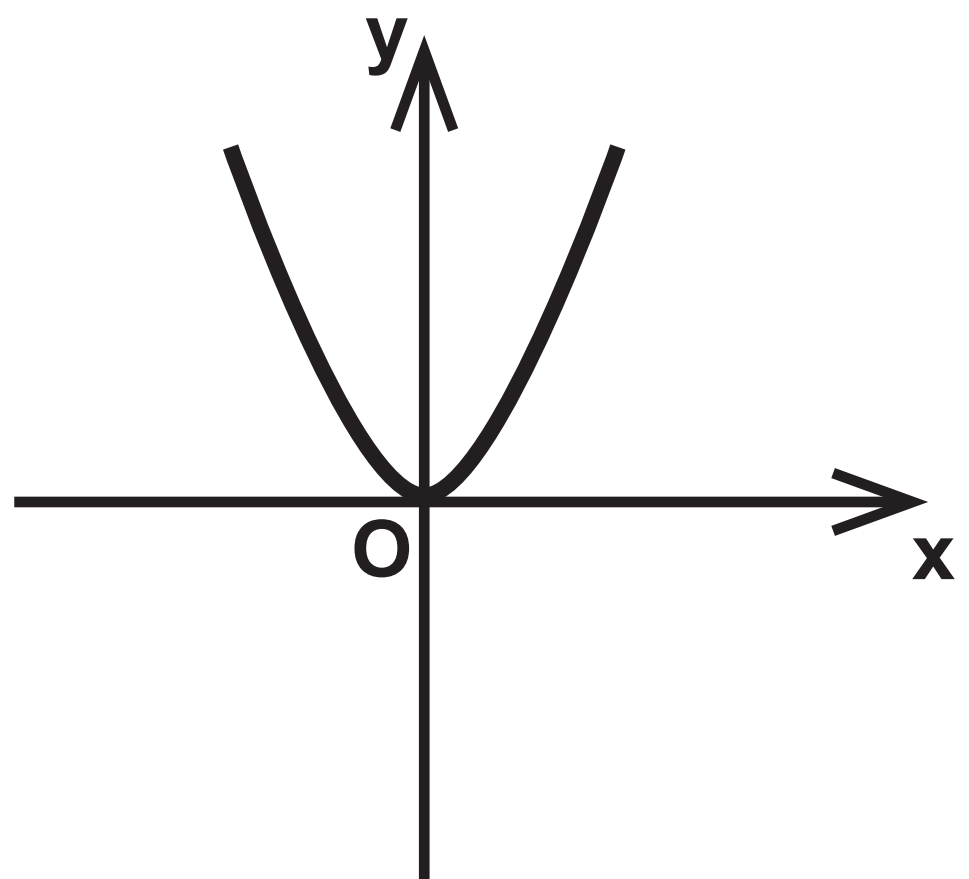
graph B



graph C

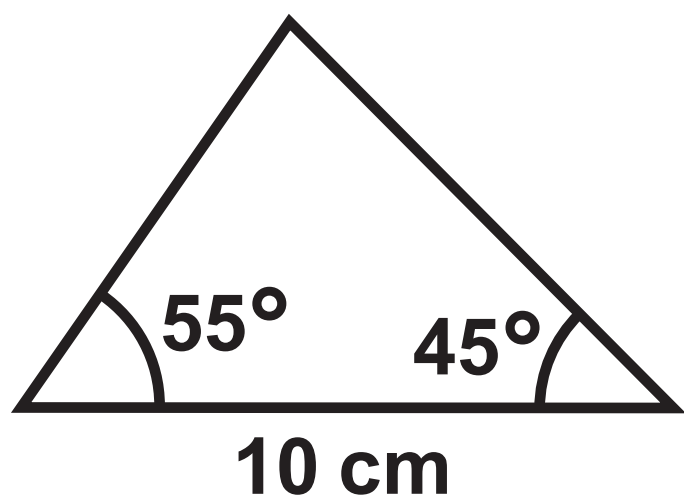


graph D

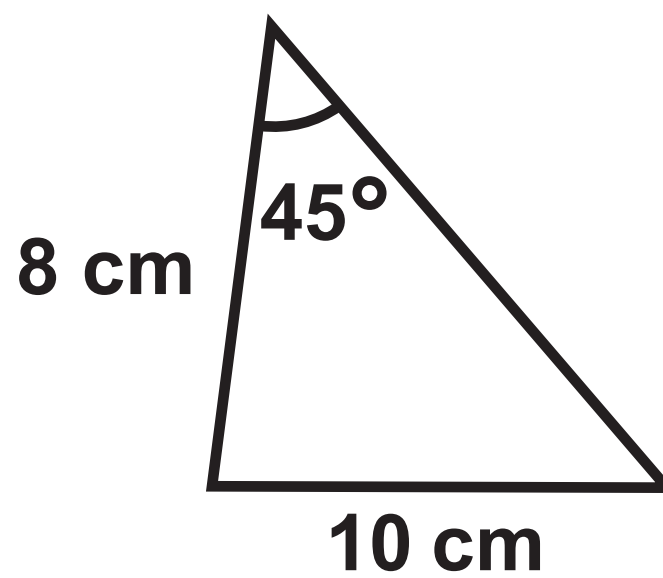


## Question 4

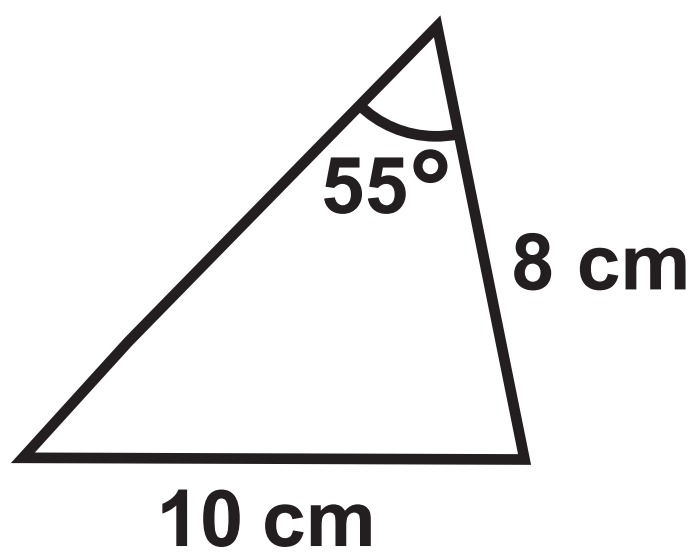
triangle A



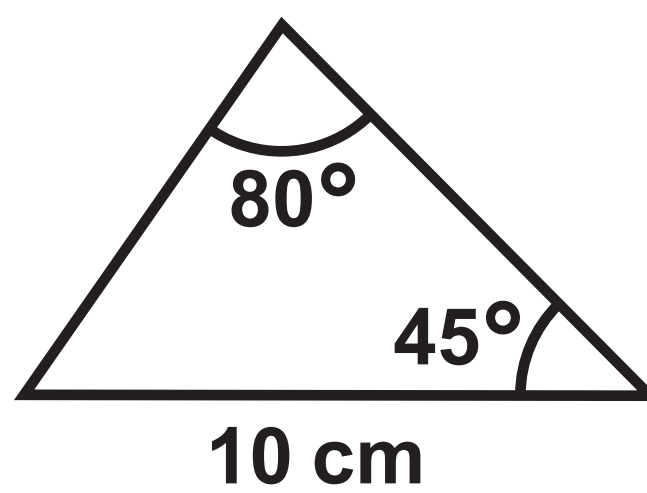
triangle B



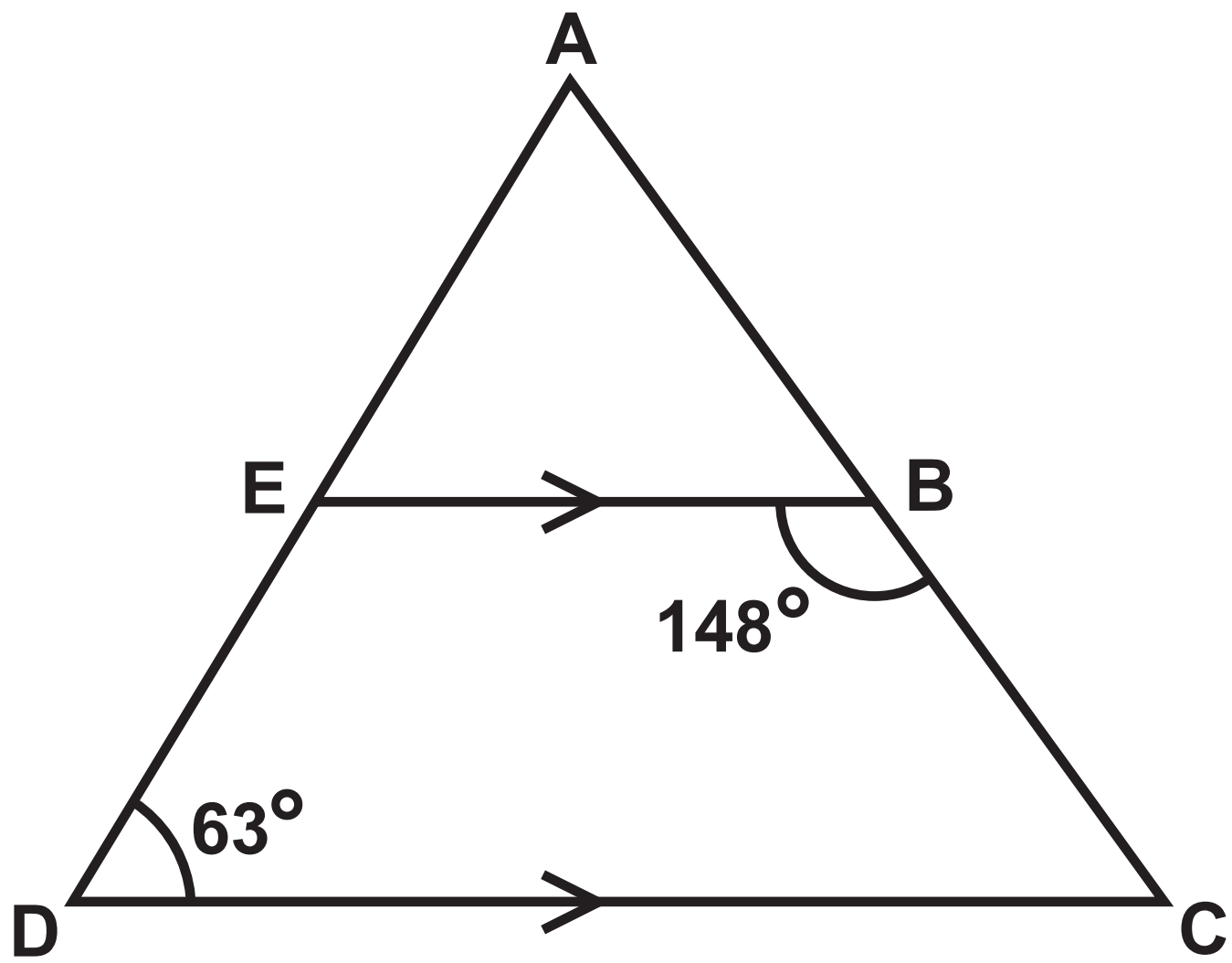
triangle C



triangle D



Question 6



Question 7

least height	150 cm
median	165 cm
greatest height	170 cm

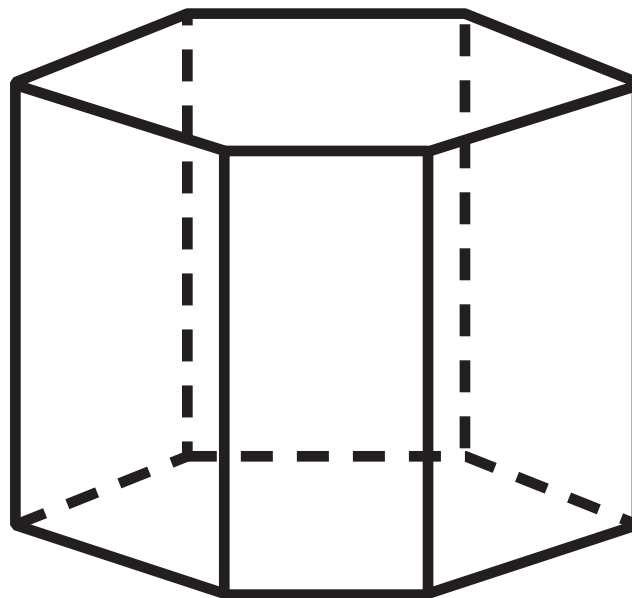
Key: 15 | 8 represents 158 cm

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

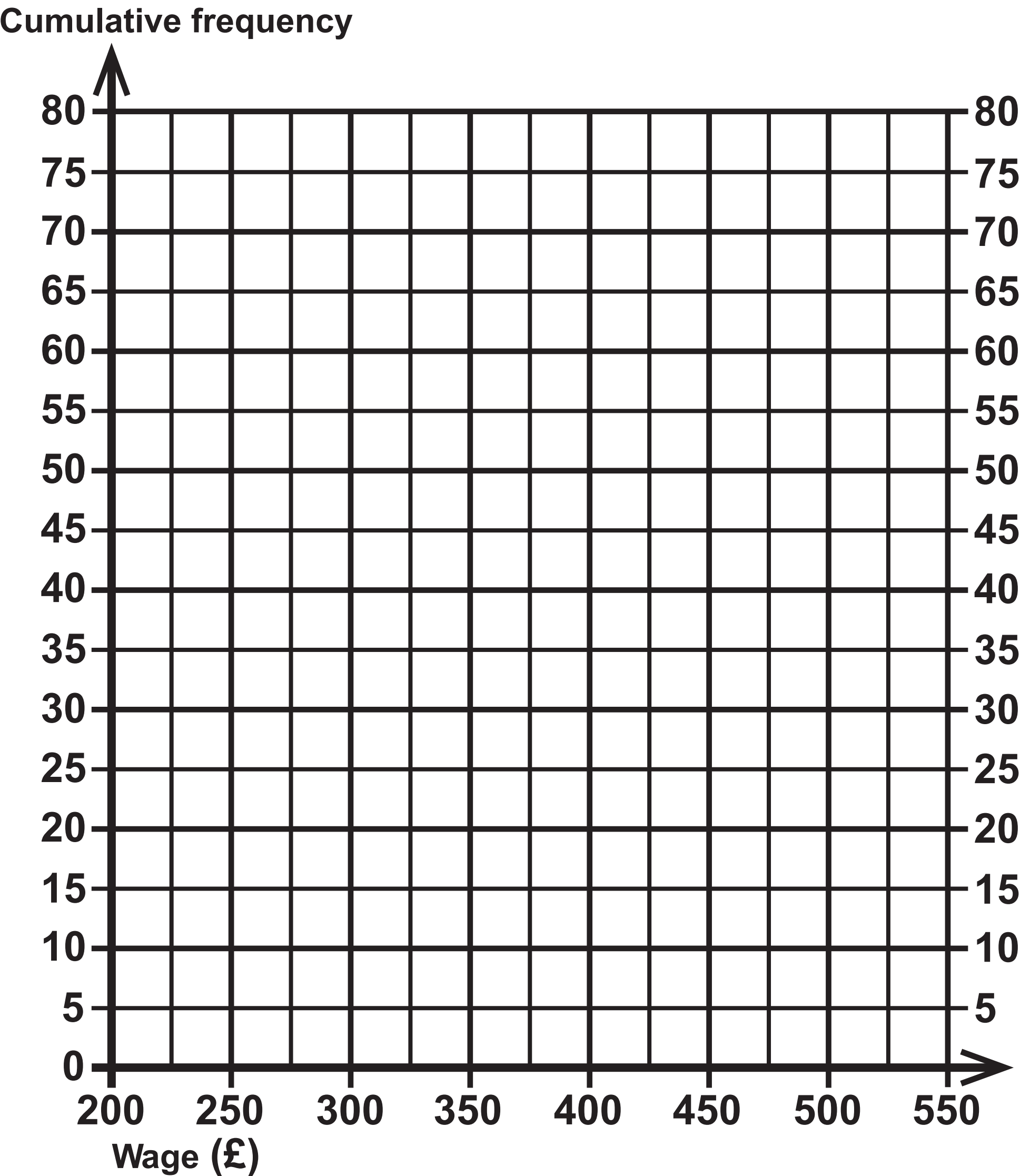




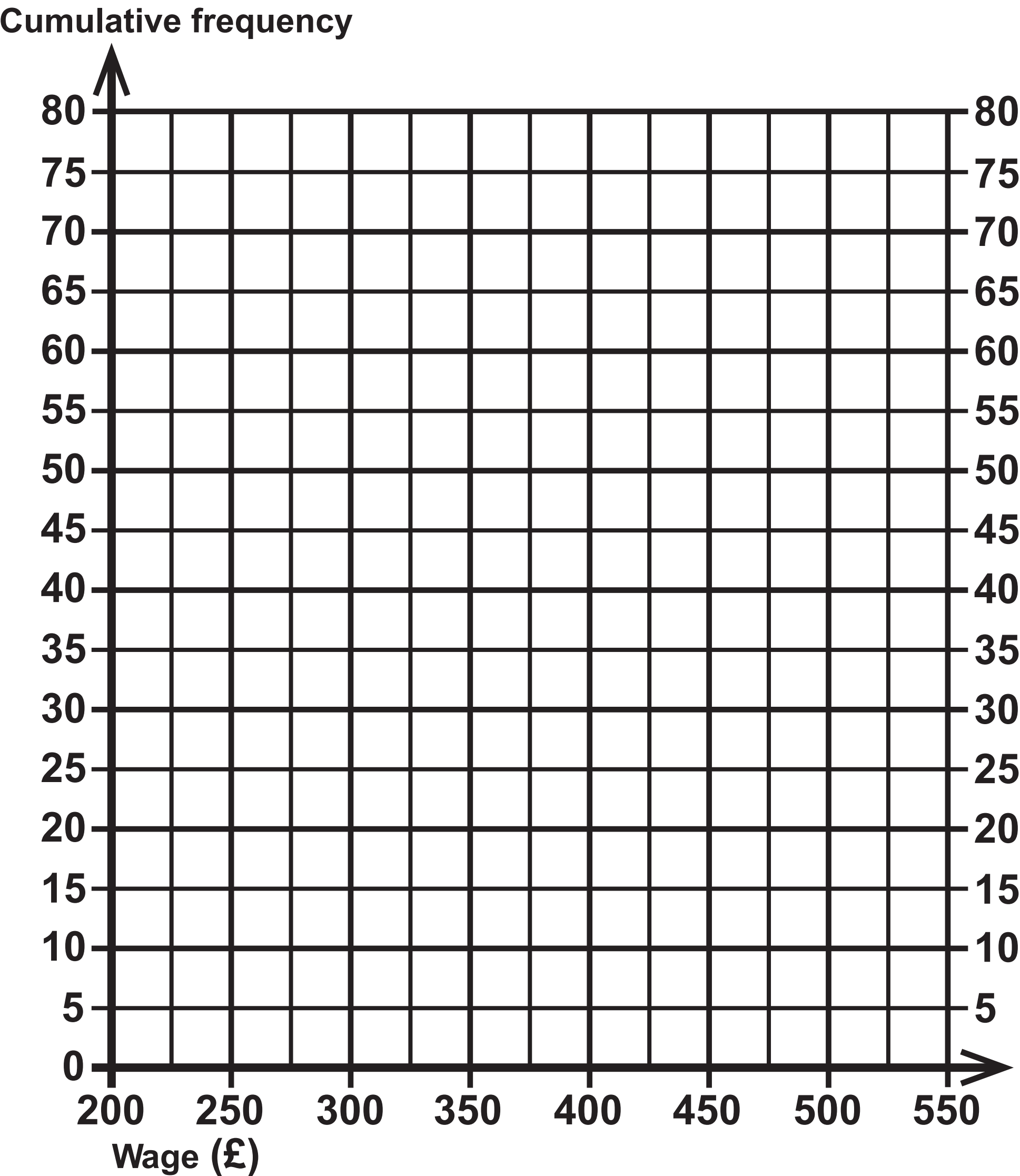
## Question 12

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

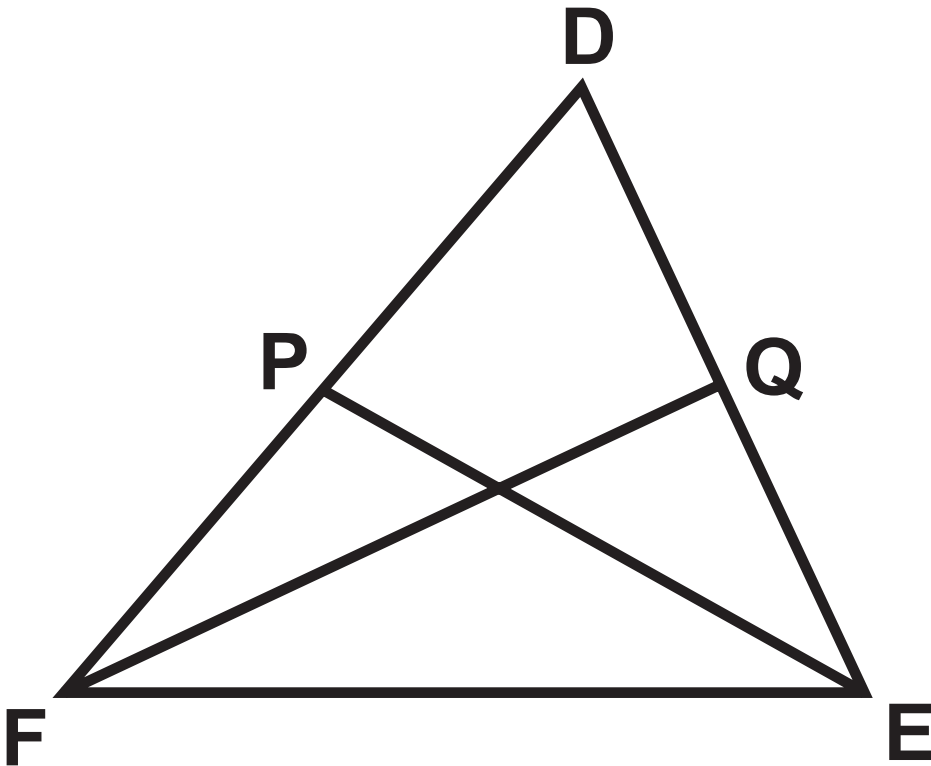
Question 12(b)



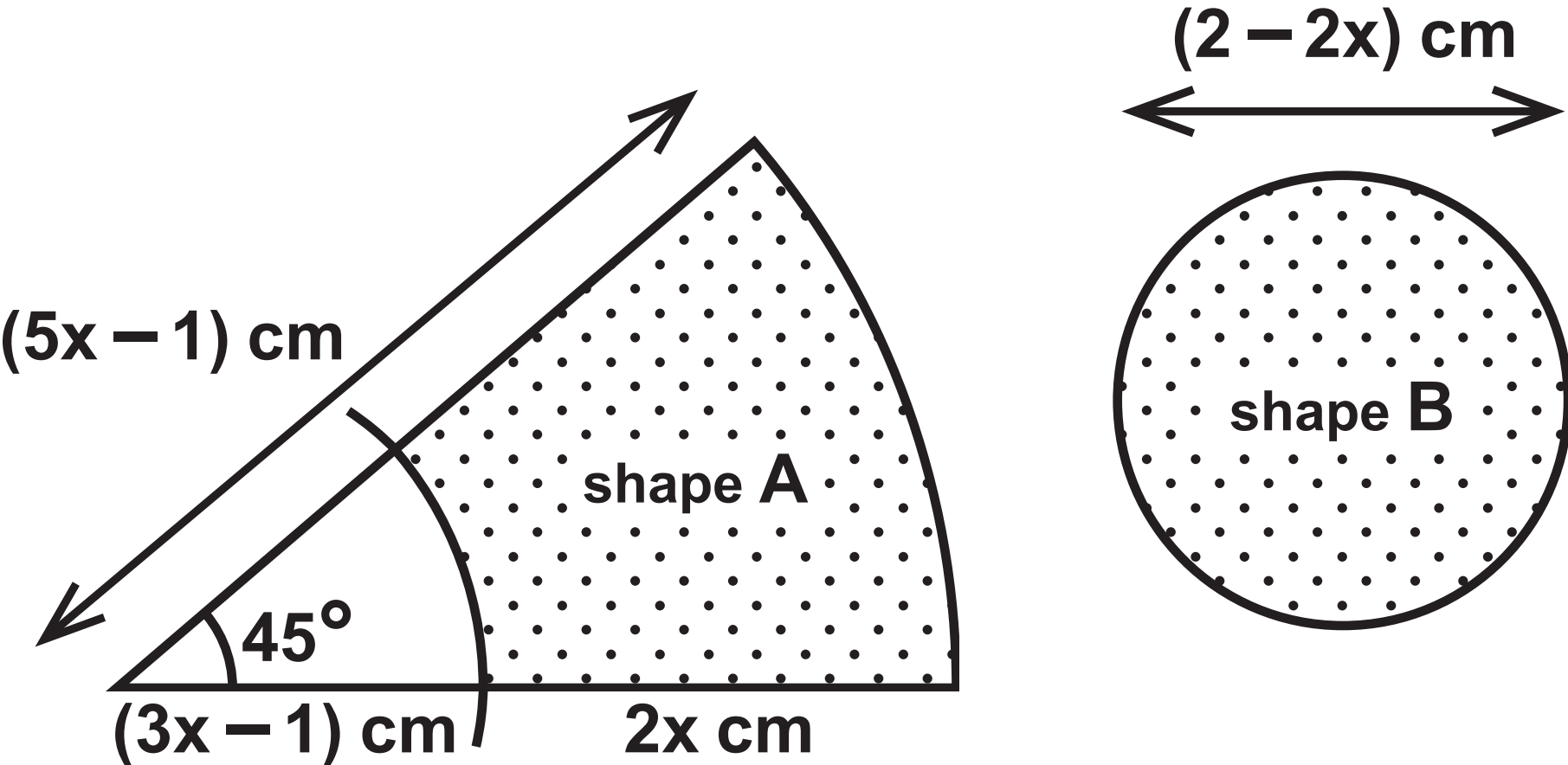
Question 12(b)



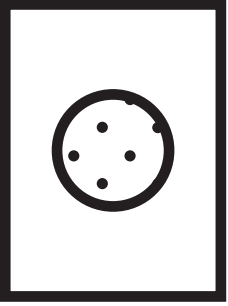
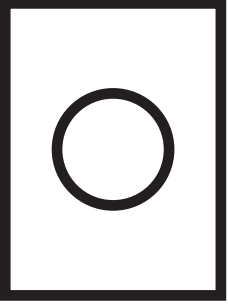
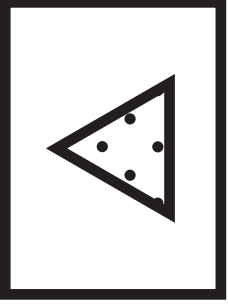
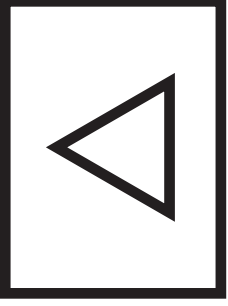
Question 21



Question 22



Question 23

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

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

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