

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

**Mathematics**  
**PAPER 2**  
**(Calculator)**  
**Higher Tier**

**Diagram Booklet**

**In the boxes below, write your name,  
centre number and candidate number.**

<b>Surname</b>										
<b>Other names</b>										
<b>Centre Number</b>										
<b>Candidate Number</b>										

# 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.**

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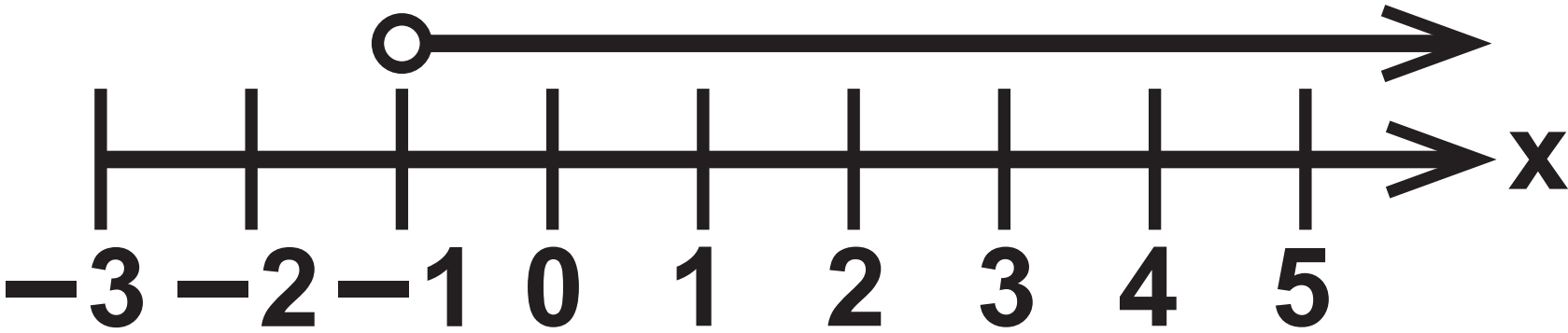
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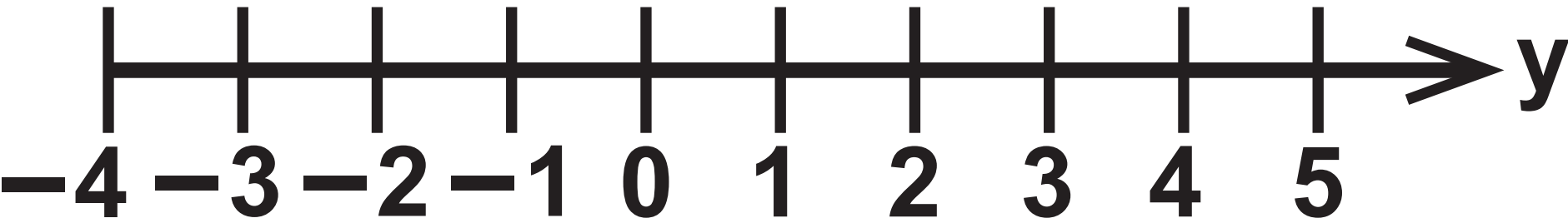
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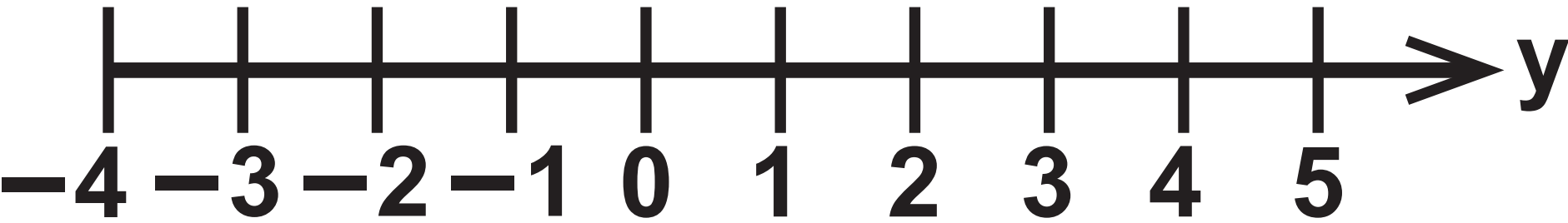
Question 1(a)



Question 1(b)

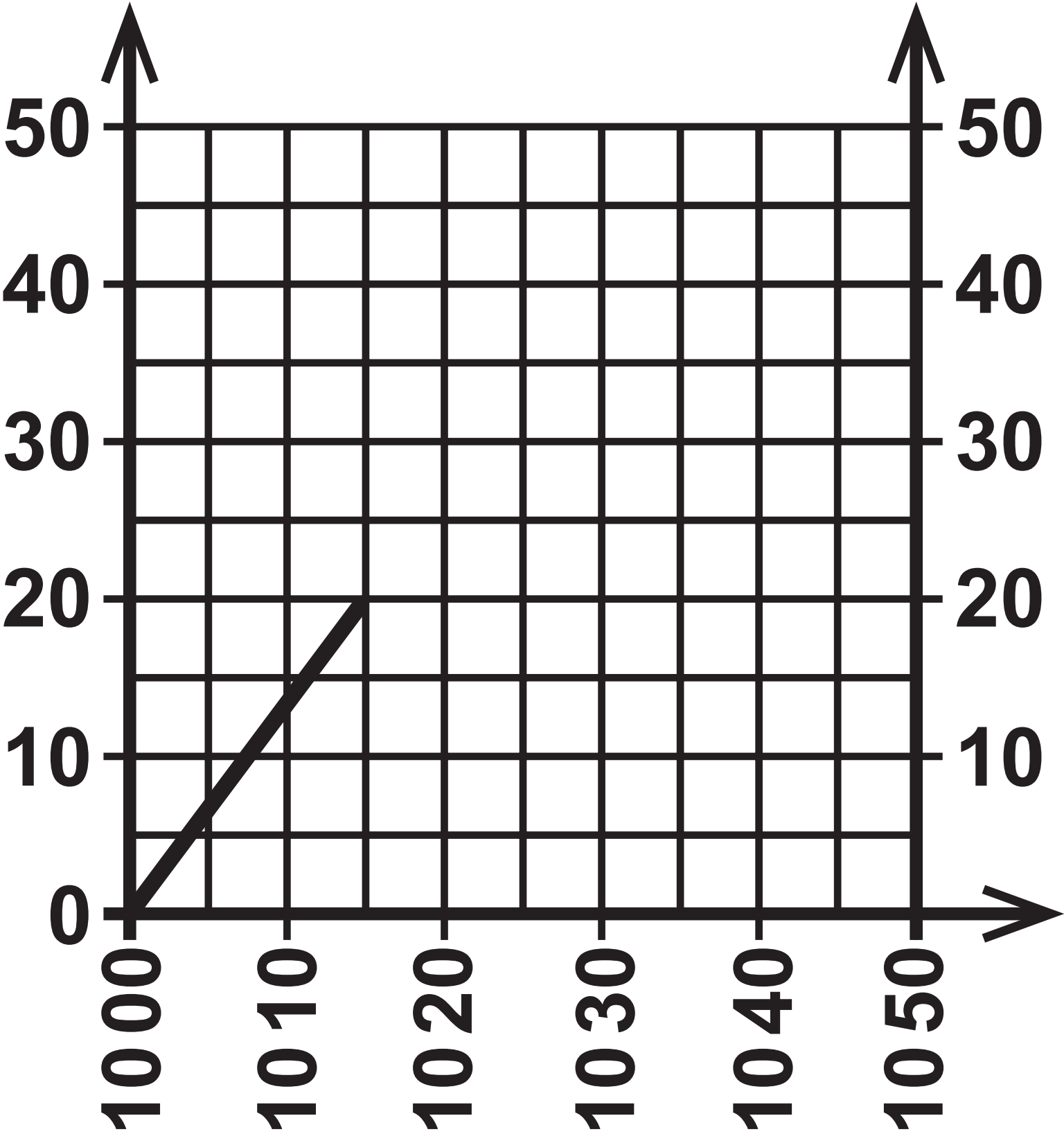


Question 1(b)



Question 3

Distance  
travelled  
(kilometres)

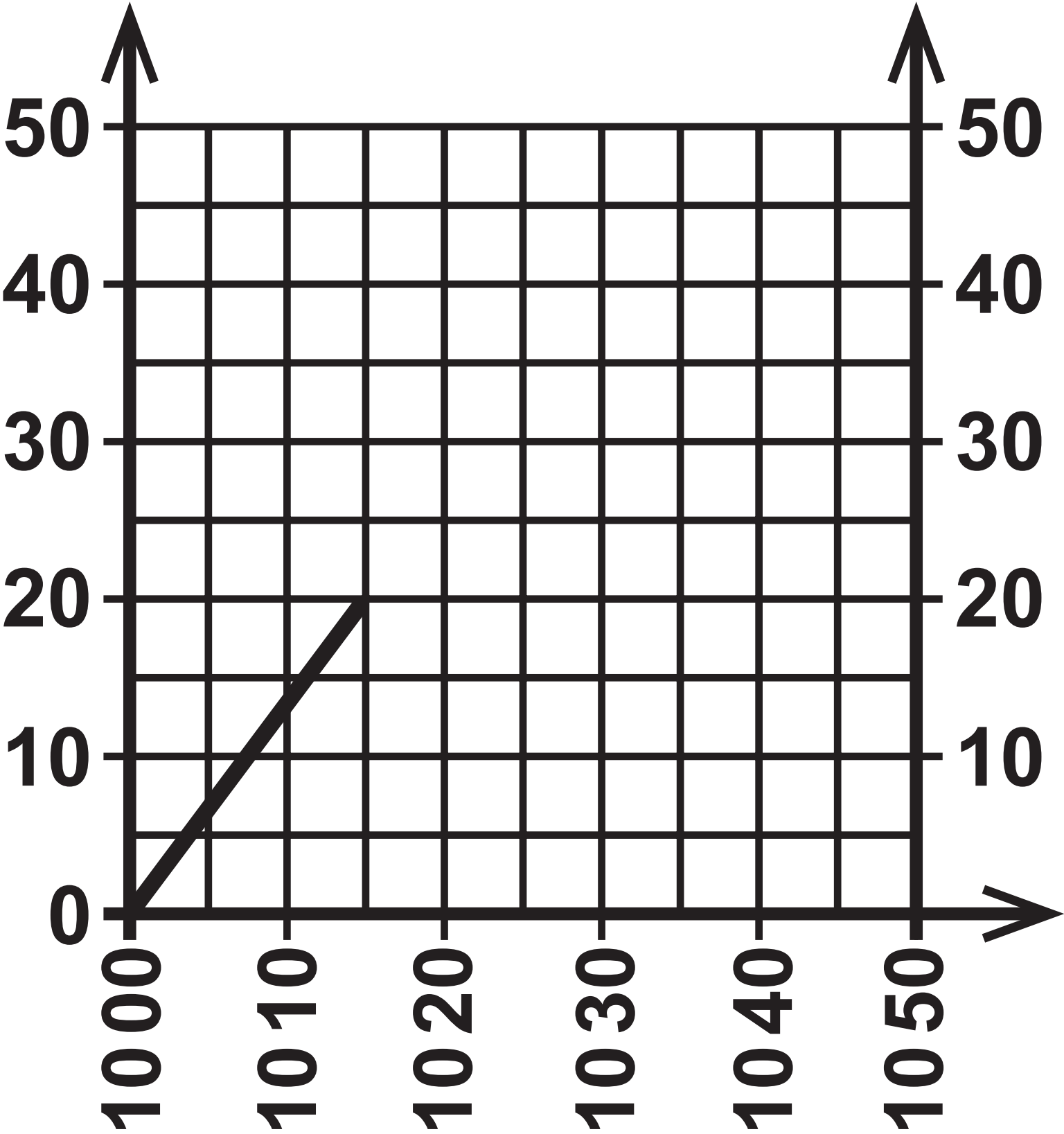


Time of day



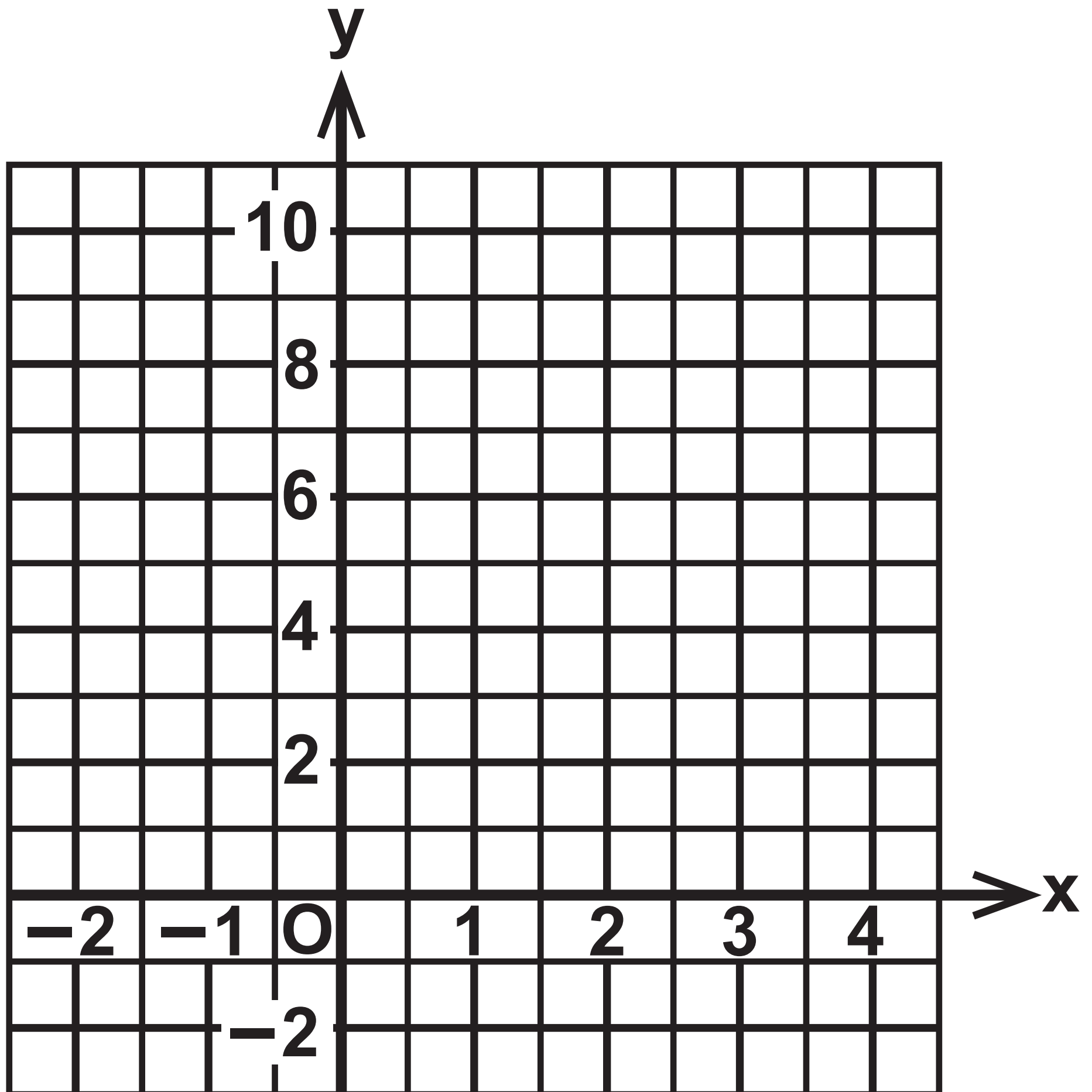
Question 3

Distance  
travelled  
(kilometres)

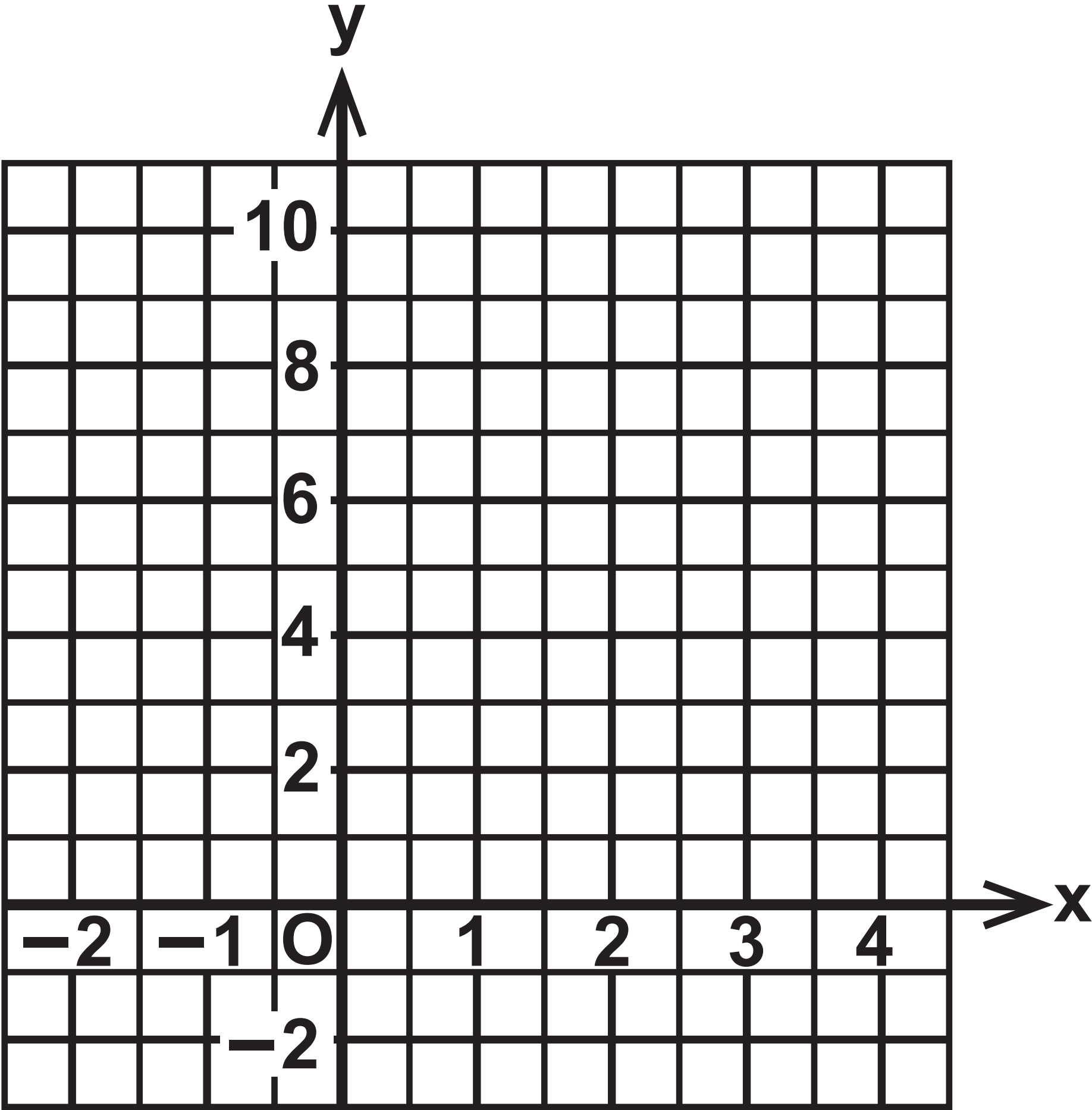


Time of day

# Question 4(b)



Question 4(b)



# Question 5

Diagram 1

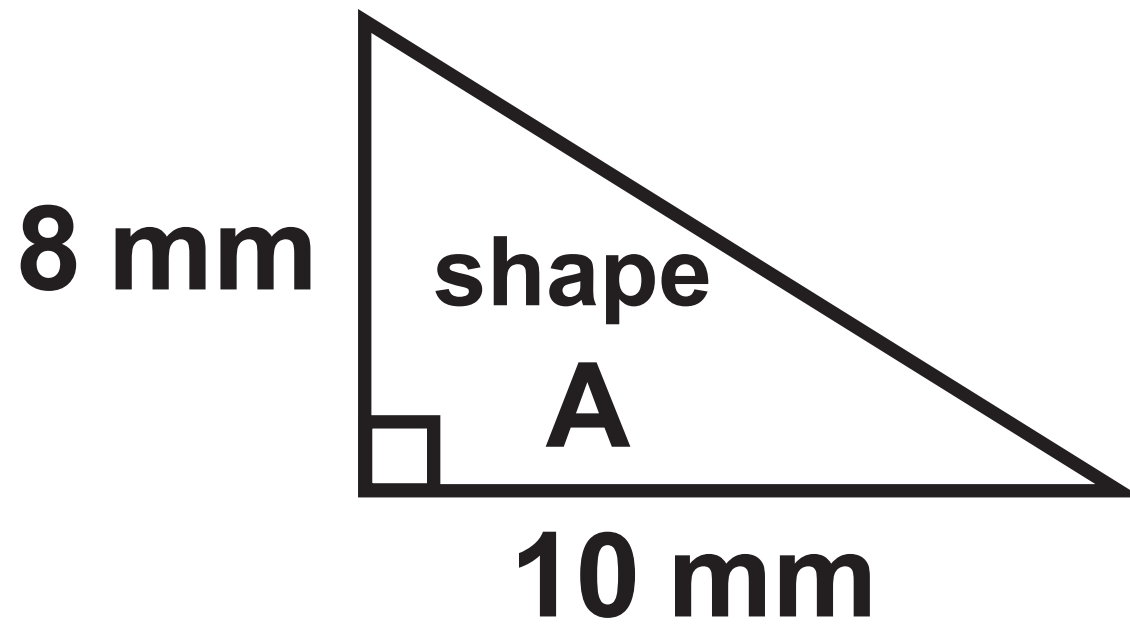
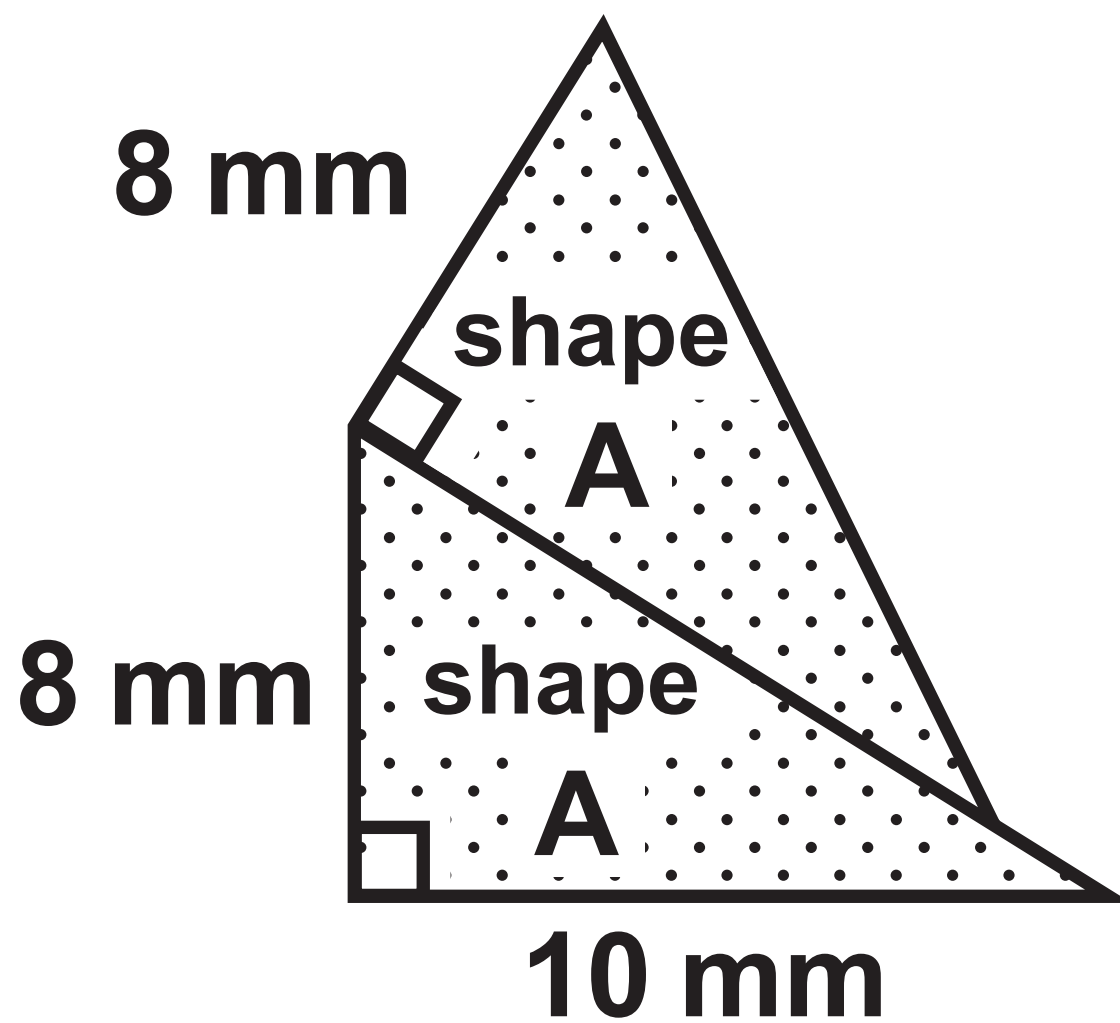
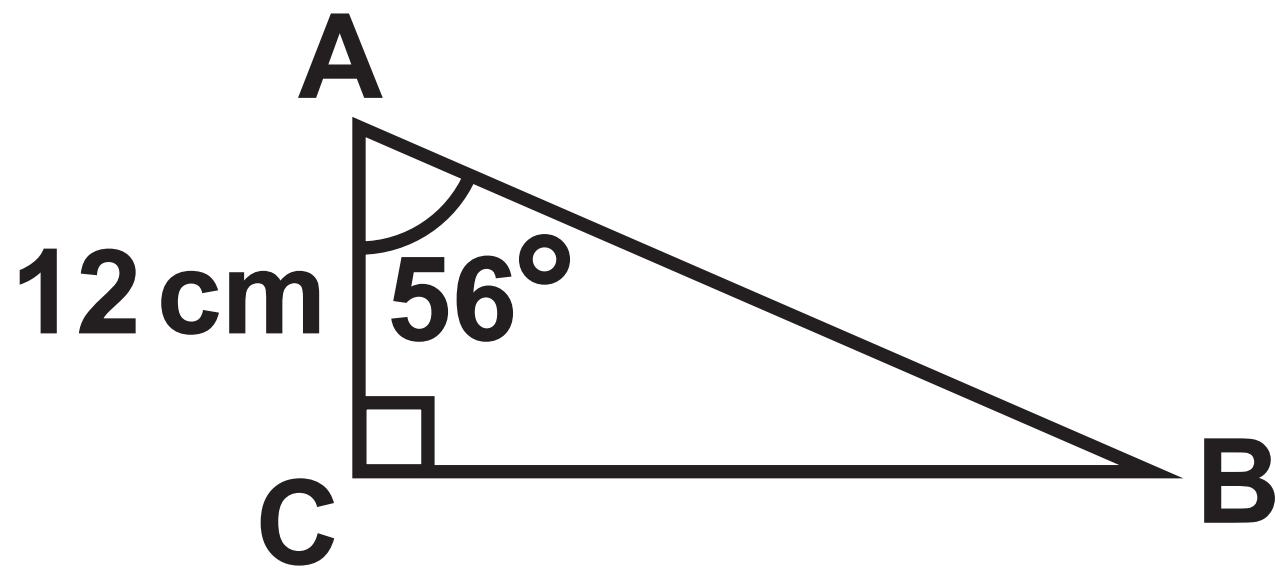


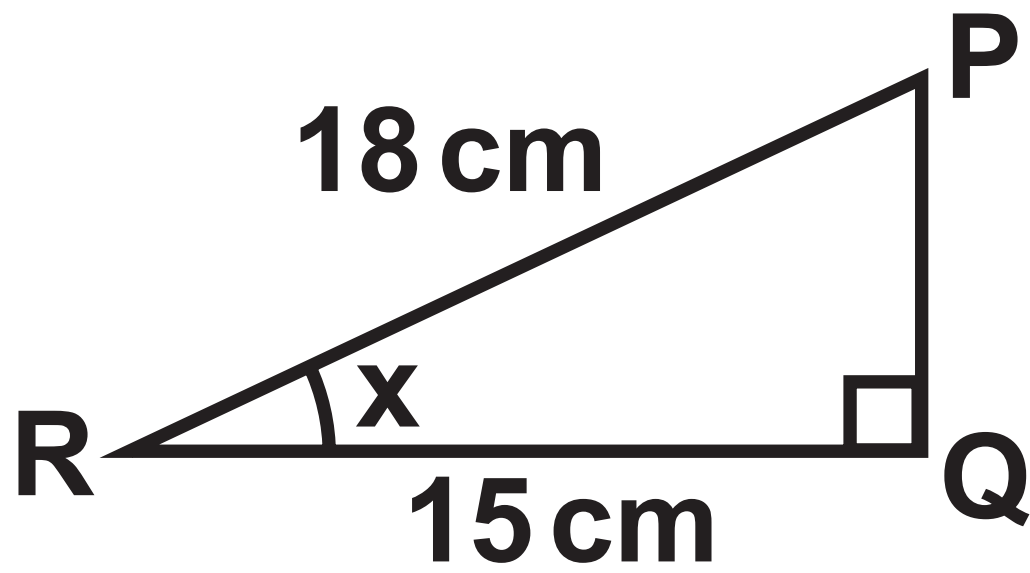
Diagram 2



## Question 6(a)



## Question 6(b)



## Question 8

Table 1

<b>Time (t minutes)</b>	<b>Frequency</b>
<b><math>0 &lt; t \leq 10</math></b>	<b>5</b>
<b><math>10 &lt; t \leq 20</math></b>	<b>8</b>
<b><math>20 &lt; t \leq 30</math></b>	<b>12</b>
<b><math>30 &lt; t \leq 40</math></b>	<b>15</b>
<b><math>40 &lt; t \leq 50</math></b>	<b>7</b>
<b><math>50 &lt; t \leq 60</math></b>	<b>3</b>

## Question 8

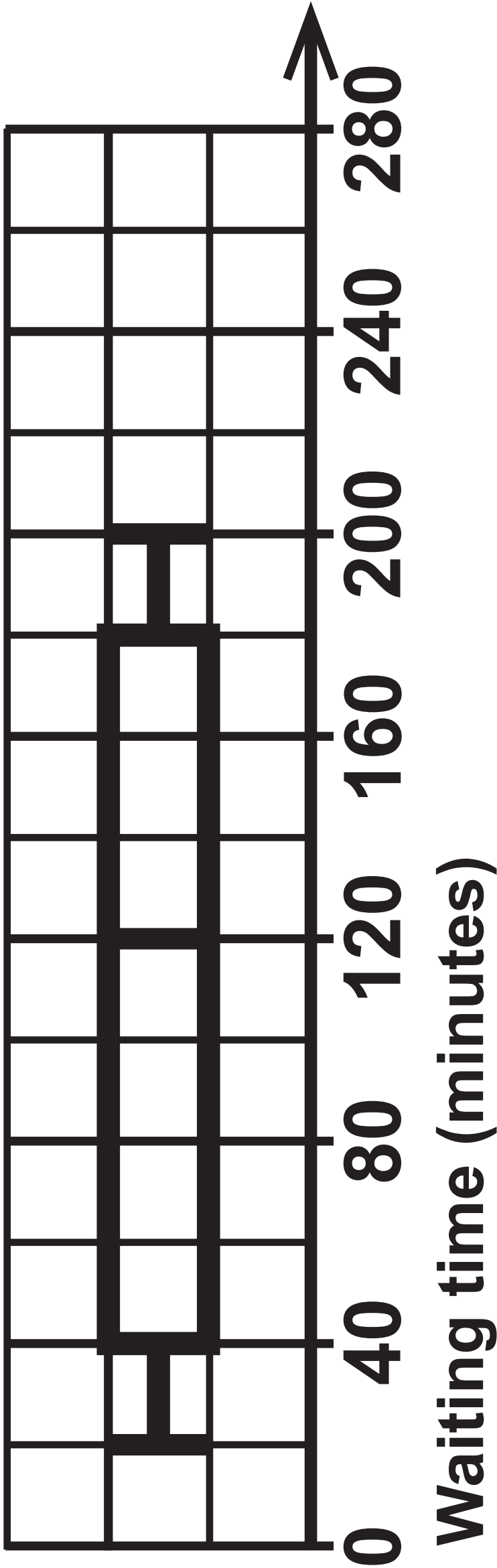
Table 2

<b>Time (t minutes)</b>	<b>Cumulative frequency</b>
<b><math>0 &lt; t \leq 10</math></b>	<b>5</b>
<b><math>10 &lt; t \leq 20</math></b>	<b>13</b>
<b><math>20 &lt; t \leq 30</math></b>	<b>25</b>
<b><math>30 &lt; t \leq 40</math></b>	<b>40</b>
<b><math>40 &lt; t \leq 50</math></b>	<b>47</b>
<b><math>50 &lt; t \leq 60</math></b>	<b>50</b>



Question 9

Monday



## Question 9(c)

Tuesday

	<b>Waiting time (minutes)</b>
<b>Shortest time</b>	<b>20</b>
<b>Lower quartile</b>	<b>40</b>
<b>Median</b>	<b>100</b>
<b>Upper quartile</b>	<b>140</b>
<b>Longest time</b>	<b>210</b>

## Question 10

**Better Investments  
(Louise)**

**Compound Interest**

**2.5% per annum**

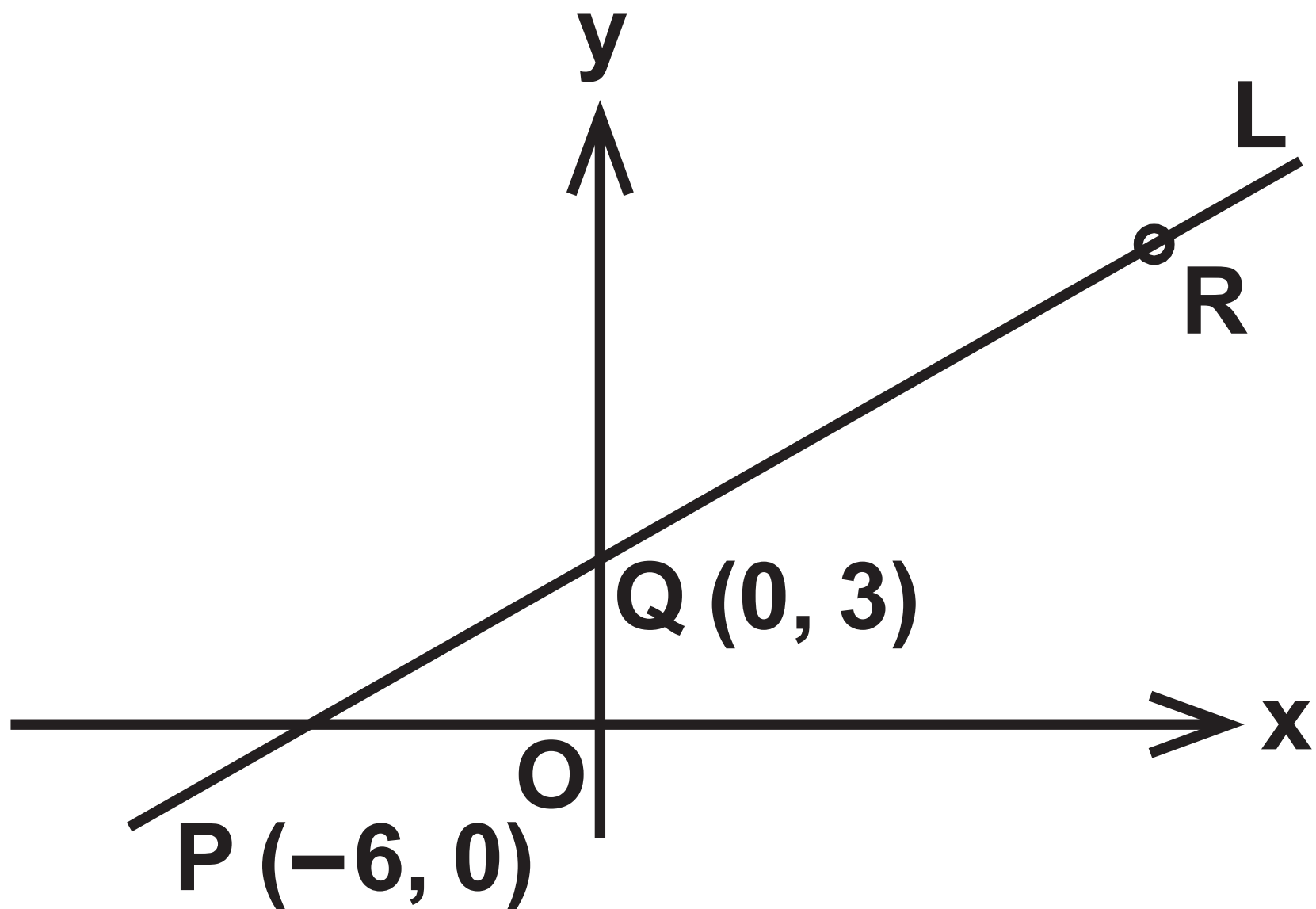
**County Bank (Sadiq)**

**Compound Interest**

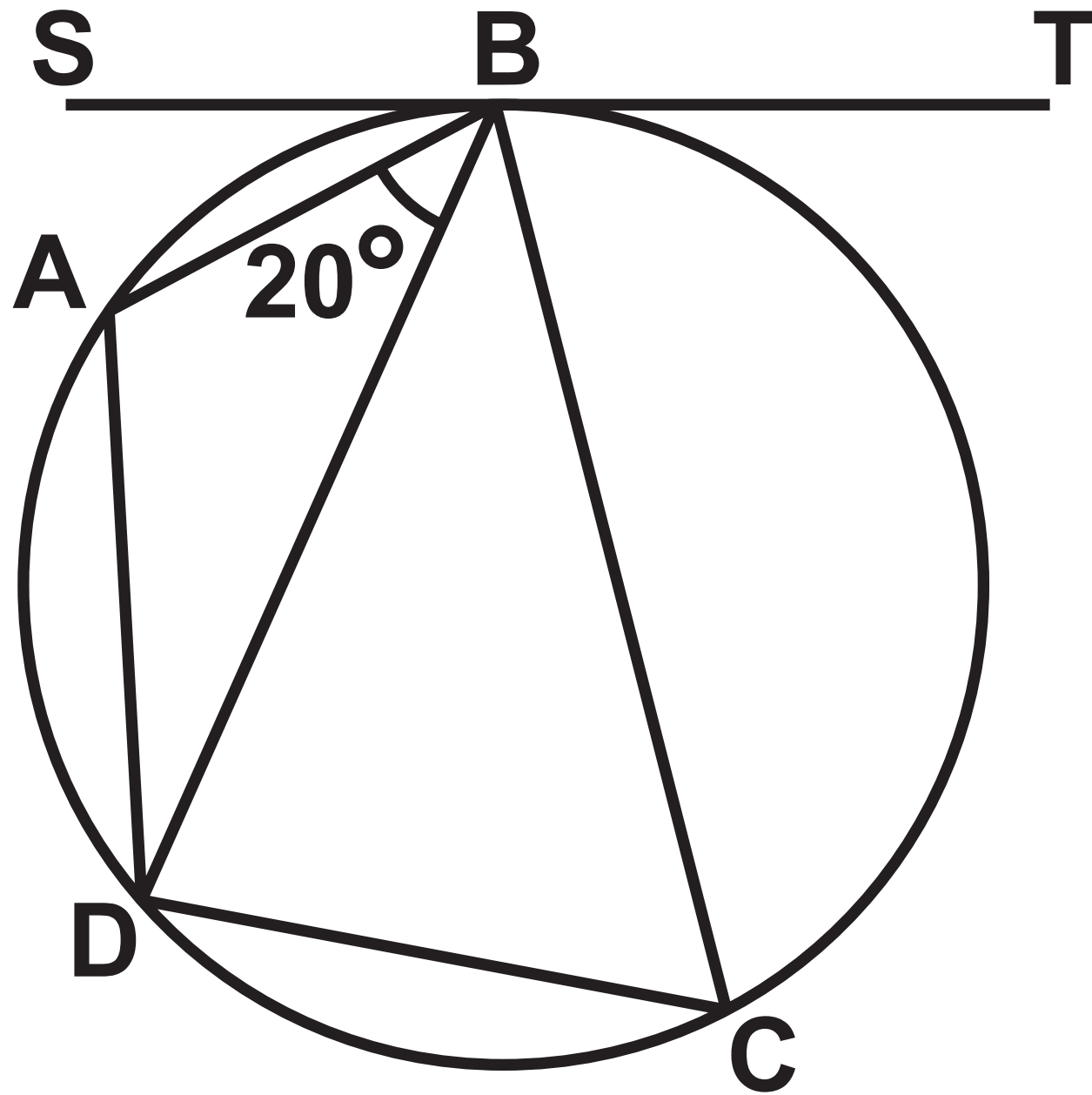
**2% per annum for the  
first two years**

**3.5% per annum for  
each extra year**

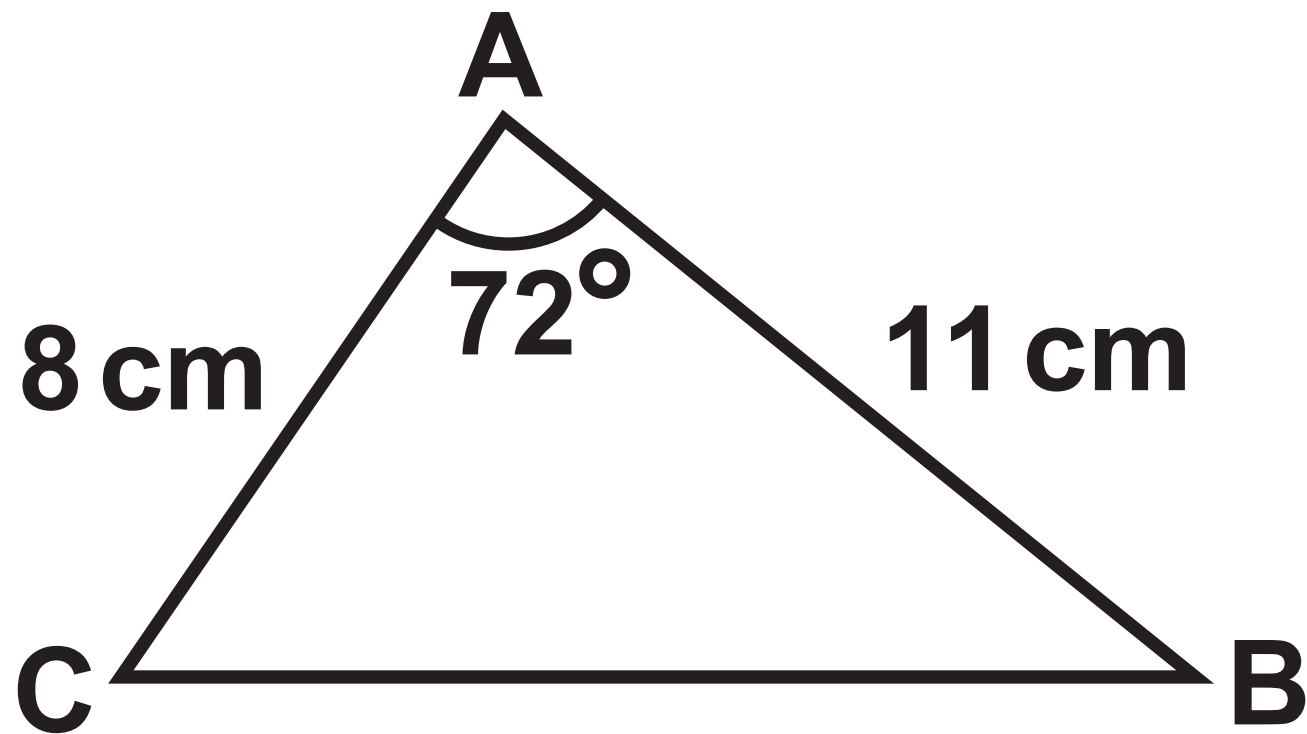
## Question 11



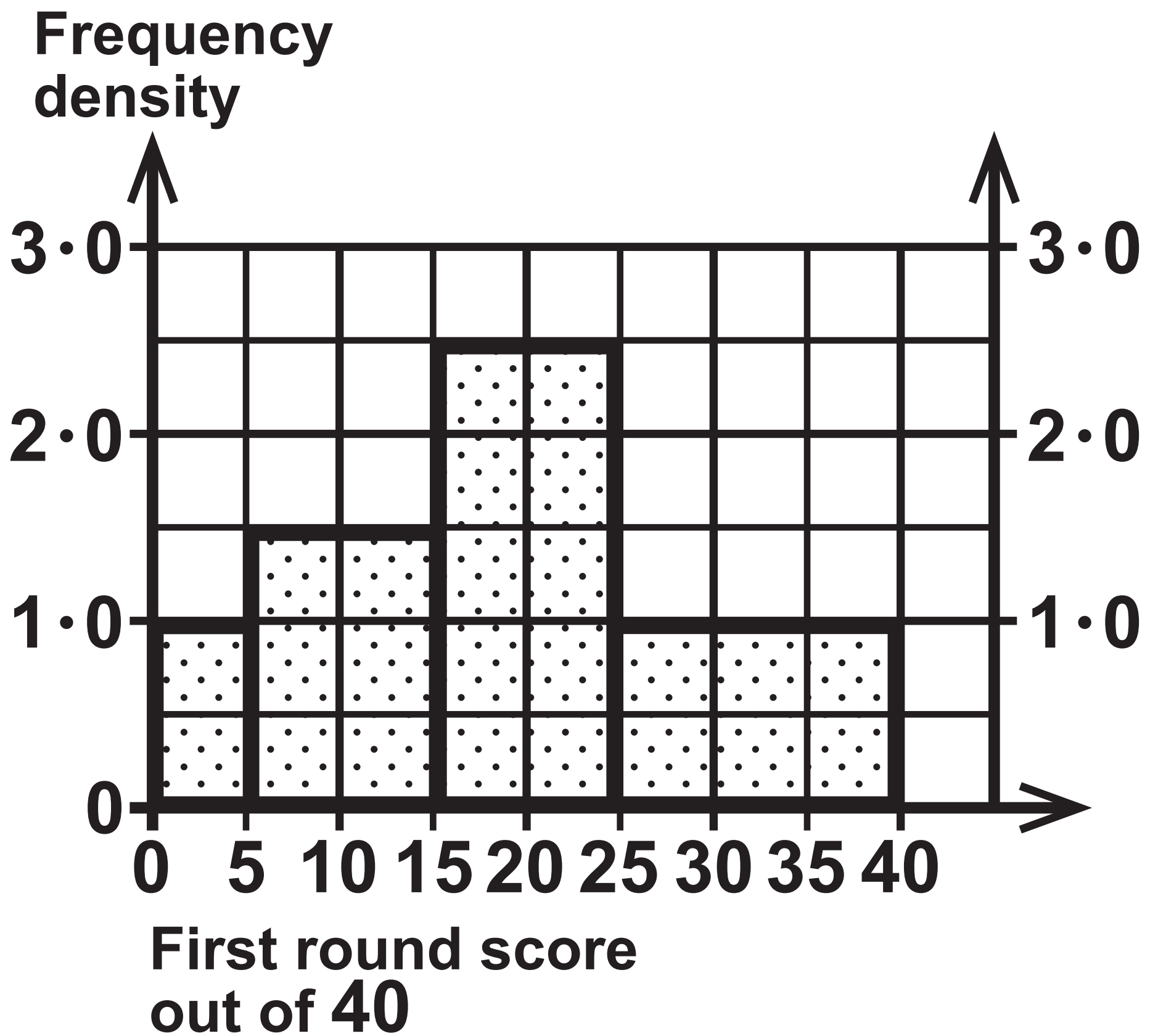
Question 14



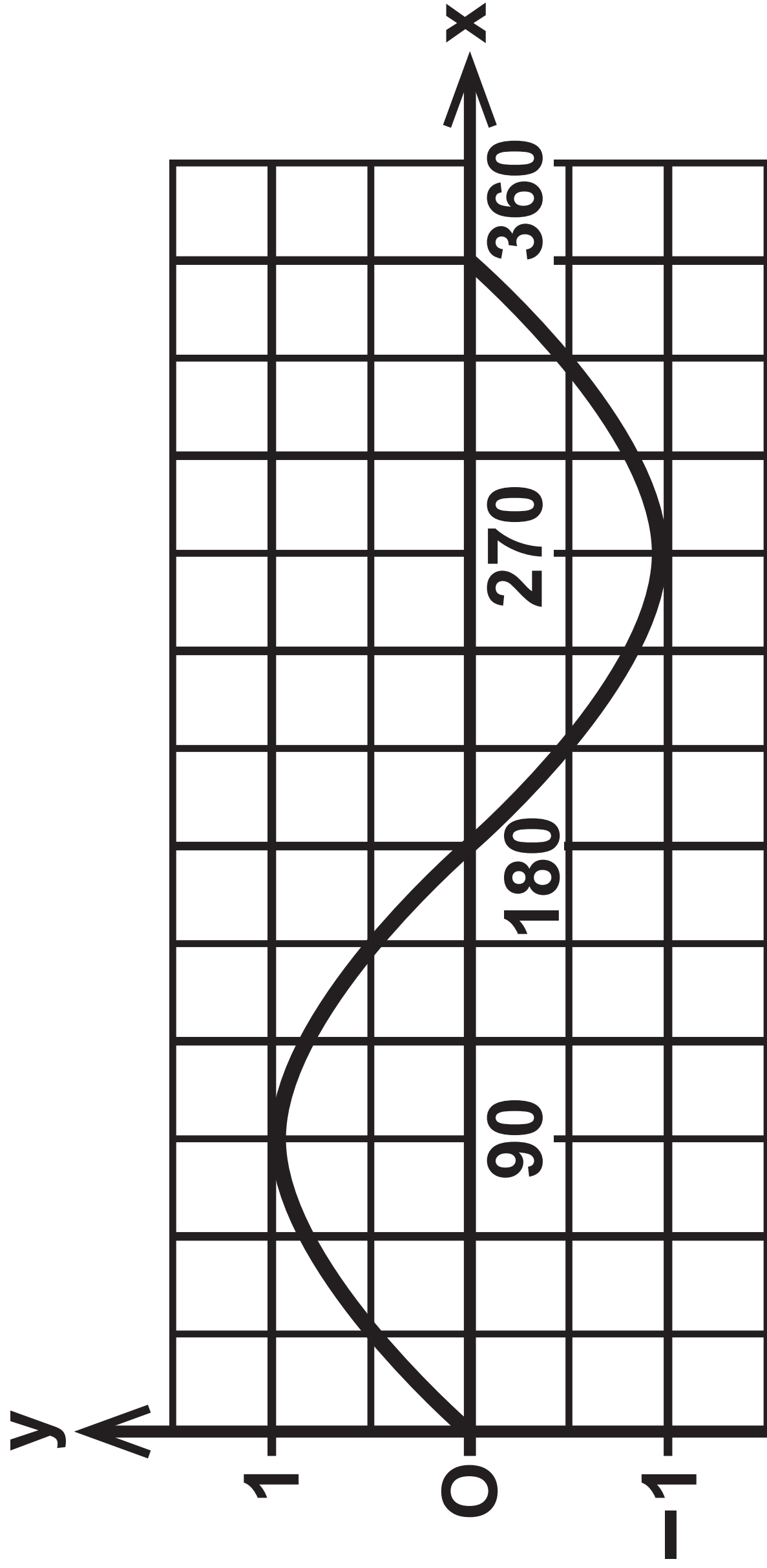
## Question 15



## Question 17

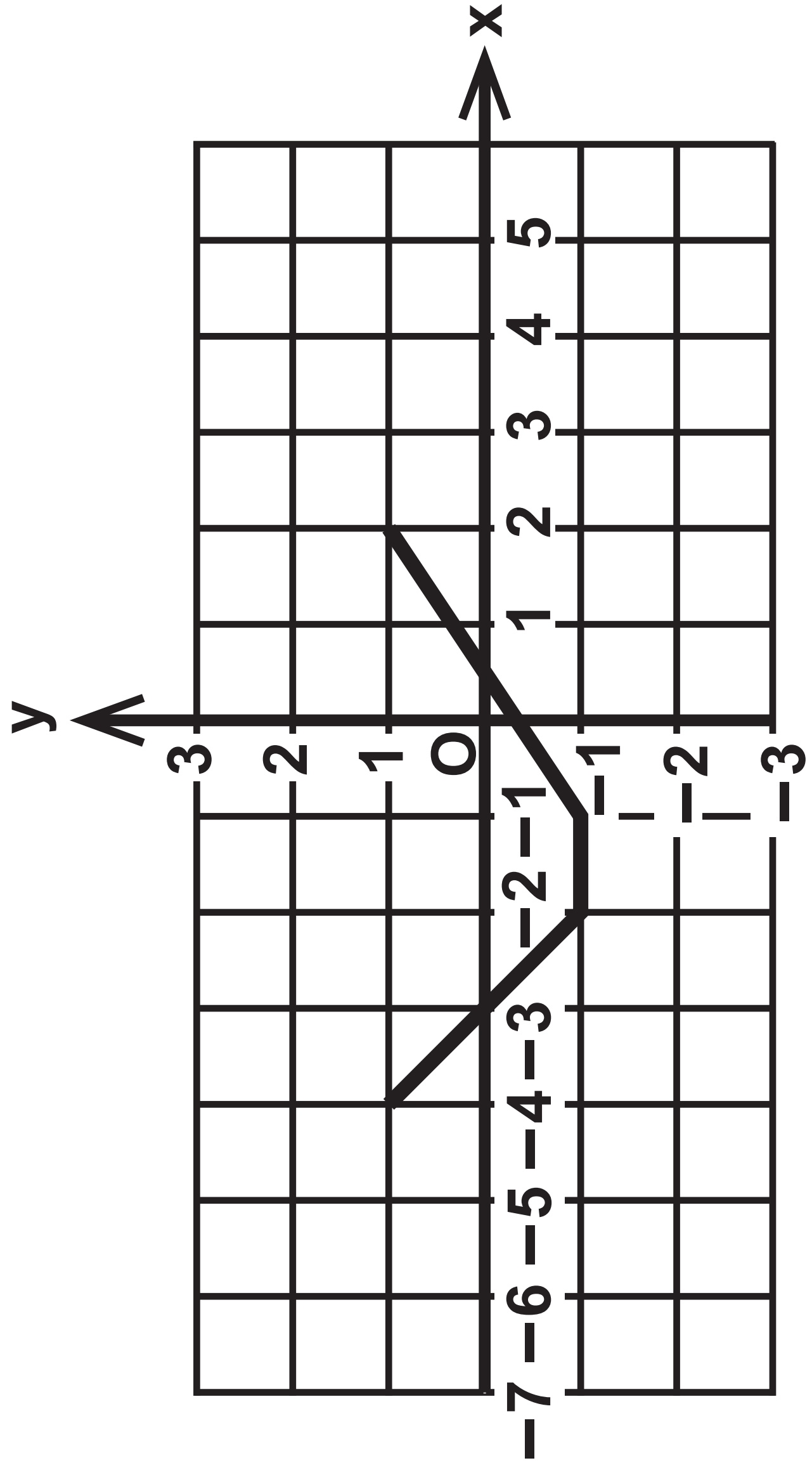


Questions 18(a) and 18(b)





Question 18(c)



Question 18(c)

