

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.

Surname					
Other names					
Centre Number					
Candidate Number					

## INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

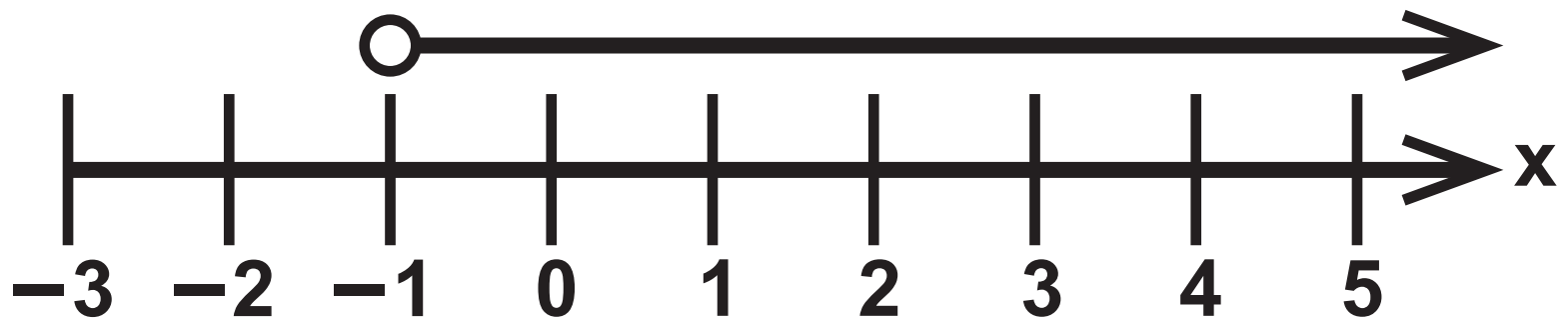
**THIS DIAGRAM BOOKLET *MUST* BE RETURNED  
WITH THE QUESTION PAPER AT THE END OF THE  
EXAMINATION.**

## **Contents**

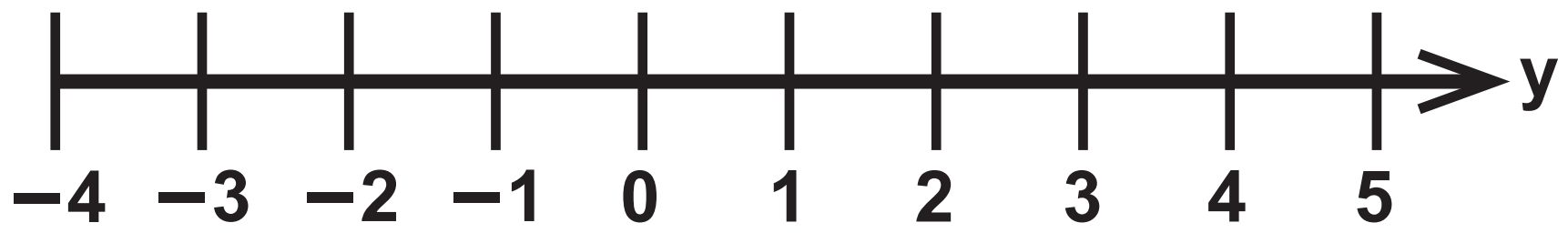
### **Page**

<b>4</b>	<b>Question 1(a)</b>
<b>5</b>	<b>Question 1(b)</b>
<b>6</b>	<b>Question 1(b) (Spare copy)</b>
<b>7</b>	<b>Question 3</b>
<b>8</b>	<b>Question 3 (Spare copy)</b>
<b>9</b>	<b>Question 4(b)</b>
<b>10</b>	<b>Question 4(b) (Spare copy)</b>
<b>11</b>	<b>Question 5</b>
<b>12</b>	<b>Question 6(a)</b>
<b>13</b>	<b>Question 6(b)</b>
<b>14</b>	<b>Question 8</b>
<b>15</b>	<b>Question 9 and Question 9(c)</b>
<b>16</b>	<b>Question 10</b>
<b>17</b>	<b>Question 11</b>
<b>18</b>	<b>Question 14</b>
<b>19</b>	<b>Question 15</b>
<b>20</b>	<b>Question 17</b>
<b>21</b>	<b>Questions 18(a) and 18(b)</b>
<b>22</b>	<b>Question 18(c)</b>
<b>23</b>	<b>Question 18(c) (Spare copy)</b>

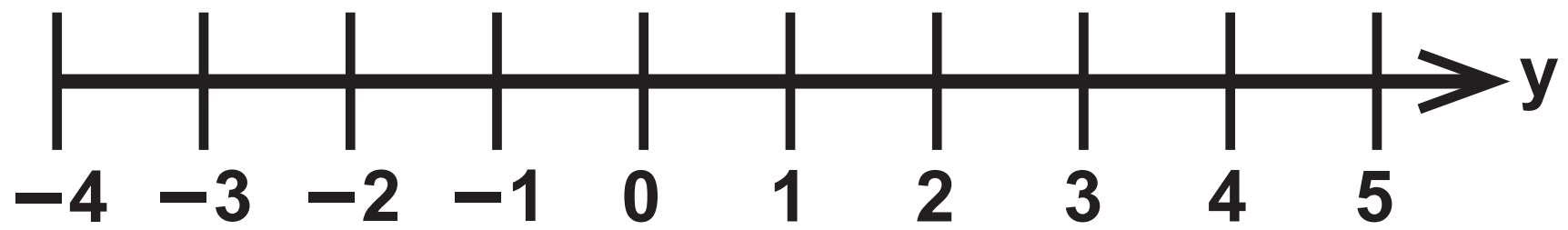
Question 1(a)



Question 1(b)

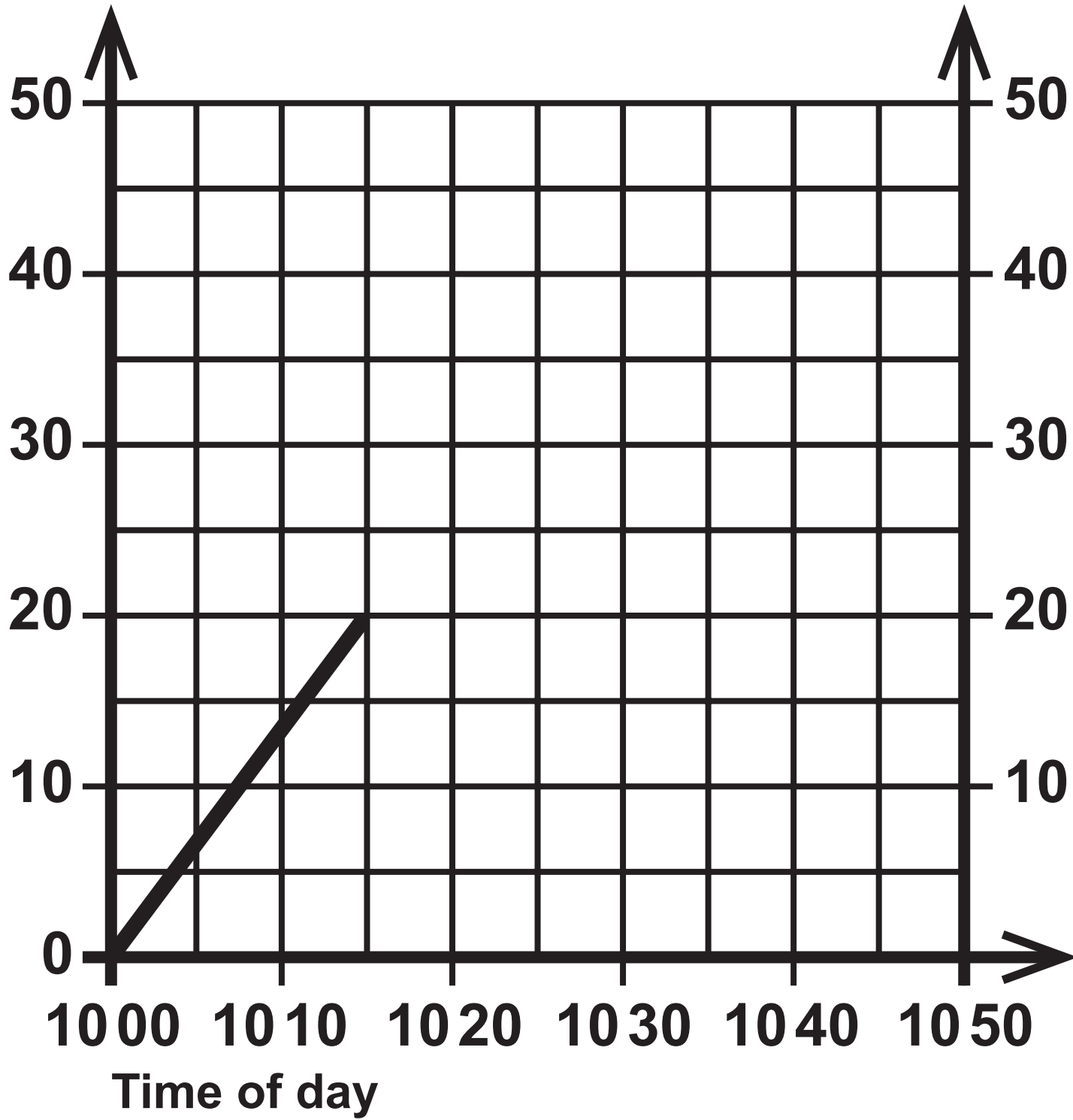


Question 1(b)



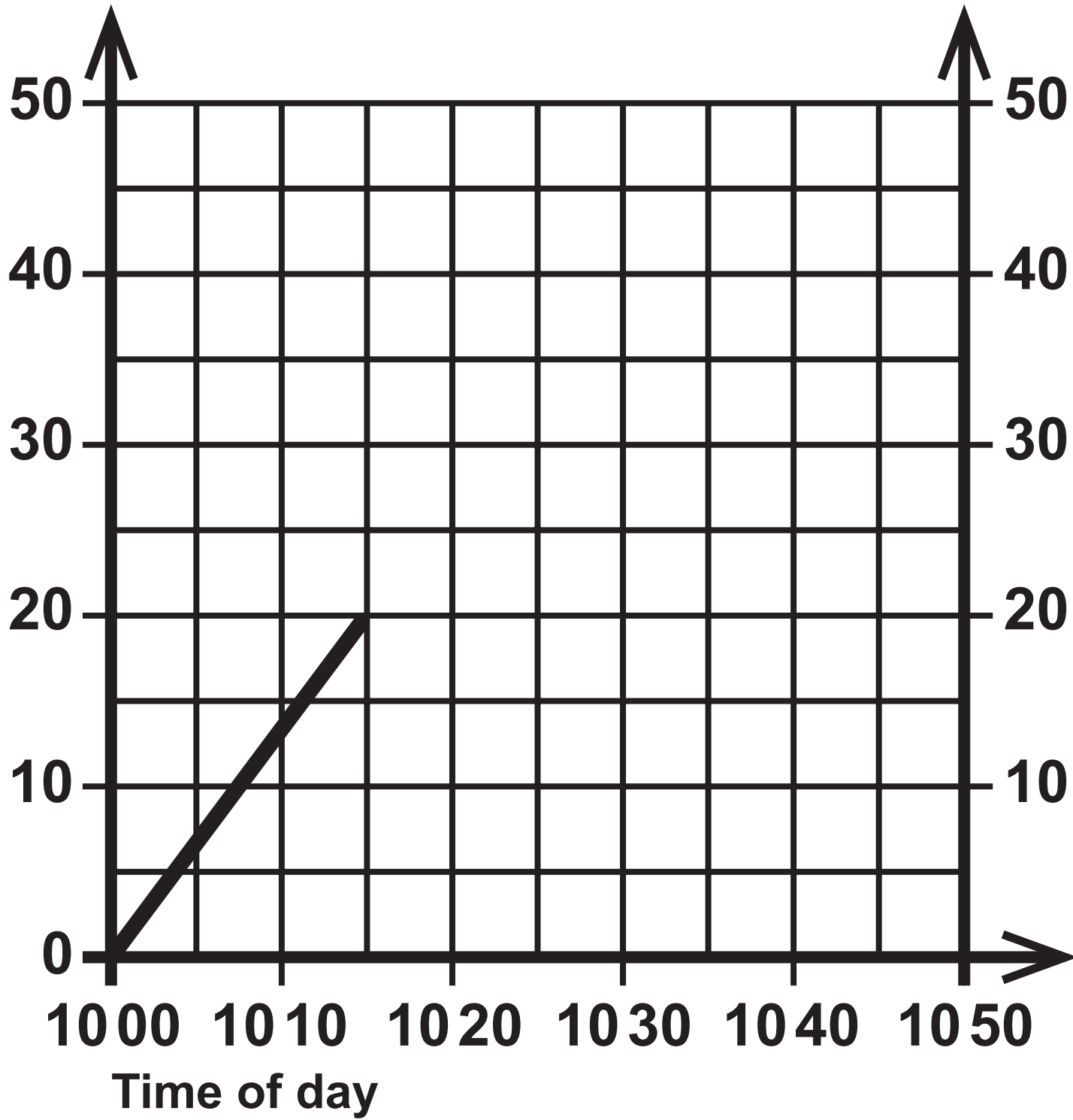
## Question 3

Distance  
travelled  
(kilometres)



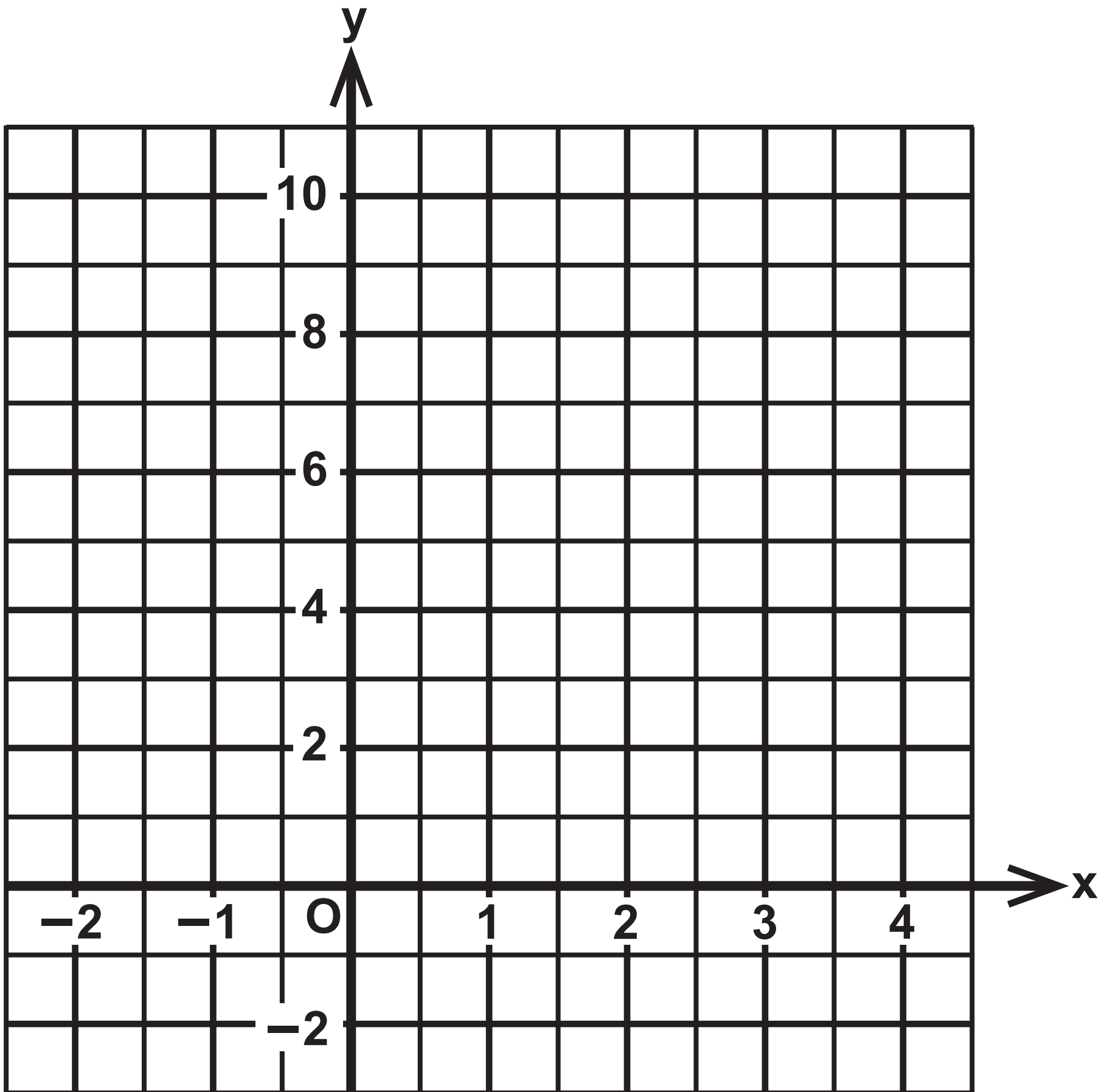
### Question 3

Distance  
travelled  
(kilometres)

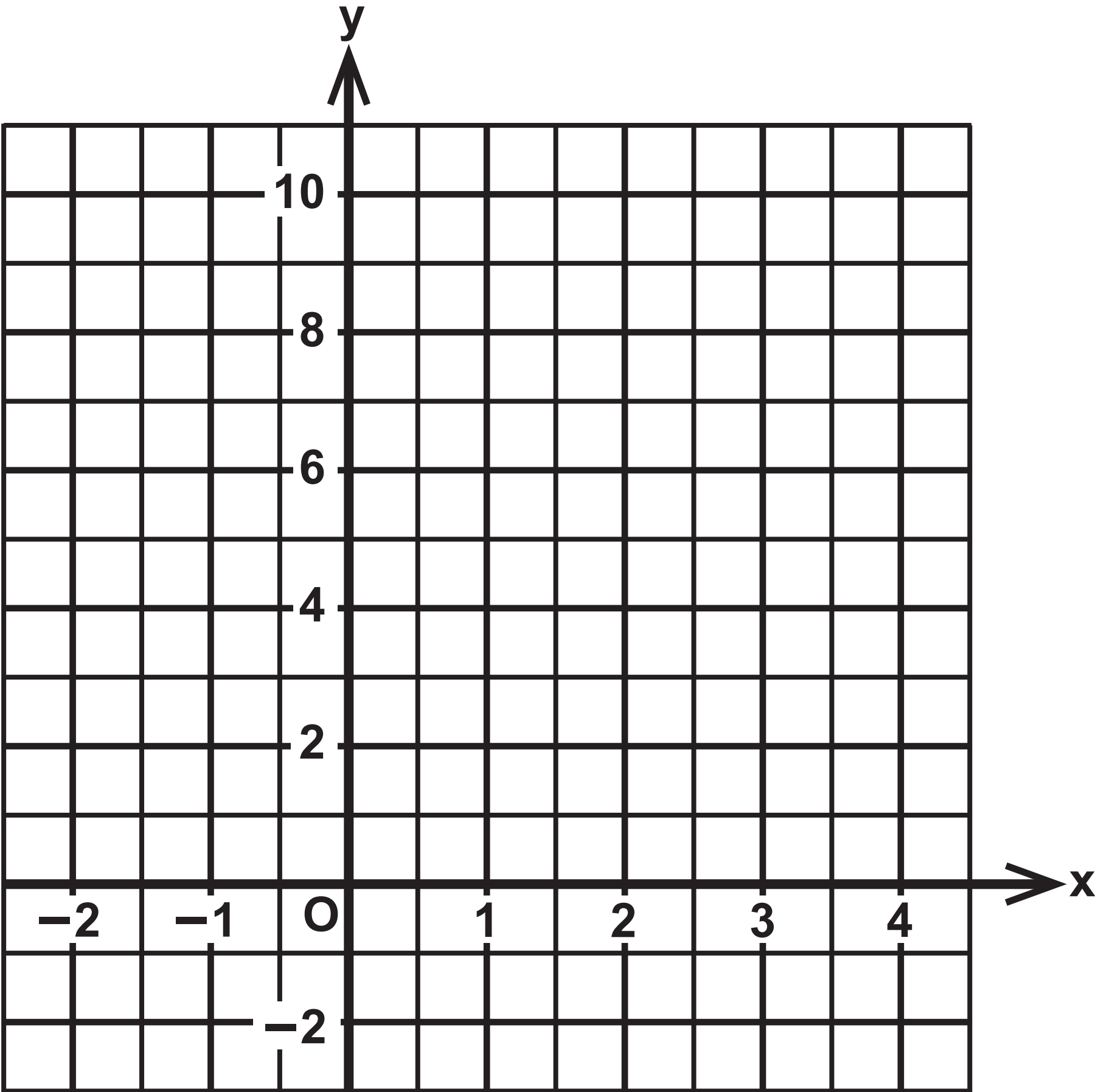




## Question 4(b)



Question 4(b)



Question 5

Diagram 1

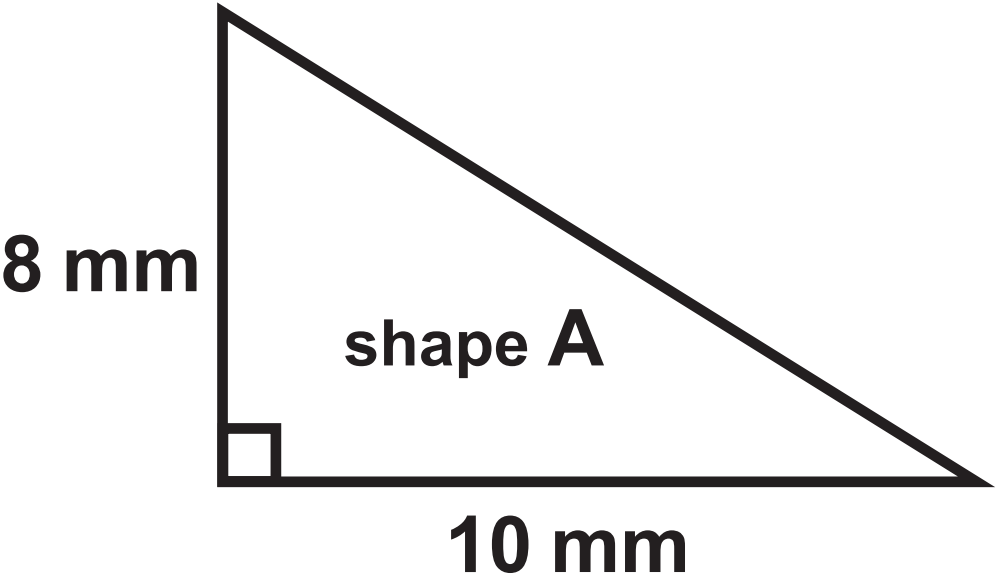
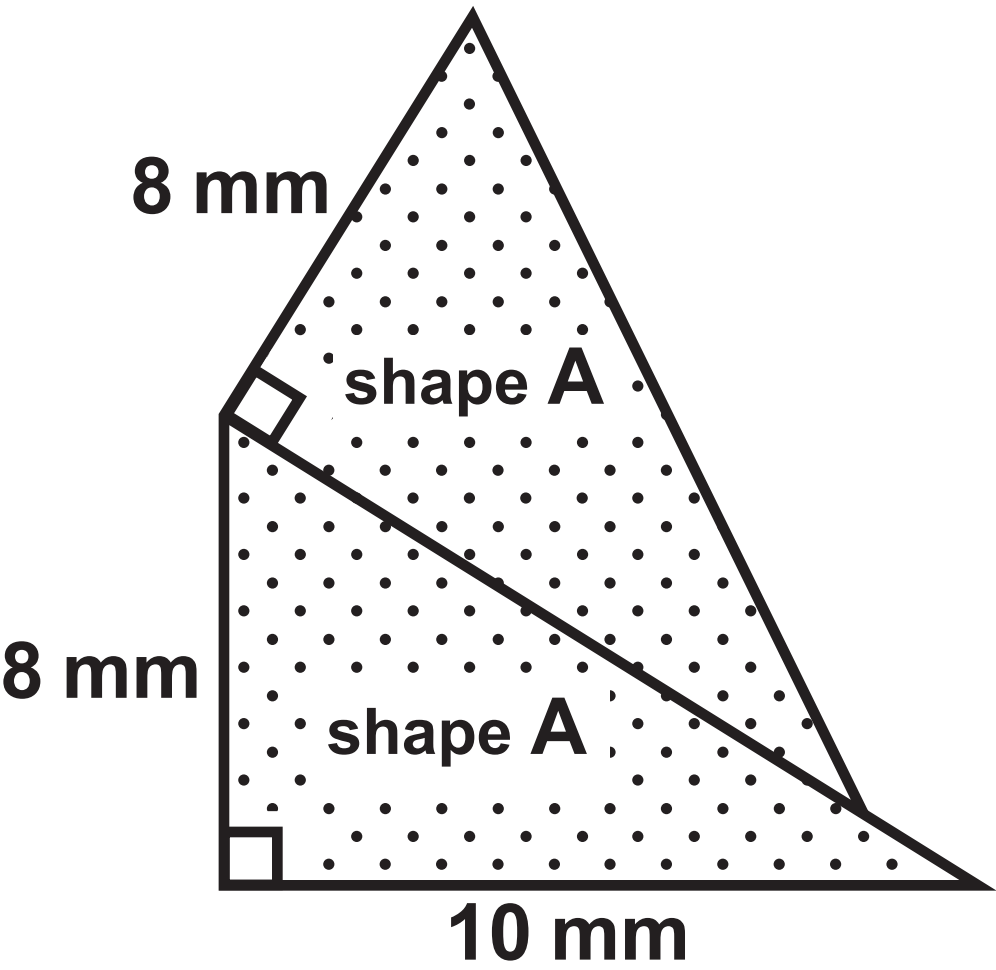
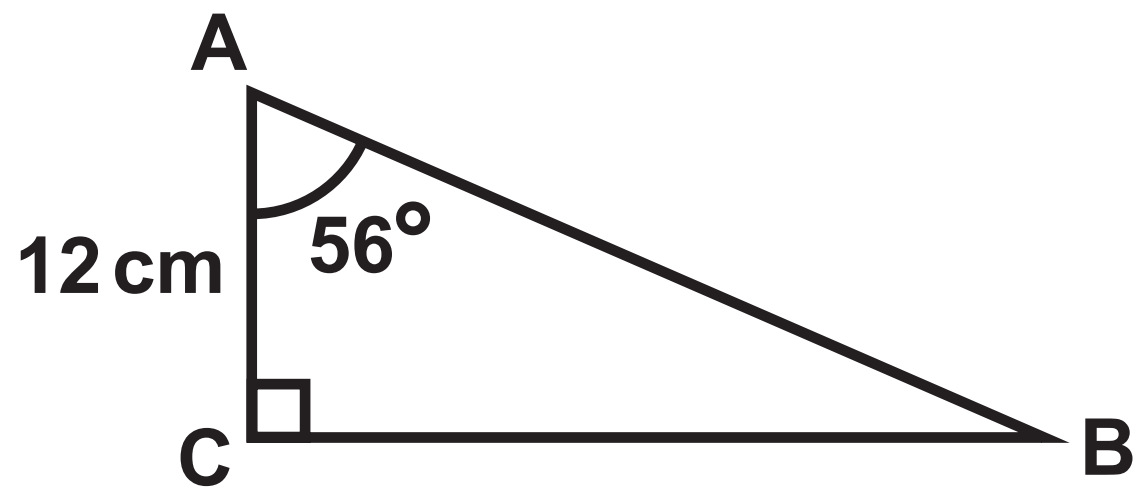


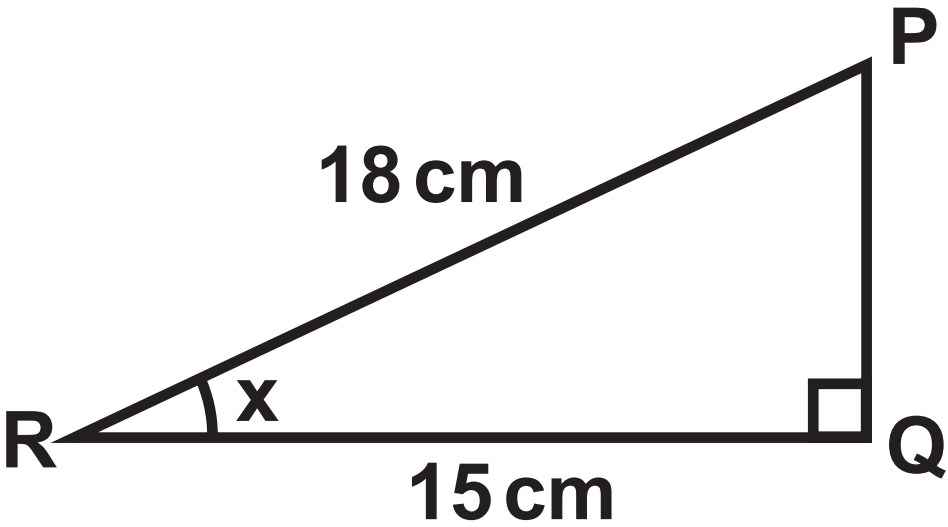
Diagram 2



## Question 6(a)



Question 6(b)



Question 8

Table 1

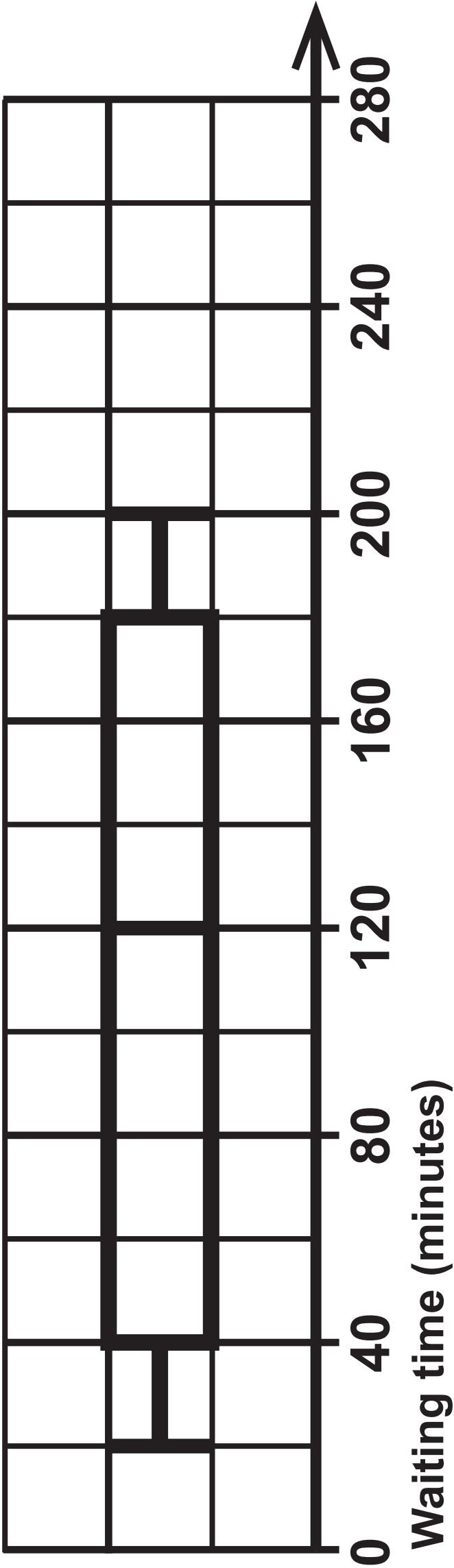
Time (t minutes)	Frequency
$0 < t \leq 10$	5
$10 < t \leq 20$	8
$20 < t \leq 30$	12
$30 < t \leq 40$	15
$40 < t \leq 50$	7
$50 < t \leq 60$	3

Table 2

Time (t minutes)	Cumulative frequency
$0 < t \leq 10$	5
$10 < t \leq 20$	13
$20 < t \leq 30$	25
$30 < t \leq 40$	40
$40 < t \leq 50$	47
$50 < t \leq 60$	50

Question 9

Monday



Question 9(c)

Tuesday

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

Question 10

**Better Investments  
(Louise)**

**Compound Interest**

**2·5% per annum**

**County Bank (Sadiq)**

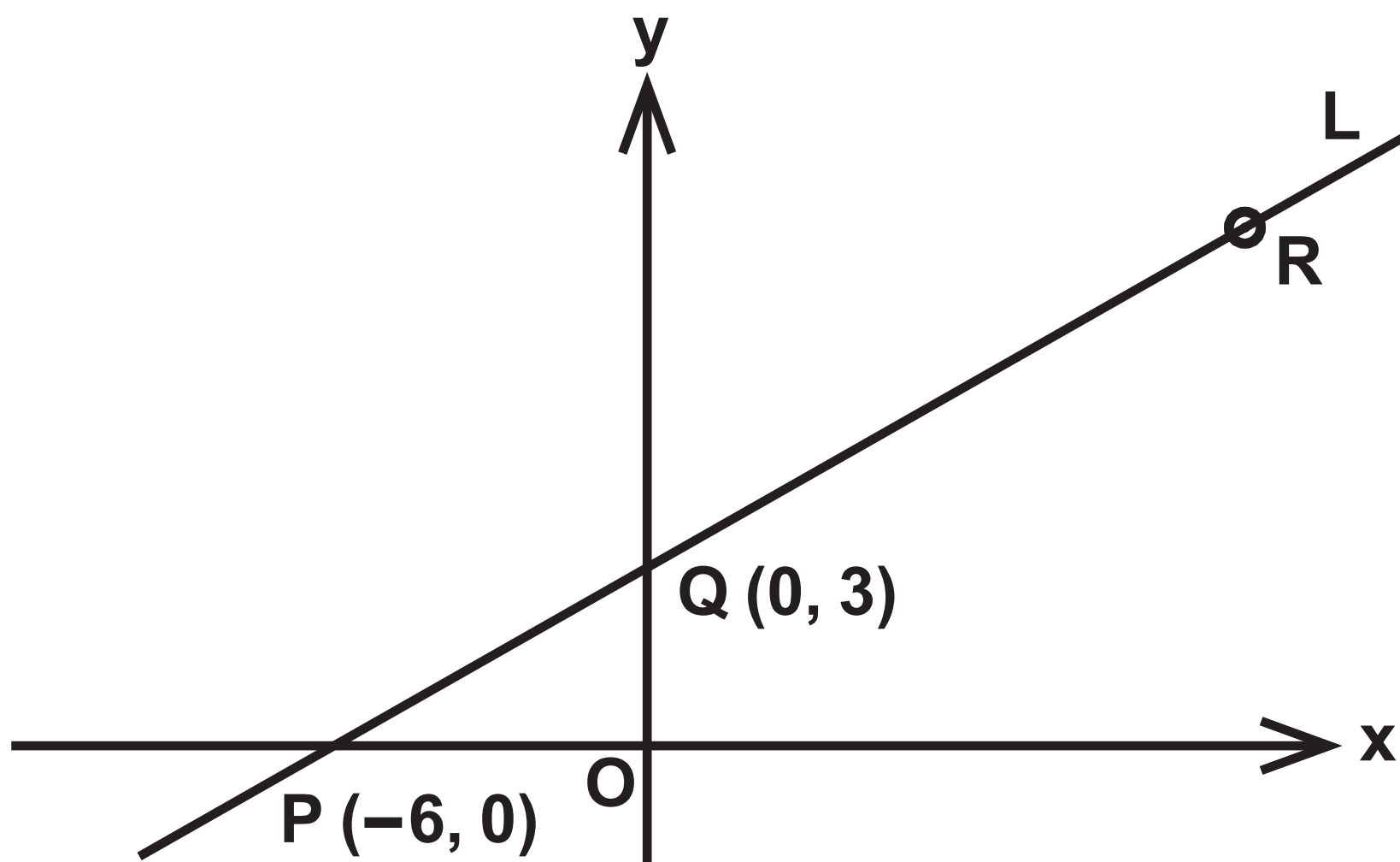
**Compound Interest**

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

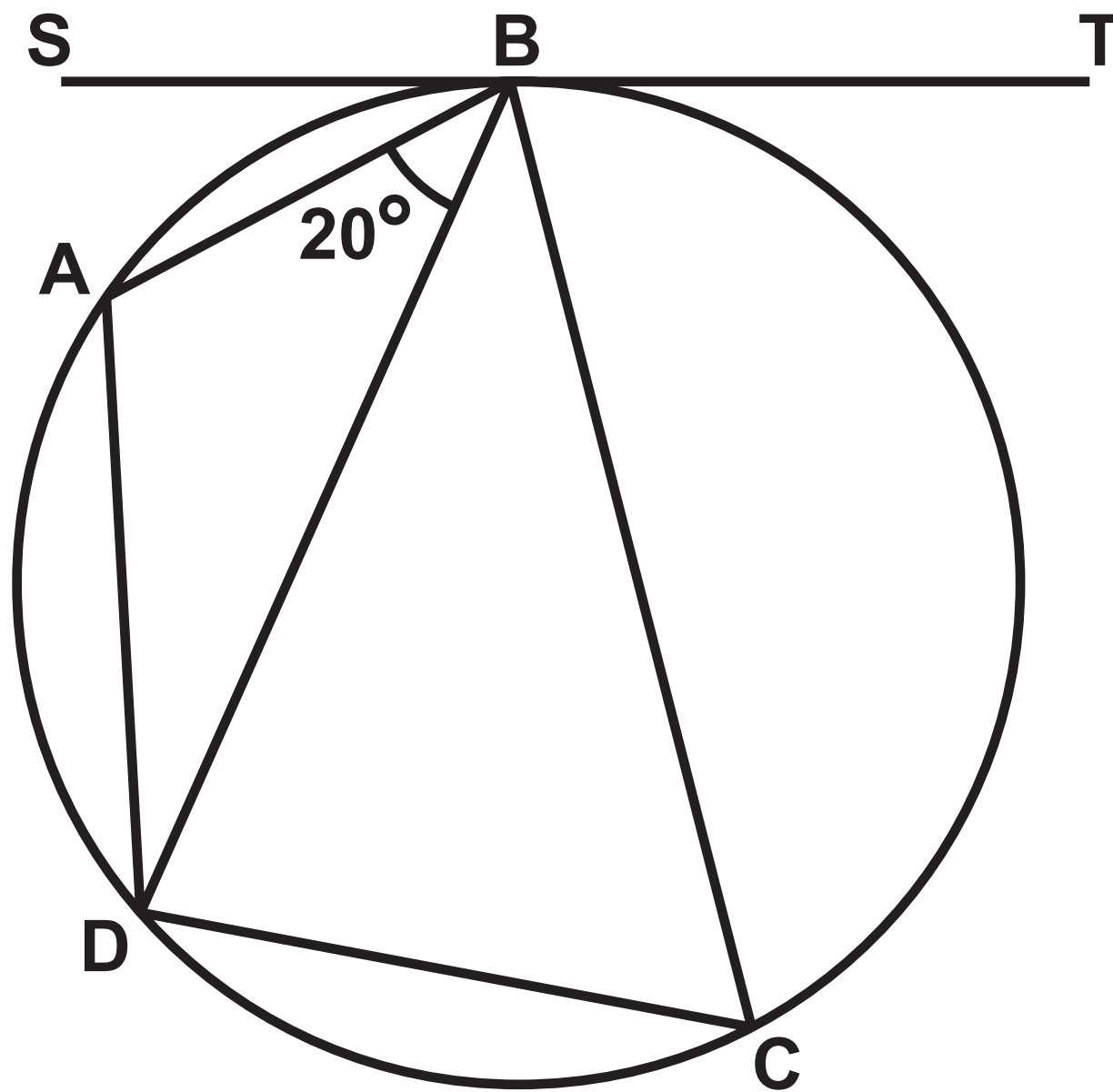
**3·5% per annum for each  
extra year**



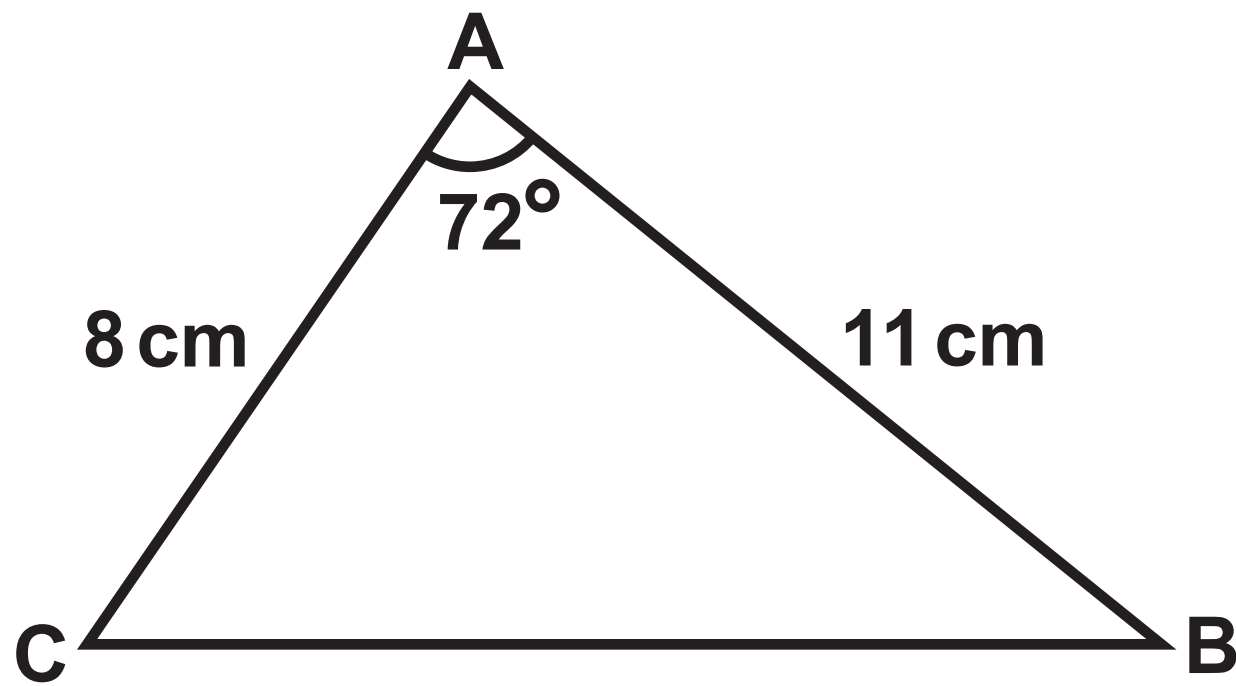
## Question 11



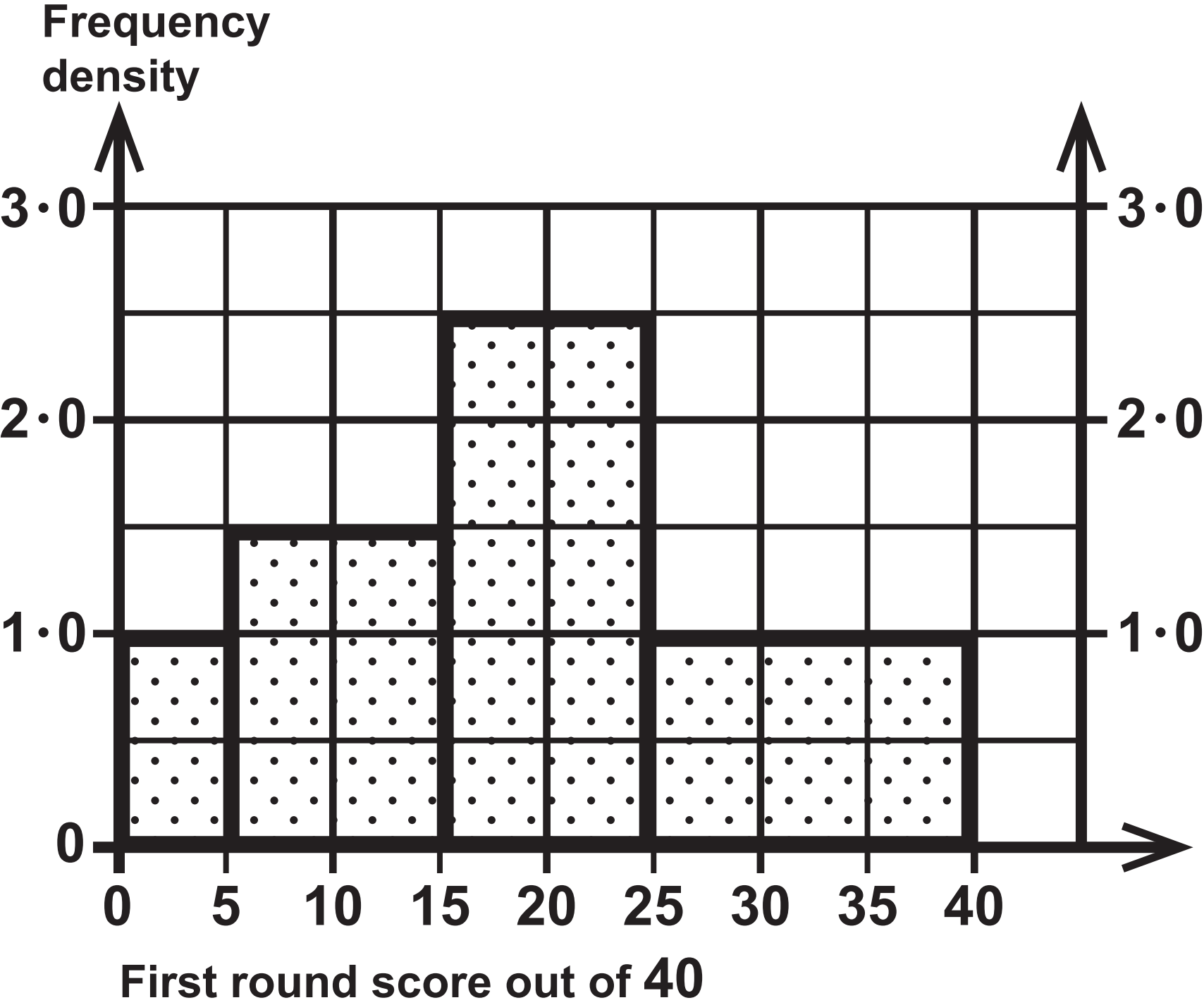
Question 14



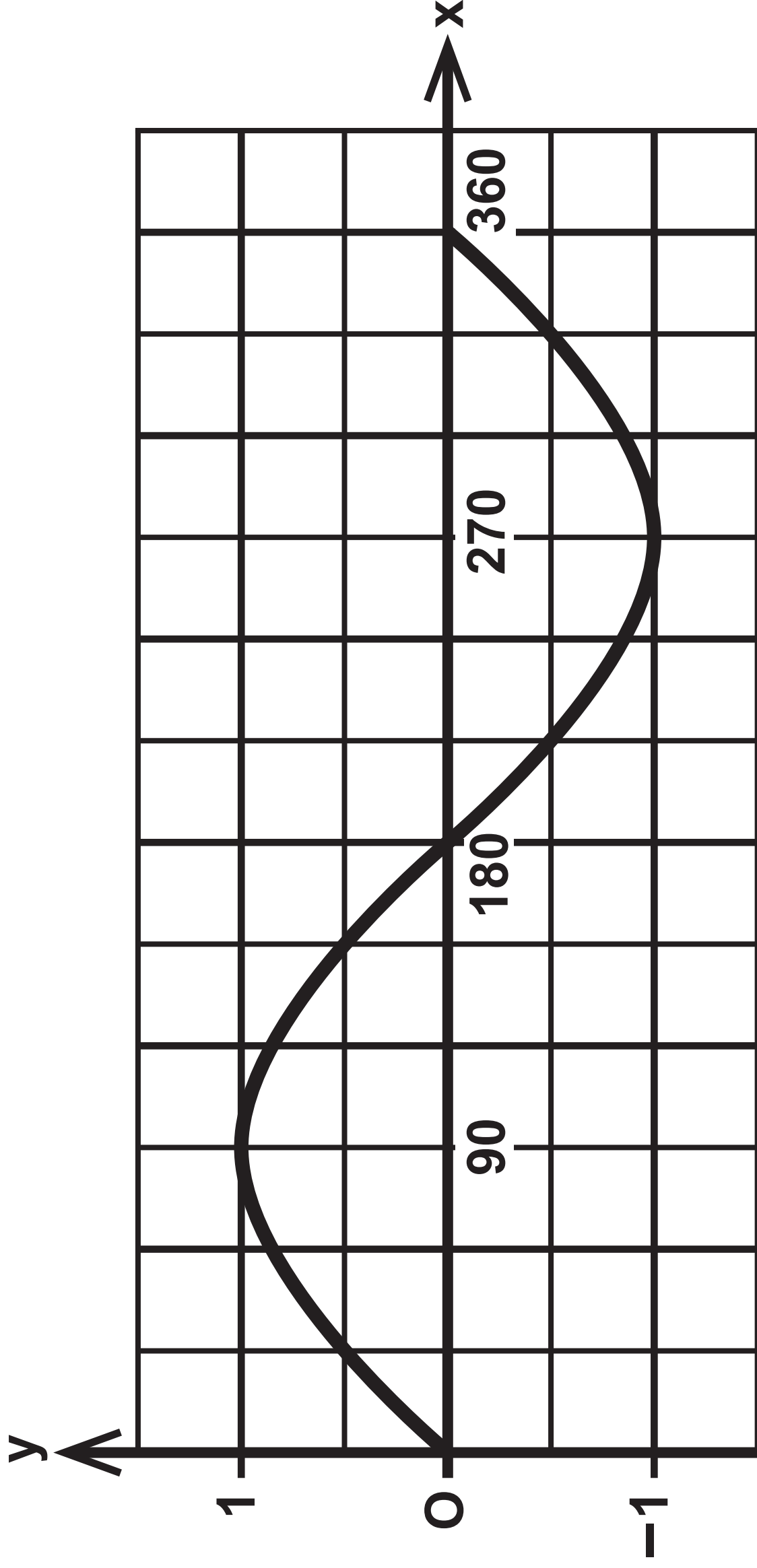
## Question 15



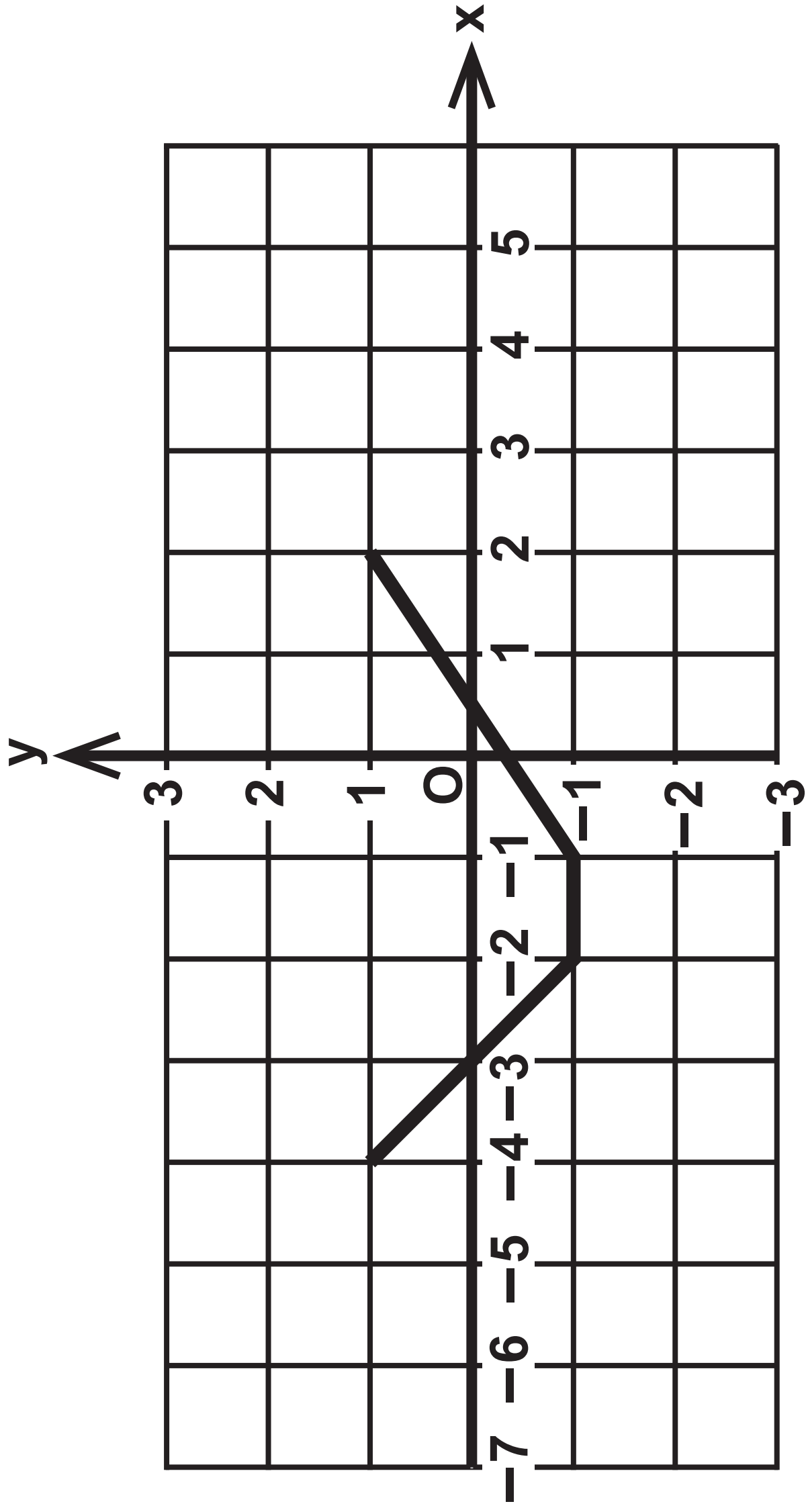
Question 17



Questions 18(a) and 18(b)



Question 18(c)



Question 18(c)

