

**Paper Reference 4MA1/2H**  
**Pearson Edexcel**  
**International GCSE**

**Mathematics A**  
**Level 1/2**  
**Paper 2H**  
**(Calculator)**  
**Higher Tier**

**Thursday 6 June 2019 – Morning**

**Diagram Book**

**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 BOOK MUST BE  
RETURNED WITH THE QUESTION  
PAPER AT THE END OF THE  
EXAMINATION.**

## Page

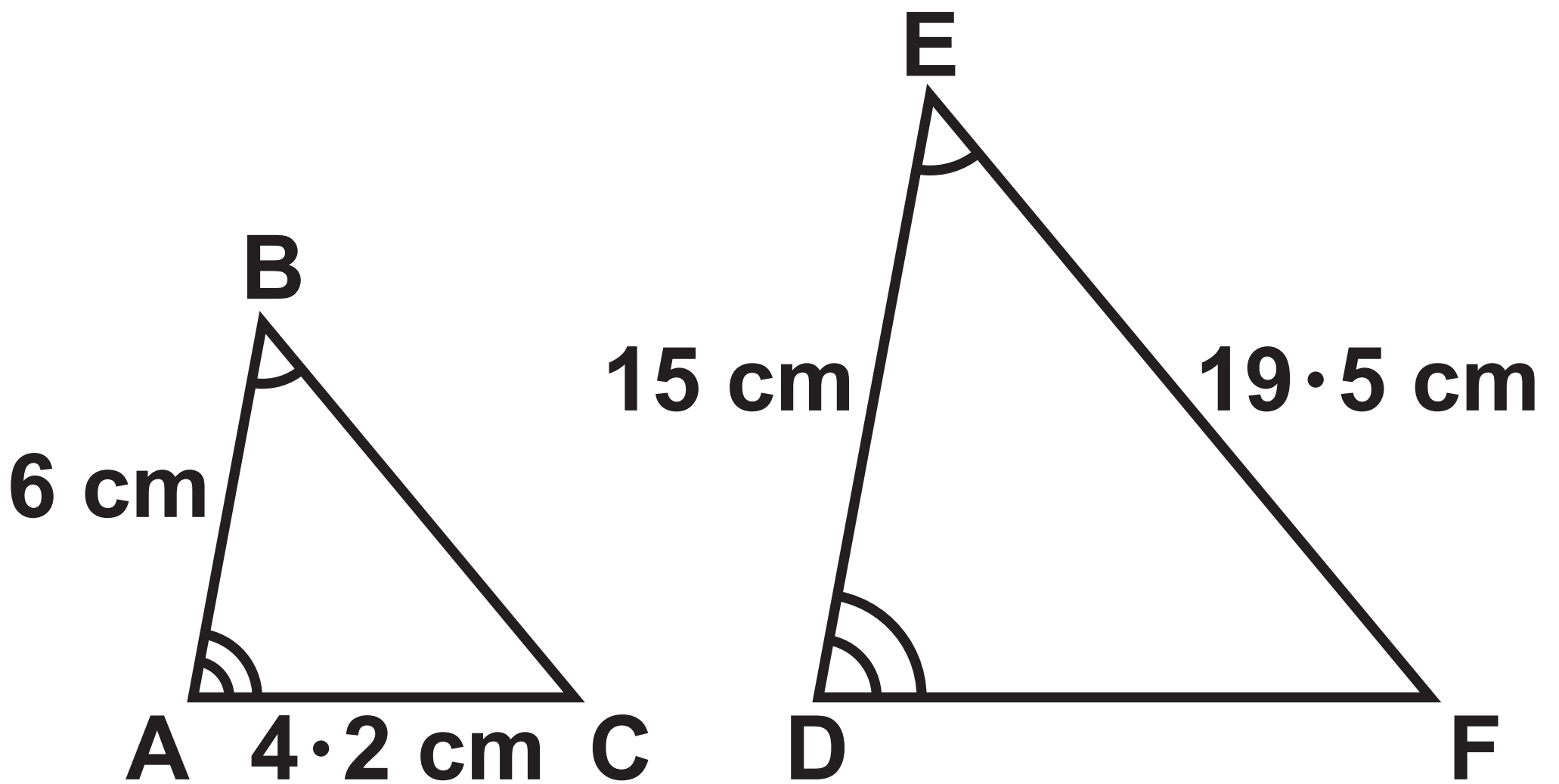
<b>4</b>	<b>Question 1</b>
<b>5</b>	<b>Question 2</b>
<b>6</b>	<b>Question 2 (Spare copy)</b>
<b>7</b>	<b>Question 6 (NOT accurately drawn)</b>
<b>8</b>	<b>Question 10(b)</b>
<b>9</b>	<b>Question 11</b>
<b>10</b>	<b>Question 12 (NOT accurately drawn)</b>
<b>11</b>	<b>Question 13</b>
<b>12</b>	<b>Question 13(b)</b>
<b>13</b>	<b>Question 13(b) (Spare copy)</b>
<b>14</b>	<b>Question 18 (NOT accurately drawn)</b>
<b>15</b>	<b>Question 19 (NOT accurately drawn)</b>
<b>16</b>	<b>Question 21 (NOT accurately drawn)</b>

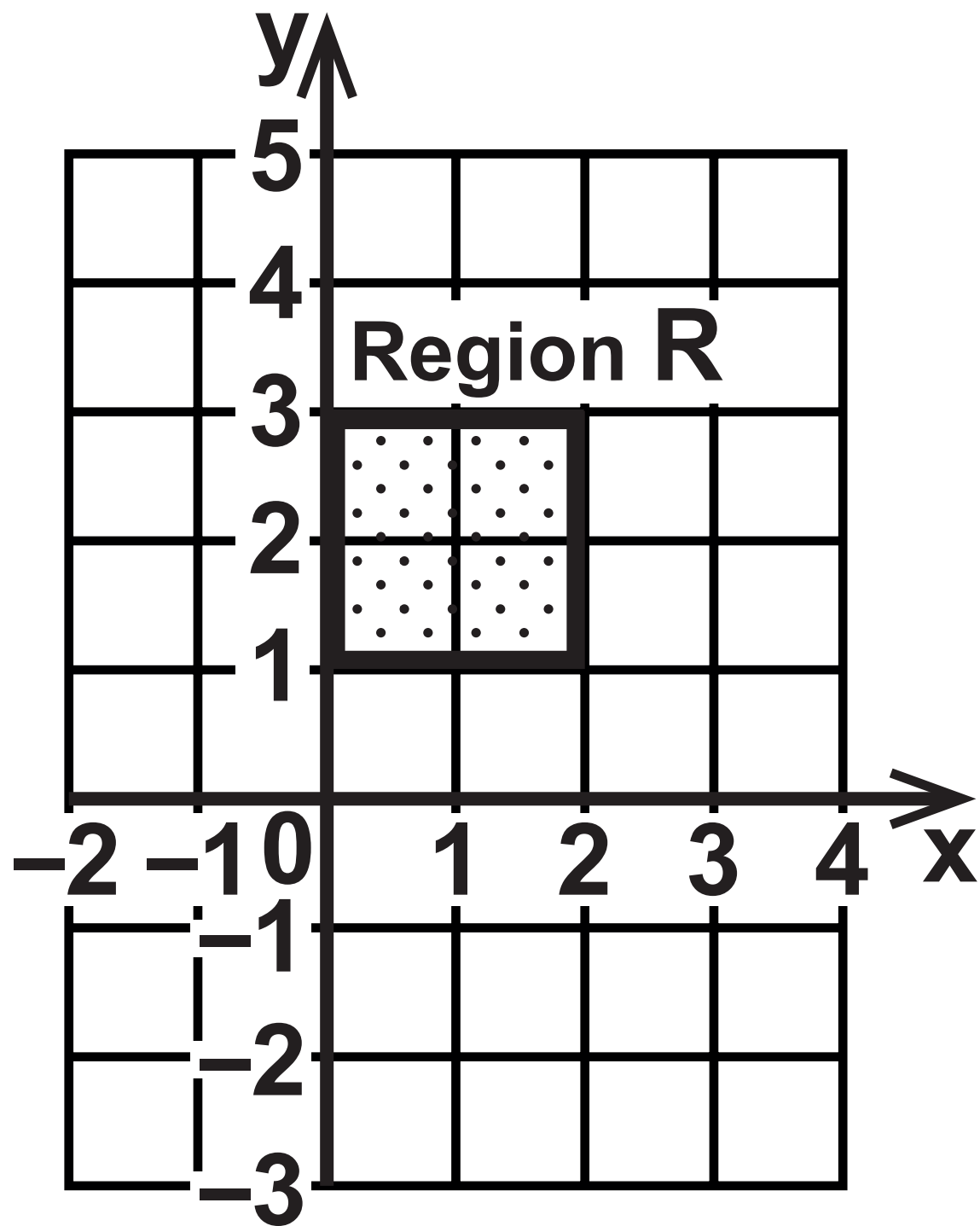
Question 1

Height of sunflower (h cm)	Frequency
$90 < h \leq 100$	8
$100 < h \leq 110$	12
$110 < h \leq 120$	15
$120 < h \leq 130$	10
$130 < h \leq 140$	3

D  $\xrightarrow{\hspace{1.5cm}}$  E

D  $\xrightarrow{\hspace{1.5cm}}$  E

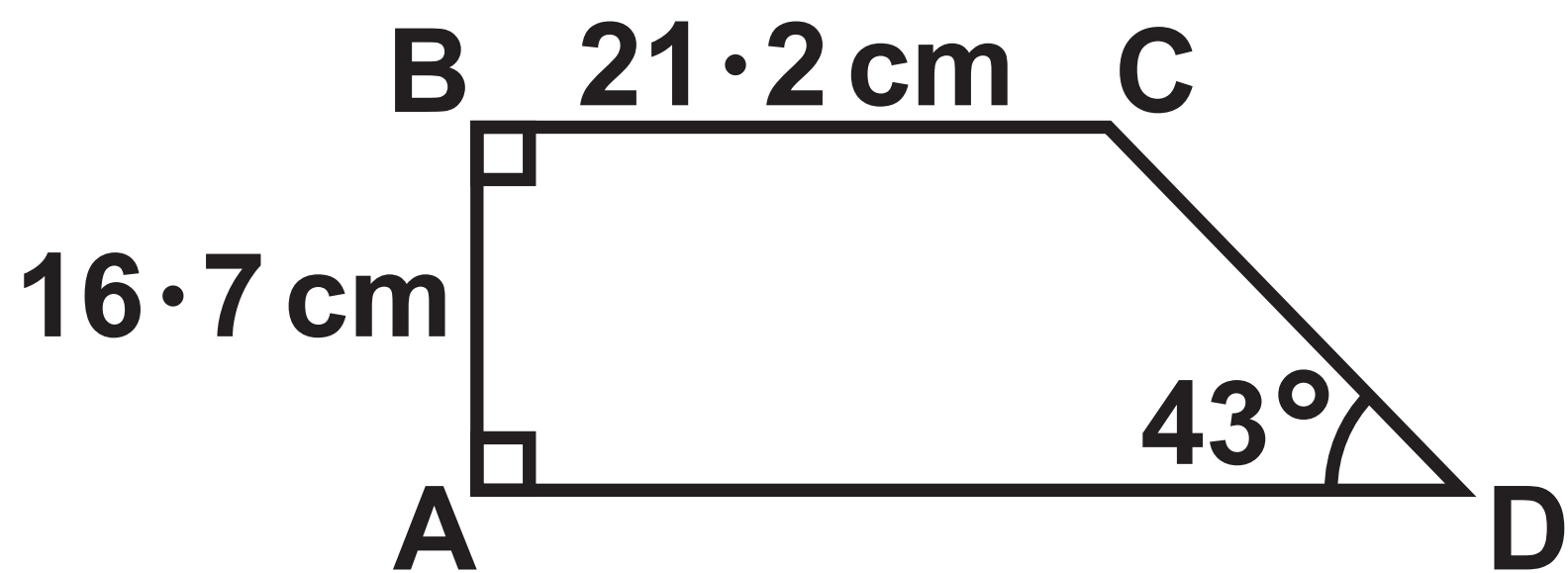






Question 11

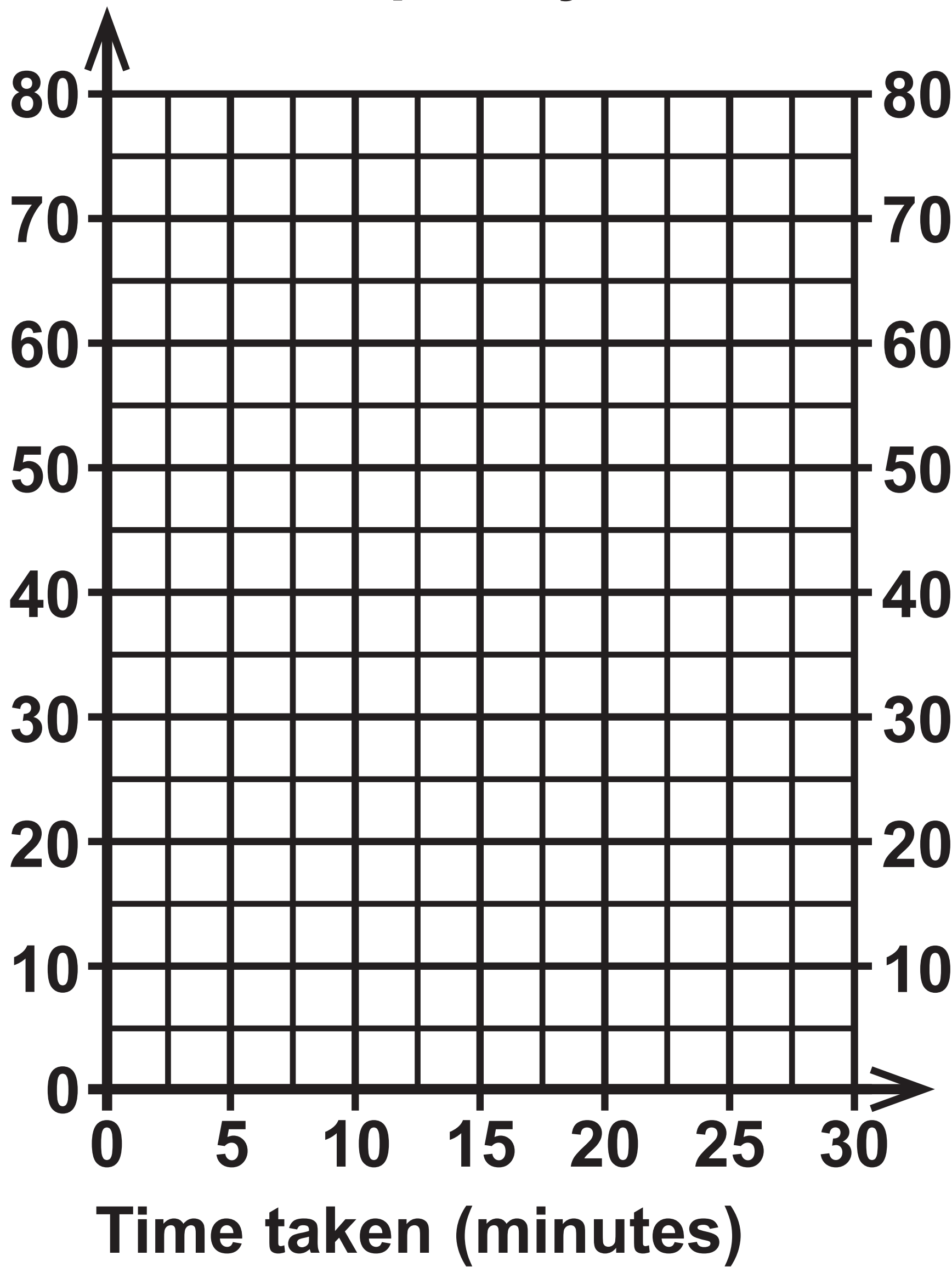
Football club	Average crowd attendance
Monaco	$9.5 \times 10^3$
Chelsea	$4.2 \times 10^4$
Juventus	$3.9 \times 10^4$
Oxford United	$8.3 \times 10^3$
Barcelona	$7.7 \times 10^4$



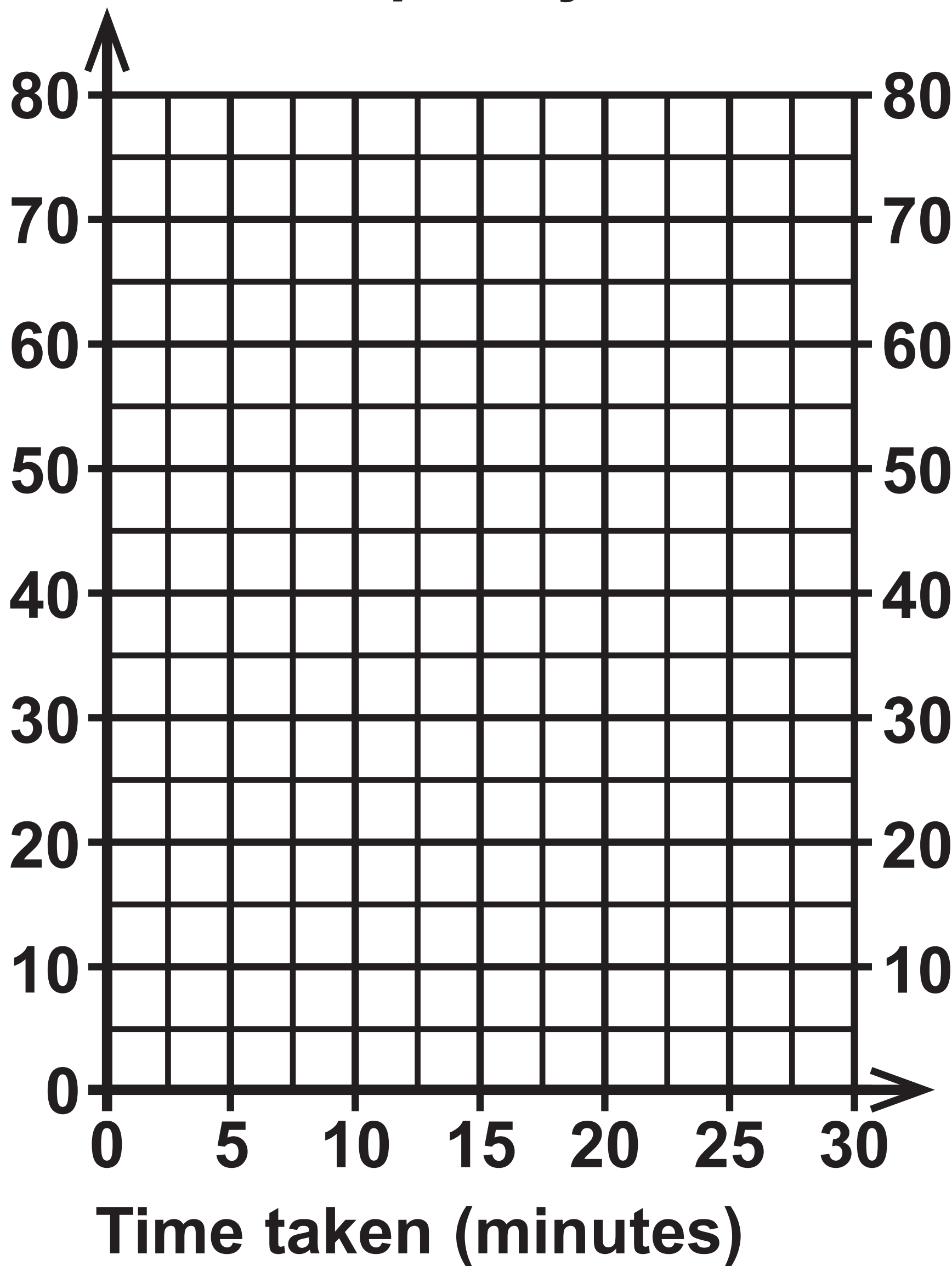
Question 13

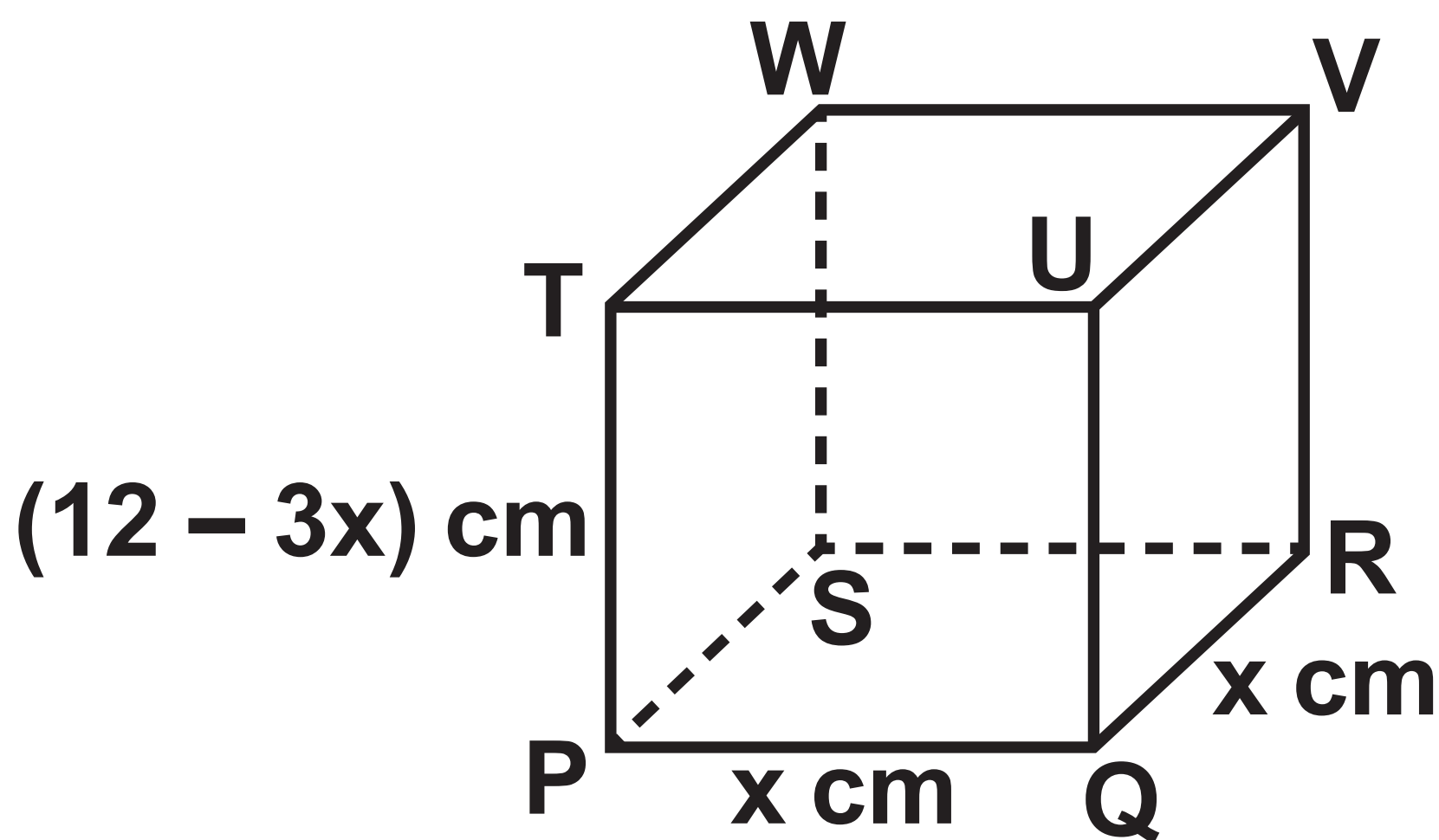
Time taken (t minutes)	Frequency
$0 < t \leq 5$	5
$5 < t \leq 10$	10
$10 < t \leq 15$	10
$15 < t \leq 20$	15
$20 < t \leq 25$	20
$25 < t \leq 30$	20

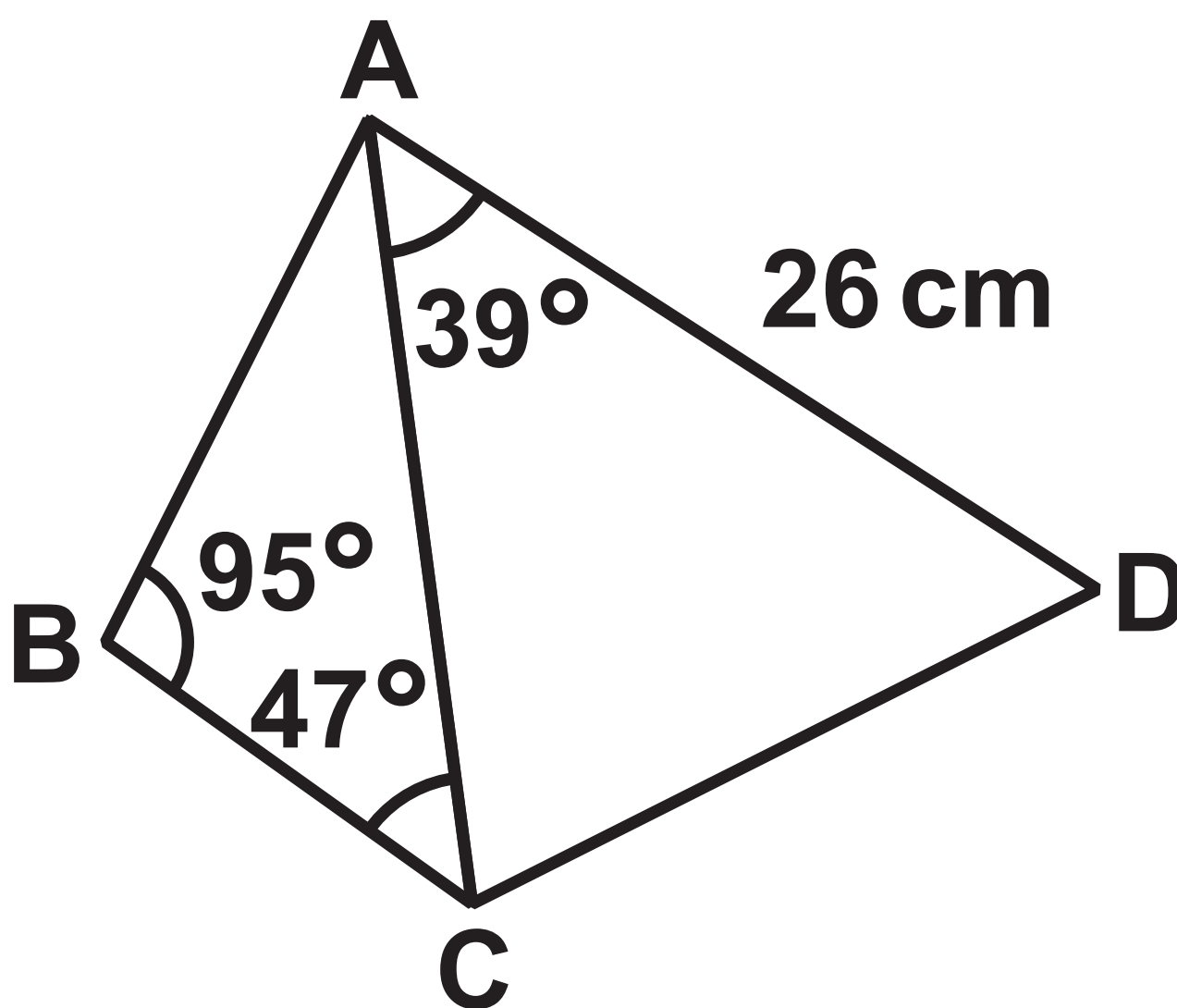
Cumulative frequency



Cumulative frequency







Question 21

Diagram 1

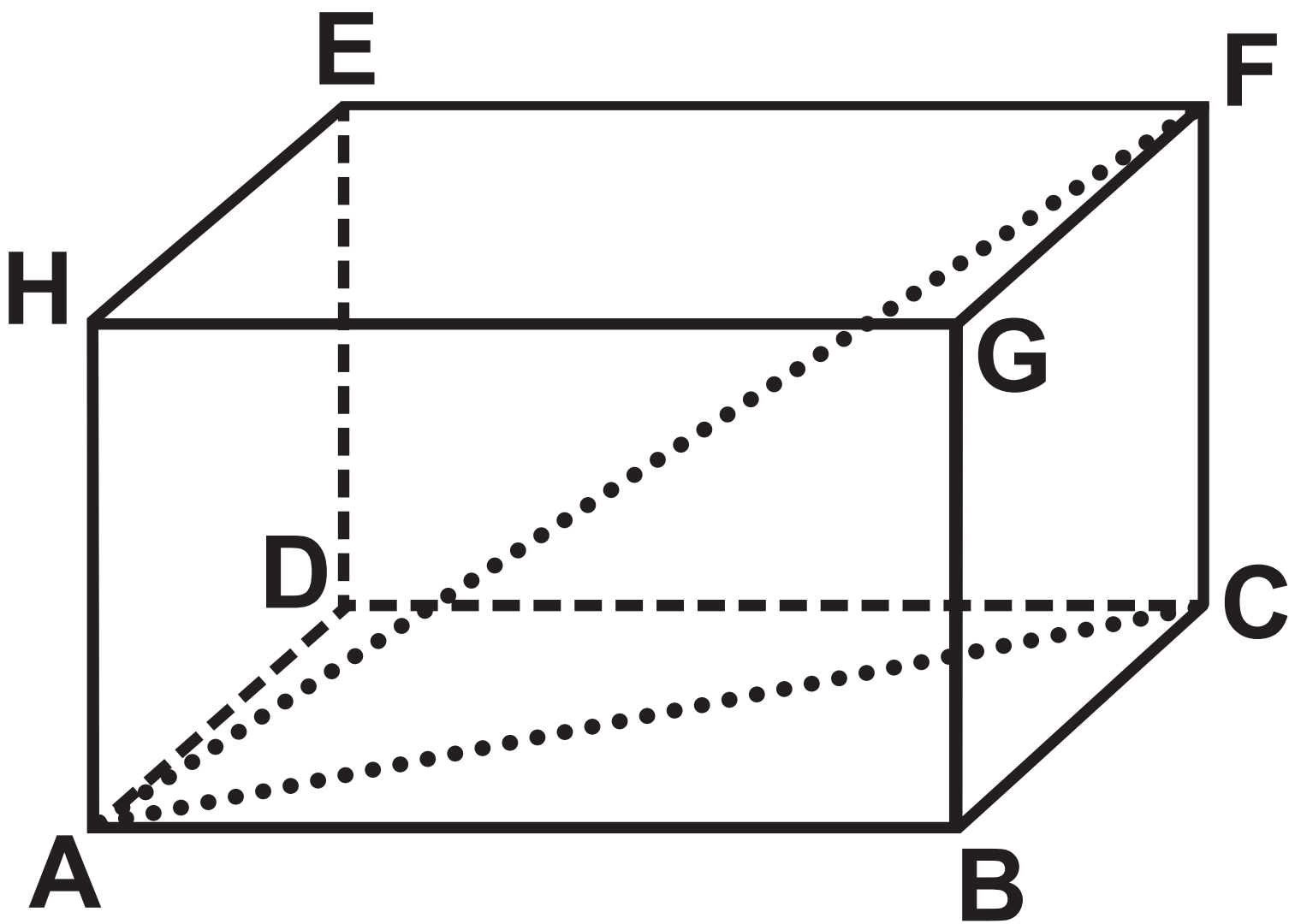


Diagram 1a

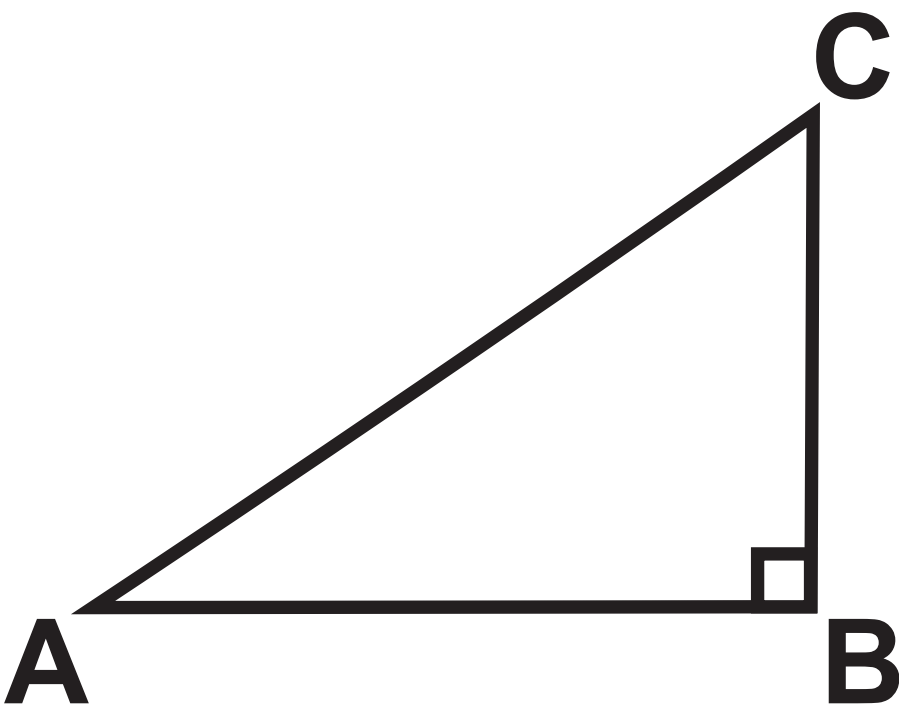


Diagram 1b

