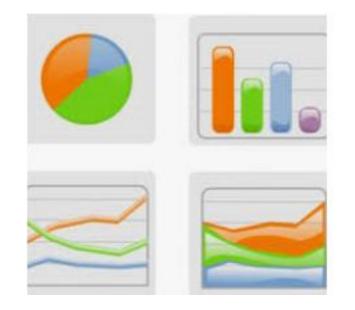
STATISTICS - DAY 3

L.O: I can explore line graphs



SUCCESS CRITERIA

 I can explore line graphs that show changes of length, mass, temperature or volume over time

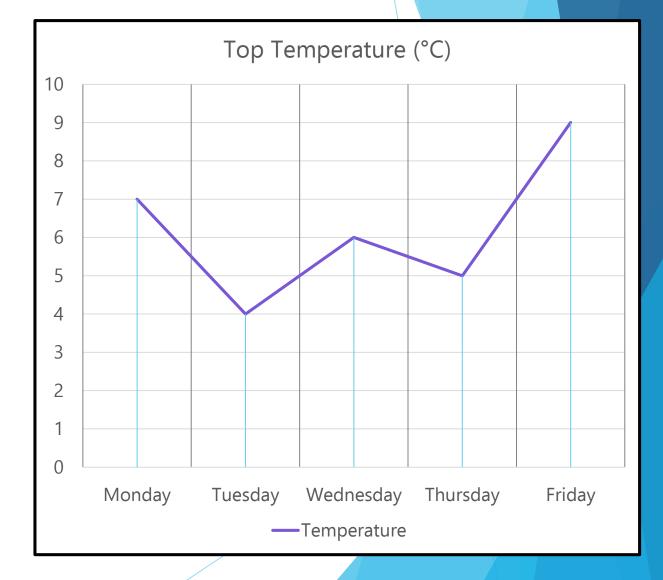
✓ I can explain my reasoning when exploring line graphs that show changes of length, mass, temperature or volume over time

Starter:

Find the highest temperatures on Monday, Wednesday and Friday.

Which of the three days mentioned above doesn't belong?

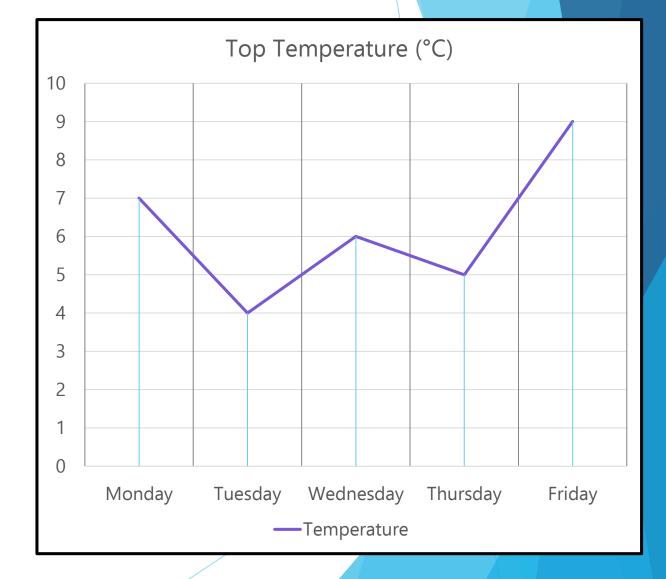
Explain your answer.



Starter:

Find the highest temperatures on Monday, Wednesday and Friday.

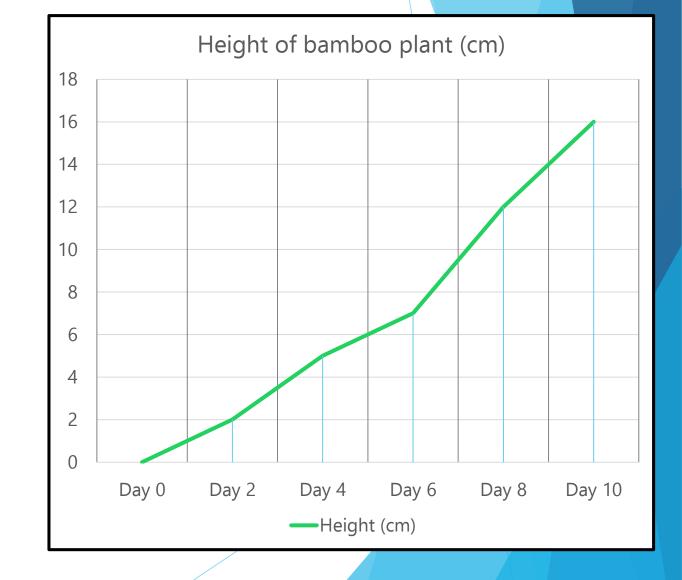
Wednesday doesn't belong as it has an even temperature, 6°C, whereas Monday and Friday have odd measurements, 7°C and 9°C.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

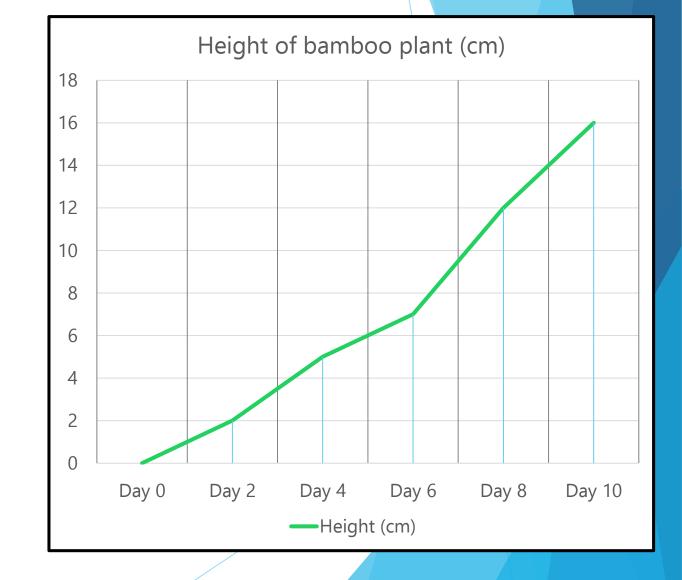
On Day 2, the plant was _____ cm tall.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

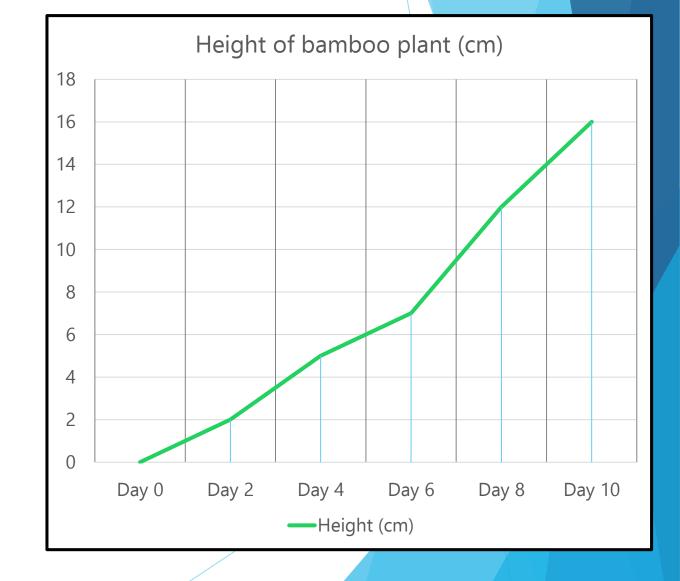
On Day 2, the plant was **2** cm tall.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

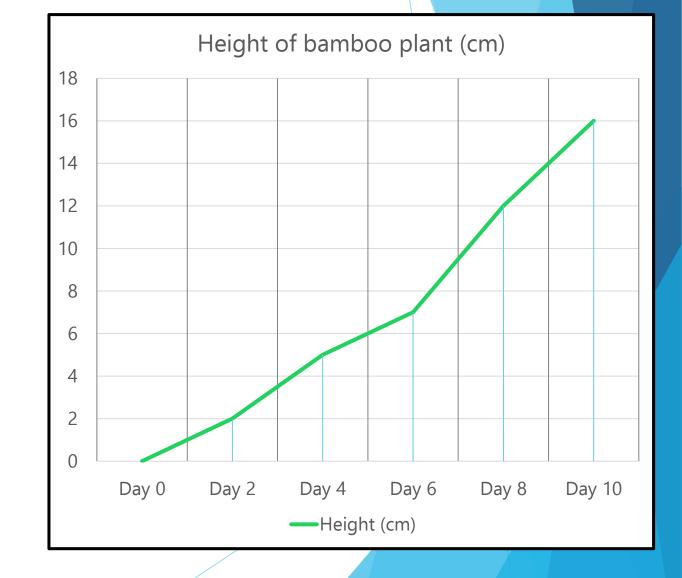
The plant was 12 cm tall on Day ____.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

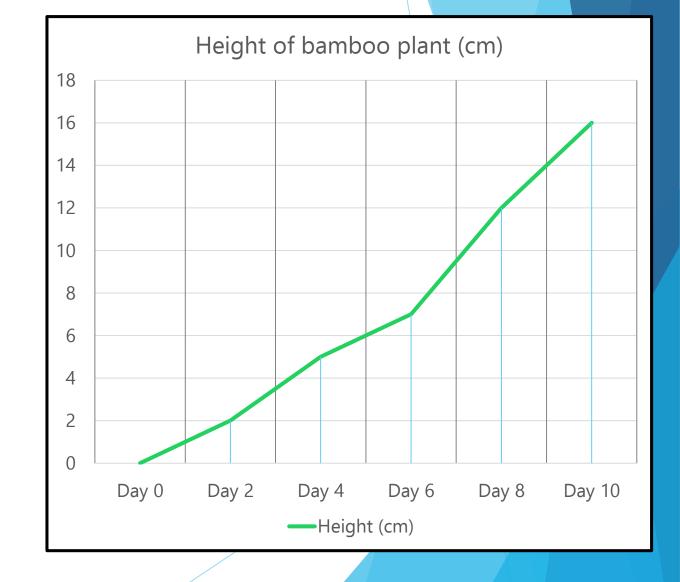
The plant was 12 cm tall on Day <u>8</u>.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

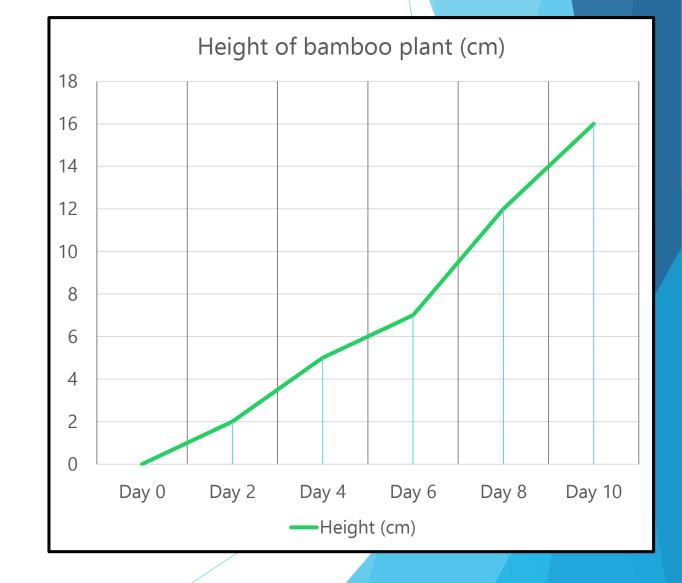
The plant was ____ cm tall on Day 9.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

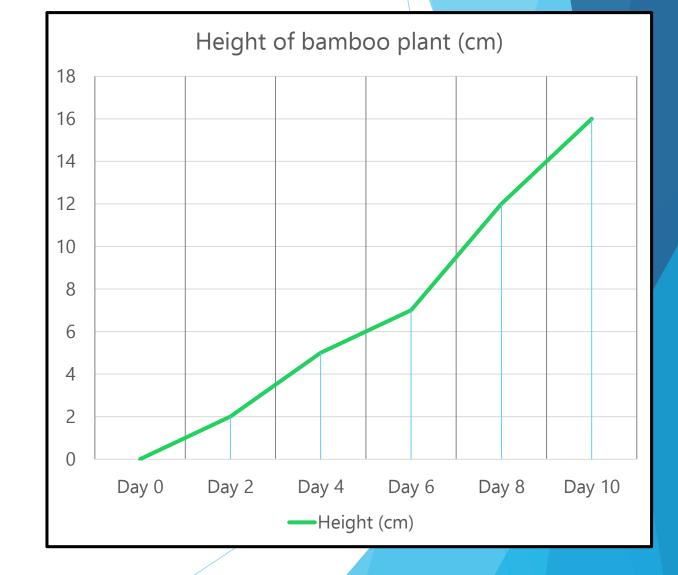
The plant was <u>14</u> cm tall on Day 9.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

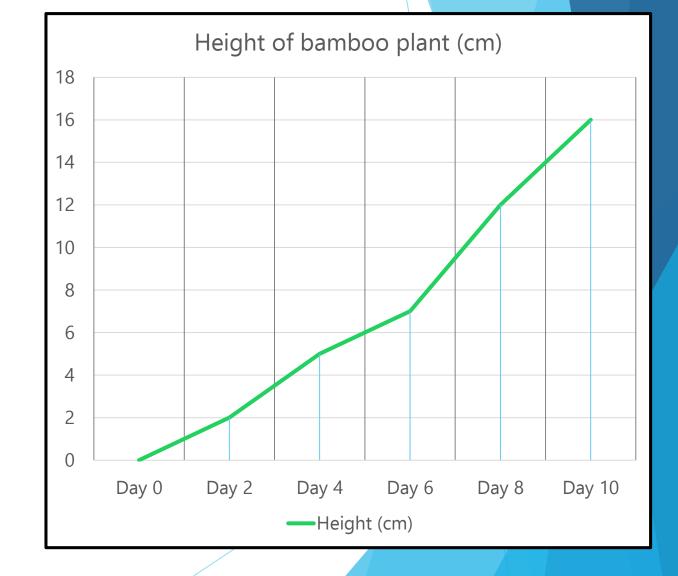
The bamboo plant grew fastest between Days __ and __.



The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

The bamboo plant grew fastest between Days <u>6</u> and <u>8</u>.



Activity 1:

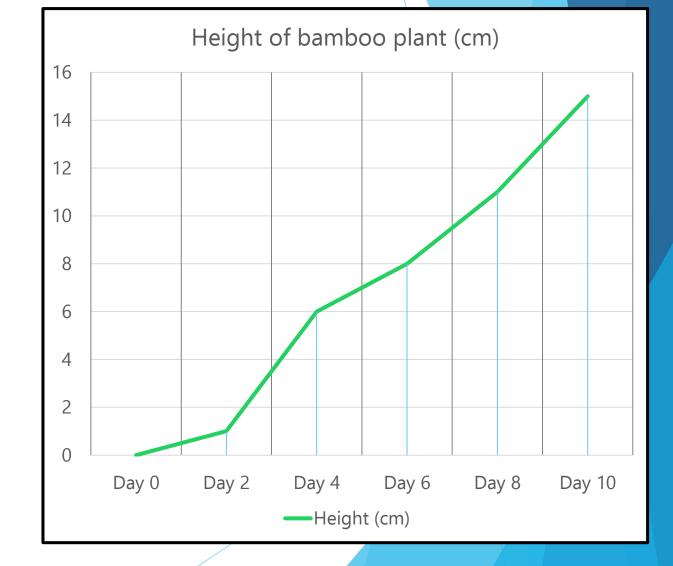
The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

On Day 2, the plant was _____ cm tall.

The plant was ____ cm tall on Day 9.

The bamboo plant grew slowest between Days __ and __.



Activity 1:

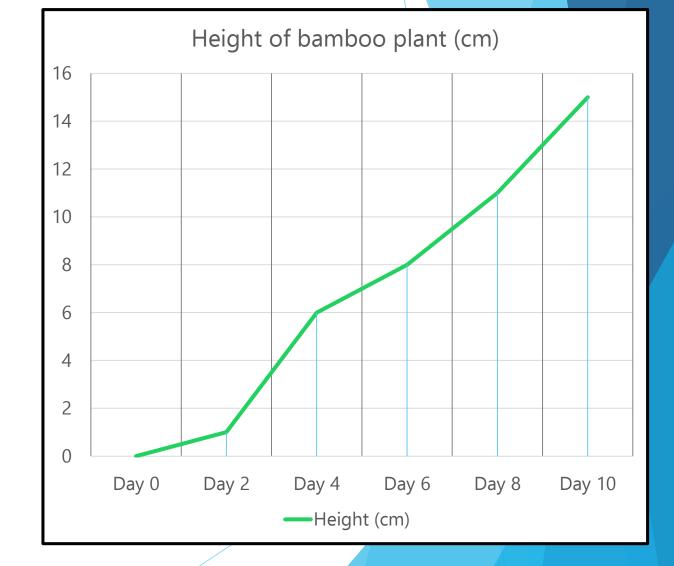
The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

On Day 2, the plant was <u>1</u> cm tall.

The plant was ____ cm tall on Day 9.

The bamboo plant grew slowest between Days __ and __.



Activity 1:

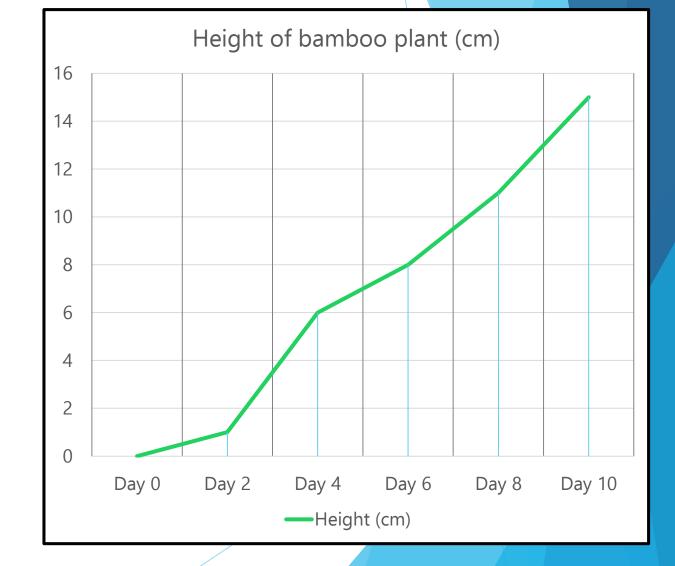
The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

On Day 2, the plant was <u>1</u> cm tall.

The plant was <u>13</u> cm tall on Day 9.

The bamboo plant grew slowest between Days __ and __.



Activity 1:

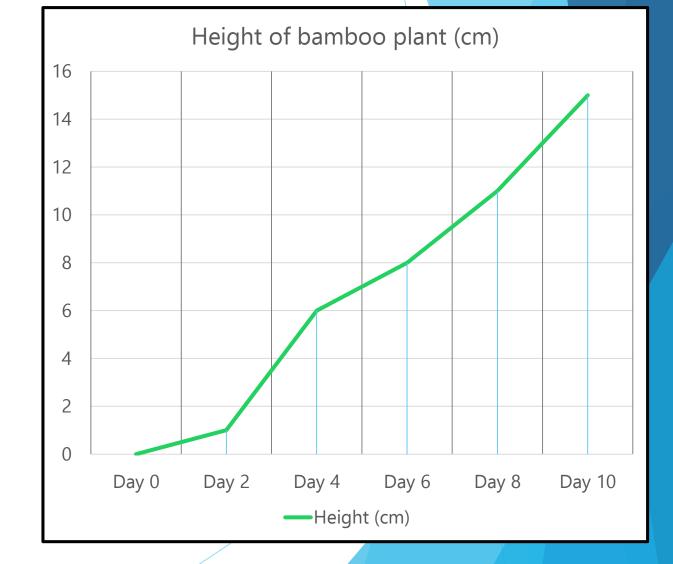
The chart shows the growth of a bamboo plant over 10 days.

Complete the sentence below:

On Day 2, the plant was <u>1</u> cm tall.

The plant was <u>13</u> cm tall on Day 9.

The bamboo plant grew slowest between Days **0** and **2**.



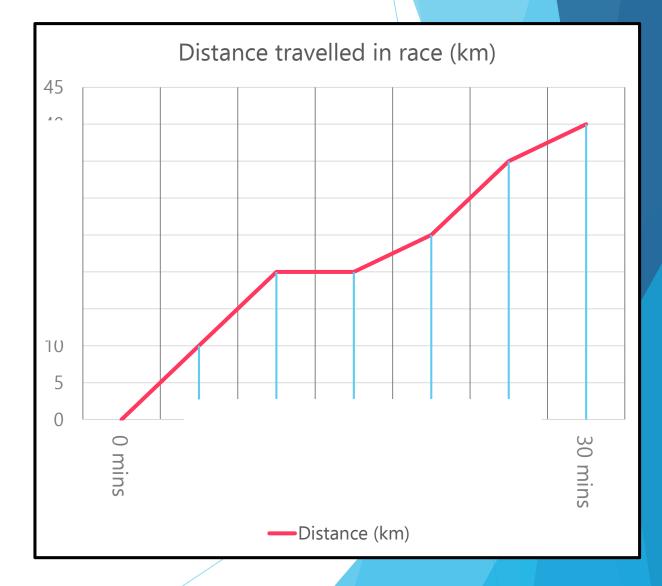
Activity 2:

The line graphs shows the distance travelled by a driver in a race. Fill in the missing labels, then complete the sentences below:

Ít took	_ minutes to drive the first
20 km.	

The driver had driven ____ km by minute 25.

The driver drove ____ km in total.



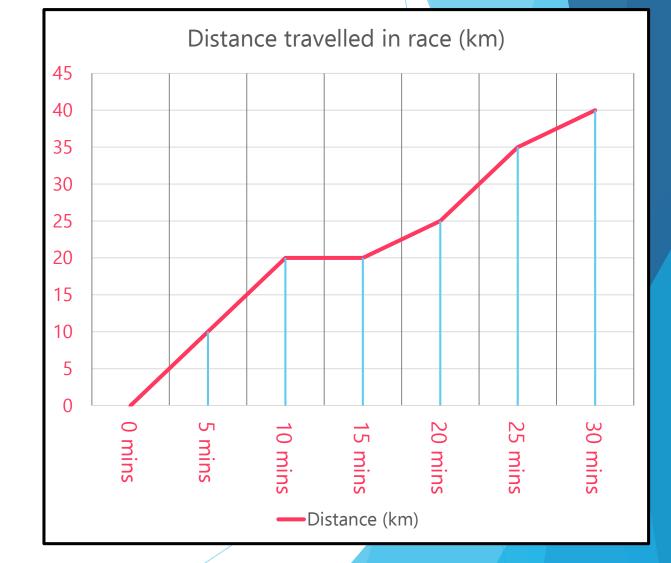
Activity 2:

The line graphs shows the distance travelled by a driver in a race. Fill in the missing labels, then complete the sentences below:

It took <u>10</u> minutes to drive the first 20 km.

The driver had driven ____ km by minute 25.

The driver drove ____ km in total.



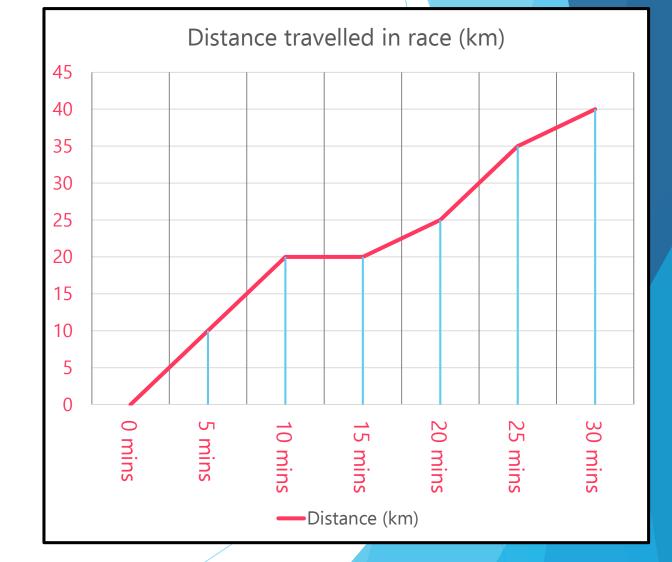
Activity 2:

The line graphs shows the distance travelled by a driver in a race. Fill in the missing labels, then complete the sentences below:

It took <u>10</u> minutes to drive the first 20 km.

The driver had driven <u>35</u> km by minute 25.

The driver drove ____ km in total.



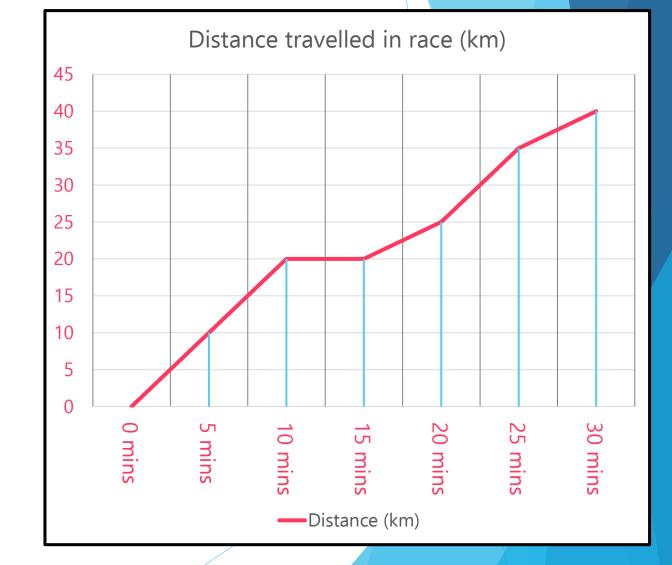
Activity 2:

The line graphs shows the distance travelled by a driver in a race. Fill in the missing labels, then complete the sentences below:

It took <u>10</u> minutes to drive the first 20 km.

The driver had driven <u>35</u> km by minute 25.

The driver drove <u>40</u> km in total.



Activity 2:

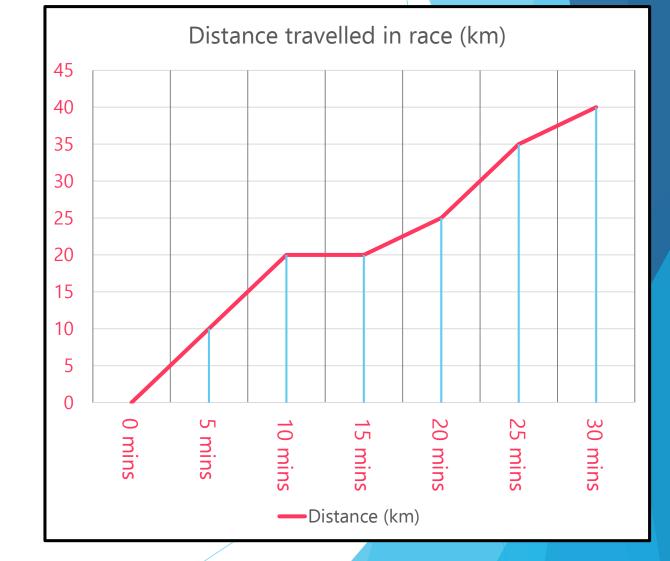
The line graphs shows the distance travelled by a driver in a race. Fill in the missing labels, then complete the sentences below:

It took <u>10</u> minutes to drive the first 20 km.

The driver had driven <u>35</u> km by minute 25.

The driver drove <u>40</u> km in total.

The driver drove <u>15</u> km between minutes 15 and 25.



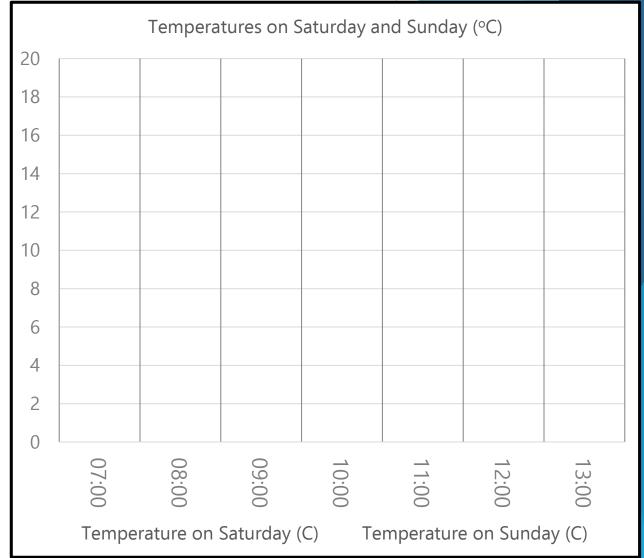
Activity 3:

Use the tables to complete the line graph, then complete the sentence below.

Time	Temperature on Saturday (C)	Temperature on Sunday (C)
07:00	12	7
08:00	10	9
09:00	11	12
10:00	13	15
11:00	15	13
12:00	18	14
13:00	17	12

The temperature was __oC hotter on Saturday than Sunday at midday.

Write your own questions!



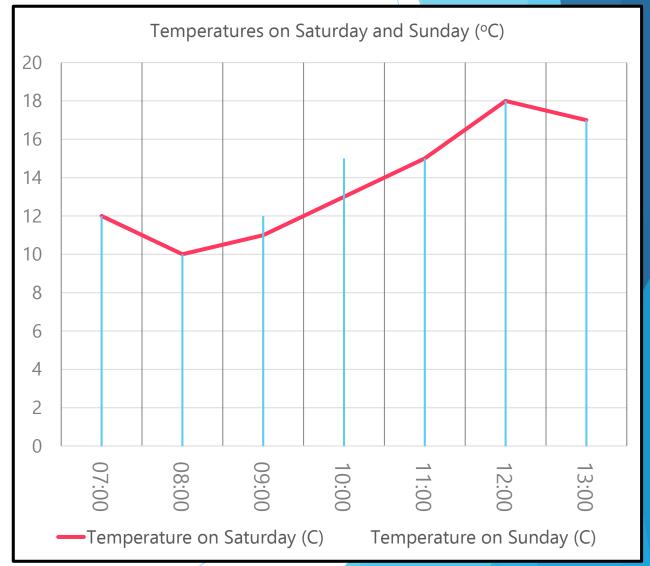
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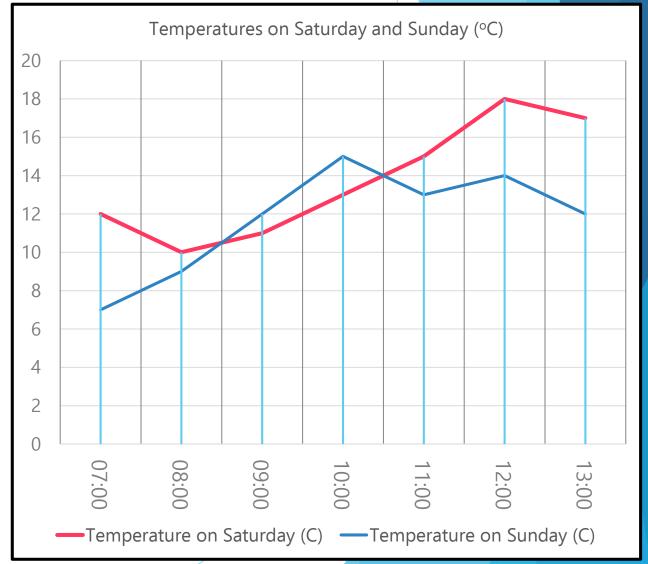
Activity 3:

Use the tables to complete the line graph, then complete the sentence below.

Temperature on Saturday (C)	Temperature on Sunday (C)
12	7
10	9
11	12
13	15
15	13
18	14
17	12
	12 10 11 13 15 18

The temperature was __oC hotter on Saturday than Sunday at midday.

Write your own questions!

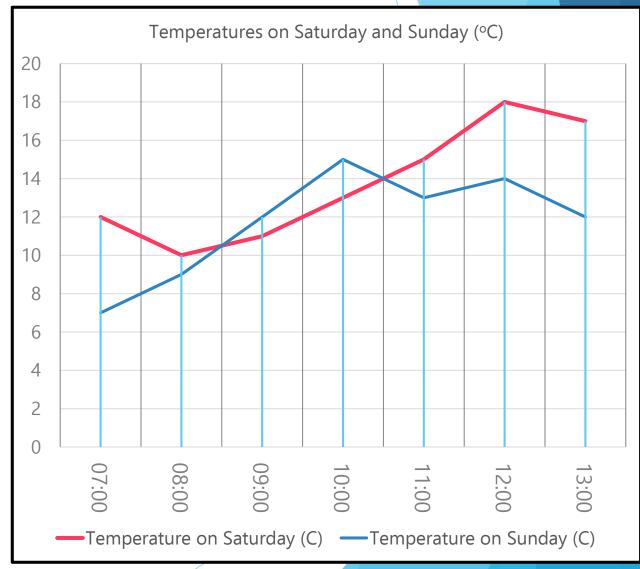


Activity 3:

Use the tables to complete the line graph, then complete the sentence below.

Time	Temperature on Saturday (C)	Temperature on Sunday (C)
07:00	12	7
08:00	10	9
09:00	11	12
10:00	13	15
11:00	15	13
12:00	18	14
13:00	17	12

The temperature was <u>4</u>°C hotter on Saturday than Sunday at midday.



Activity 4:

The line graph shows estimated fish population volumes in a lake between 1960 and 2020.

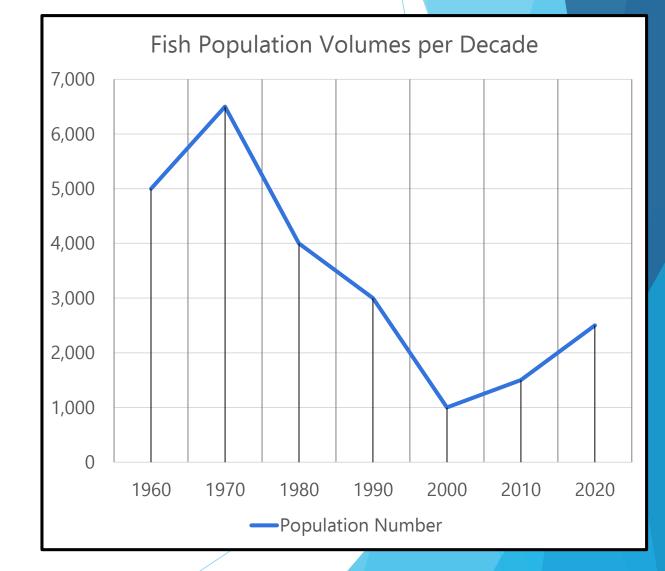
Complete the sentences below.

The fish population was greatest in the year

The highest population number on record is _____ fish.

An estimate for the fish population number in 2010 is _____ fish.

An approximate amount for the fish population in 1985 is _____ fish.



Activity 4:

The line graph shows estimated fish population volumes in a lake between 1960 and 2020.

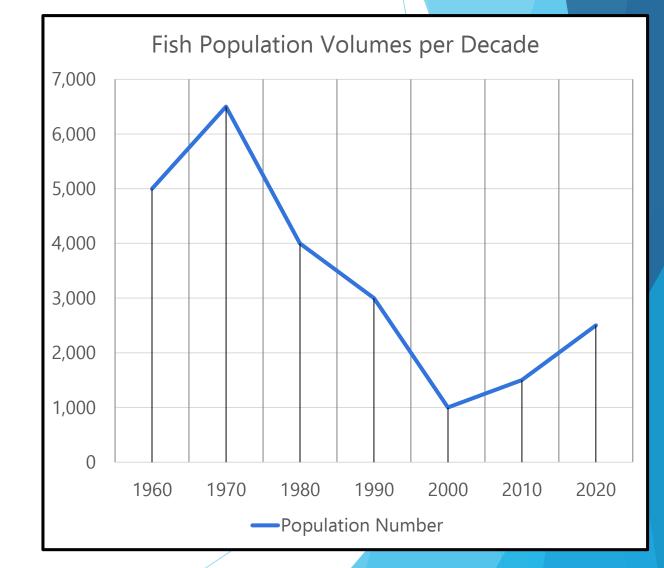
Complete the sentences below.

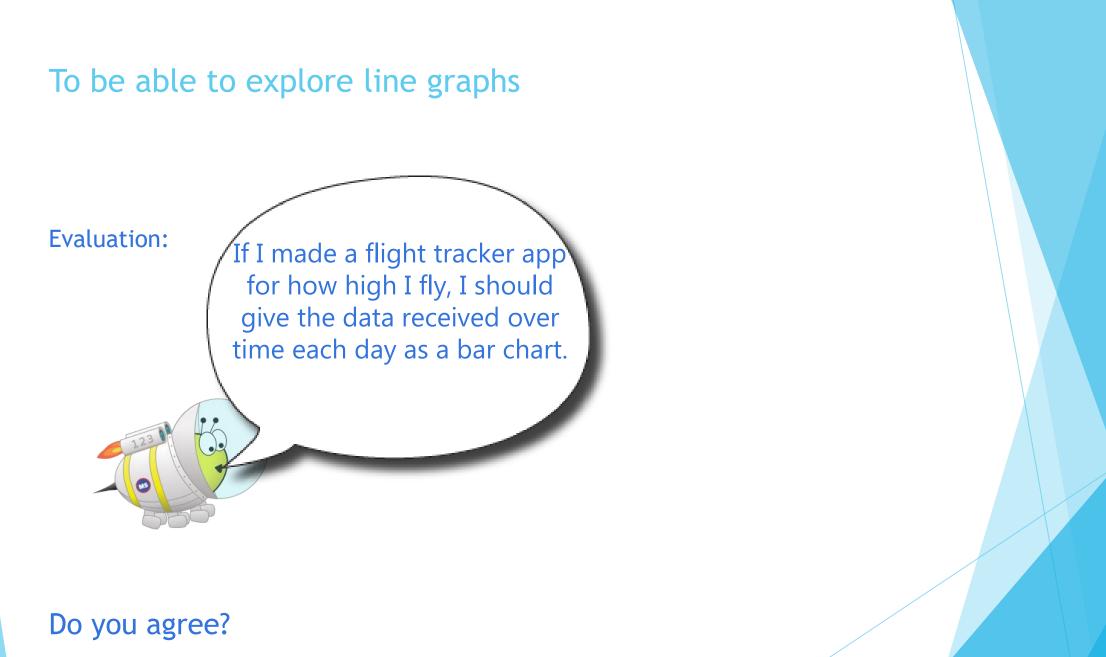
The fish population was greatest in the year **<u>1970</u>**.

The highest population number on record is **<u>6,500</u>** fish.

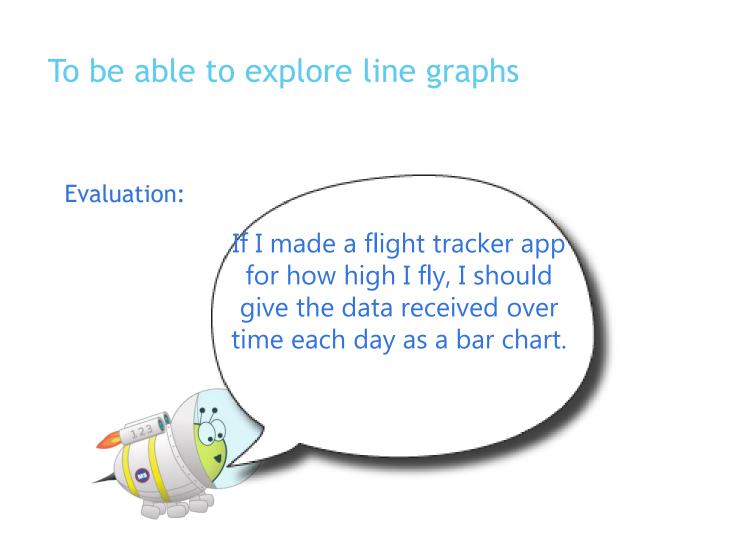
An estimate for the fish population number in 2010 is <u>**1,500**</u> fish.

An approximate amount for the fish population in 1985 is <u>3,500</u> fish.





Explain your answer.



No, I do not agree. As Astrobee's height above ground will change throughout the day, it is continuous data, so would be best presented as a line graph.