

STATISTICS - DAY 4

L.O: I can make comparisons, find the sum and difference using line graphs



SUCCESS CRITERIA

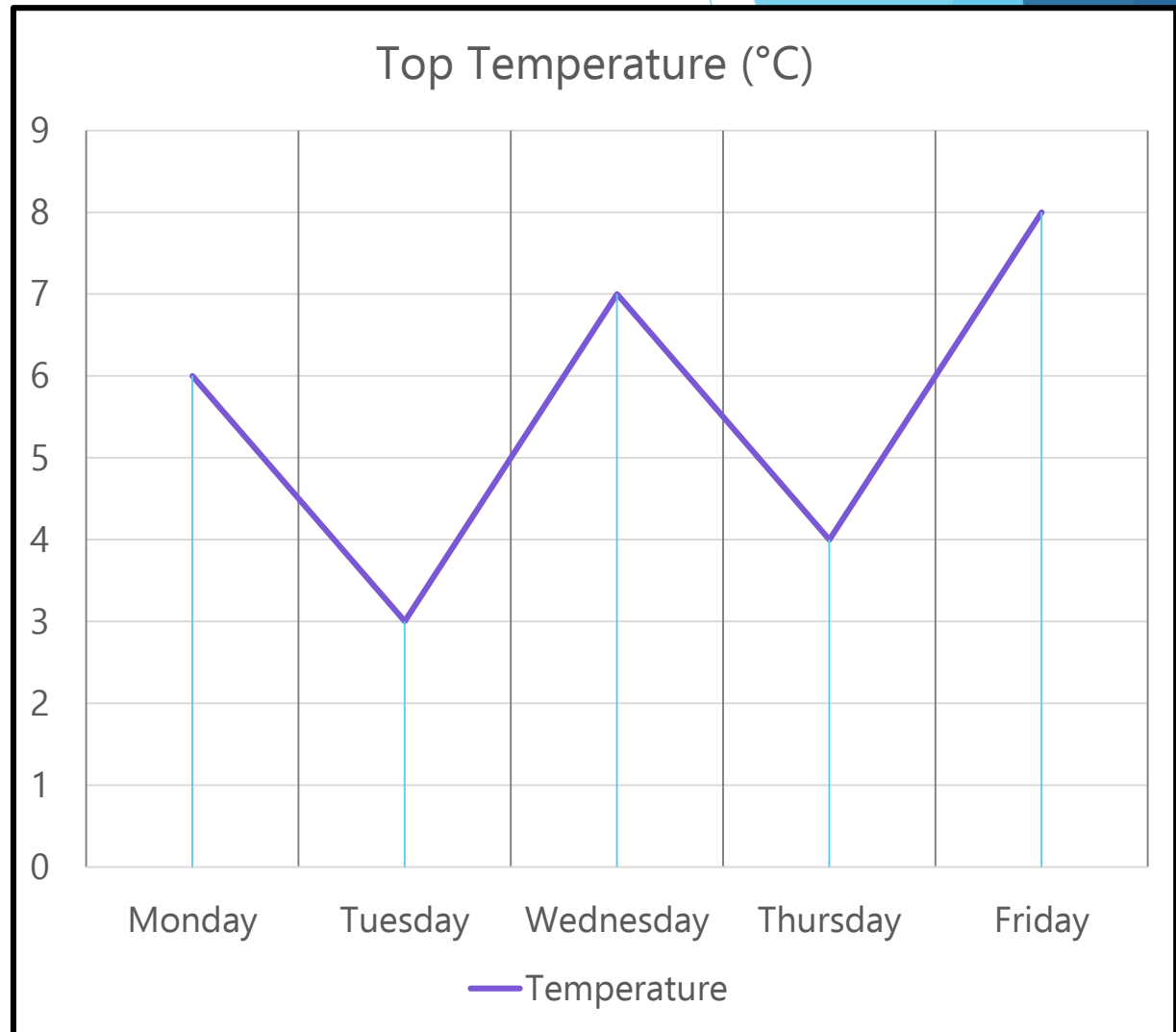
- ✓ I can use line graphs to make comparisons, find the sum and difference
- ✓ I can explain my reasoning when using line graphs to make comparisons, find the sum and difference

To be able to make comparisons, find the sum and difference using line graphs

Starter:

Find the temperatures and difference in temperature between Monday and Tuesday, and the temperatures and difference in temperature between Wednesday and Thursday.

What's the same? What's different?
Explain your answer.

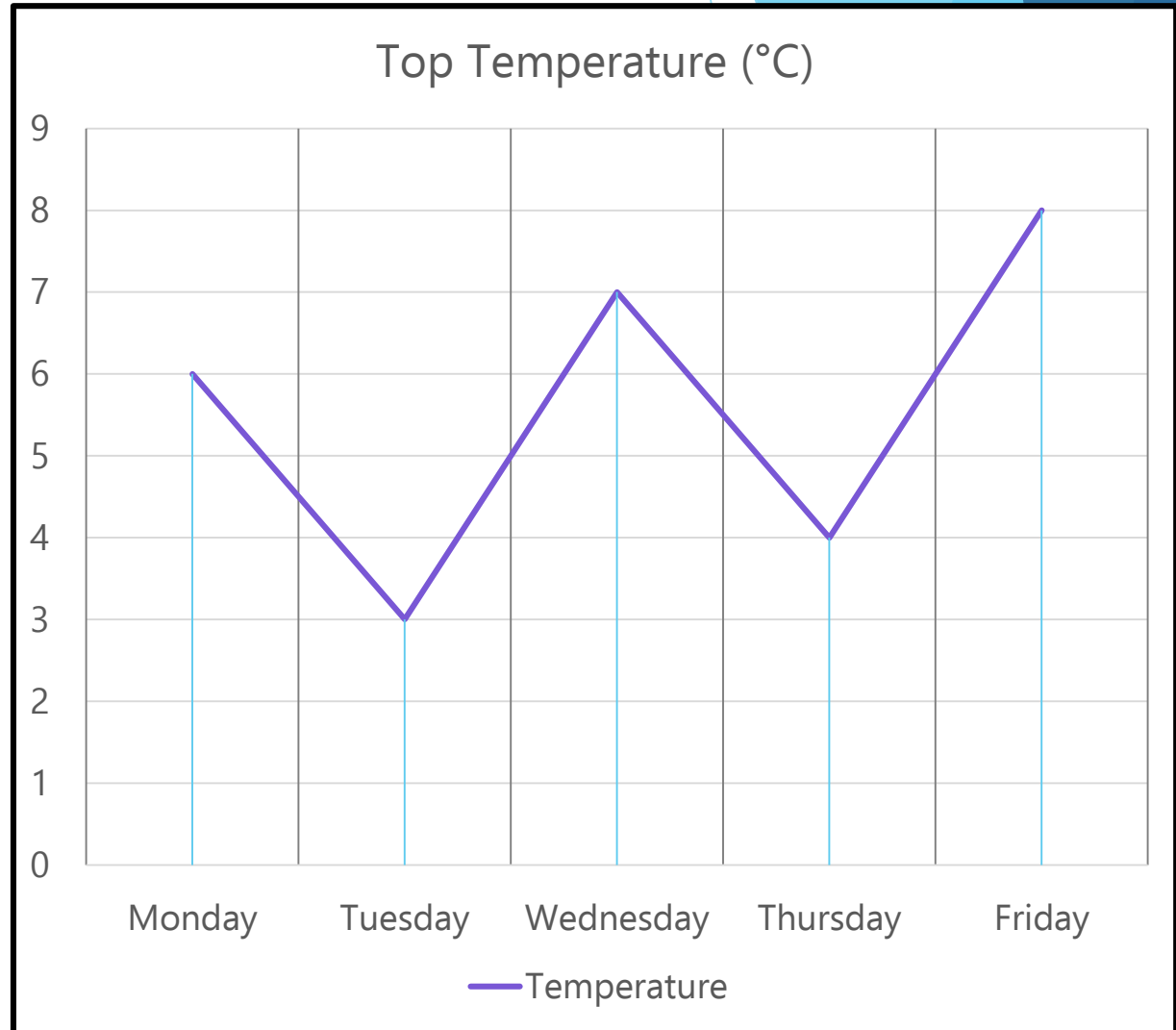


To be able to make comparisons, find the sum and difference using line graphs

Starter:

Find the temperatures and difference in temperature between Monday and Tuesday, and the temperatures and difference in temperature between Wednesday and Thursday.

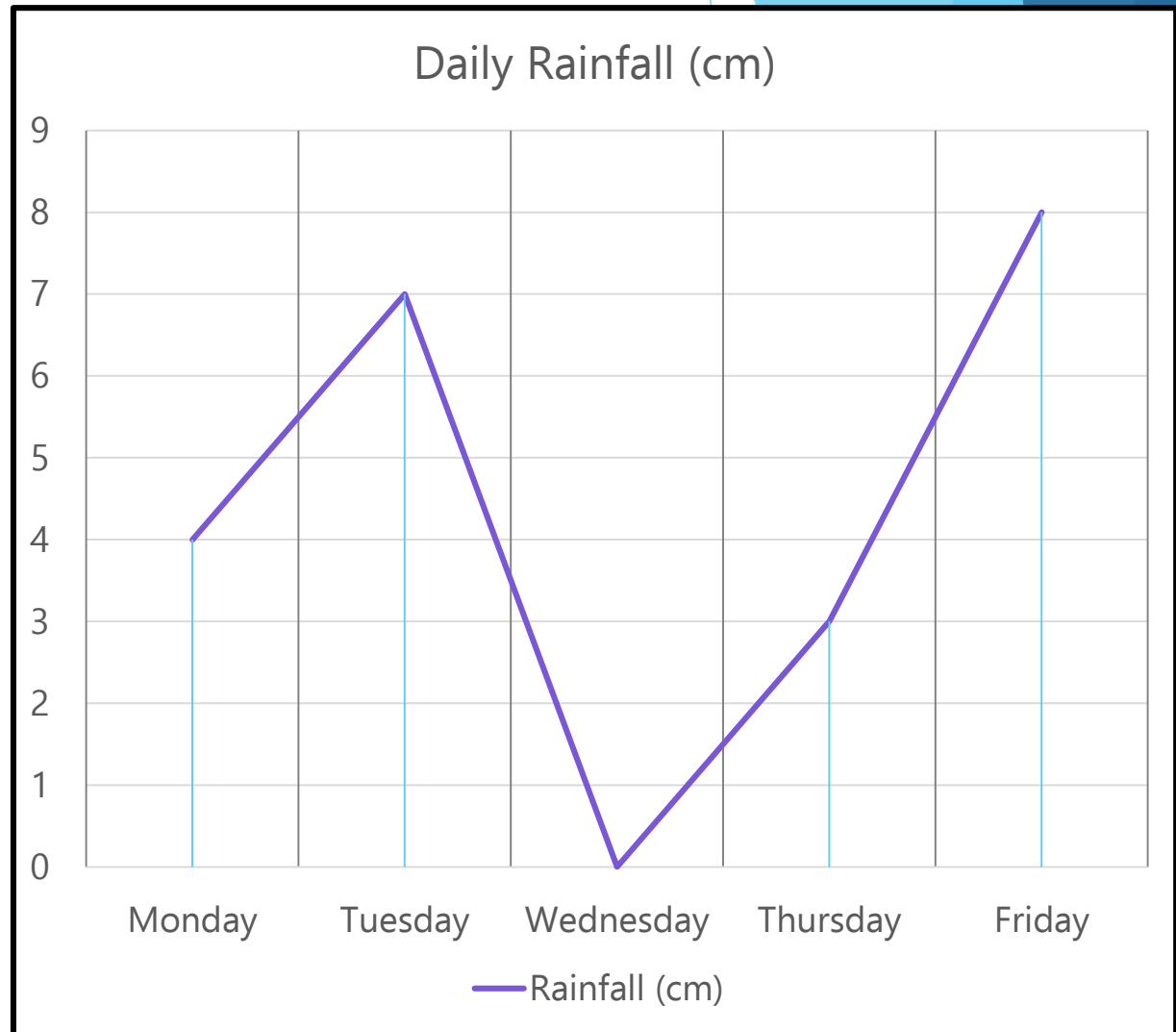
Both have differences of 3°C .
Monday's temperature is 6°C and Tuesday's reading is 3°C . Wednesday's temperature is 7°C and Thursday's reading is 4°C .



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

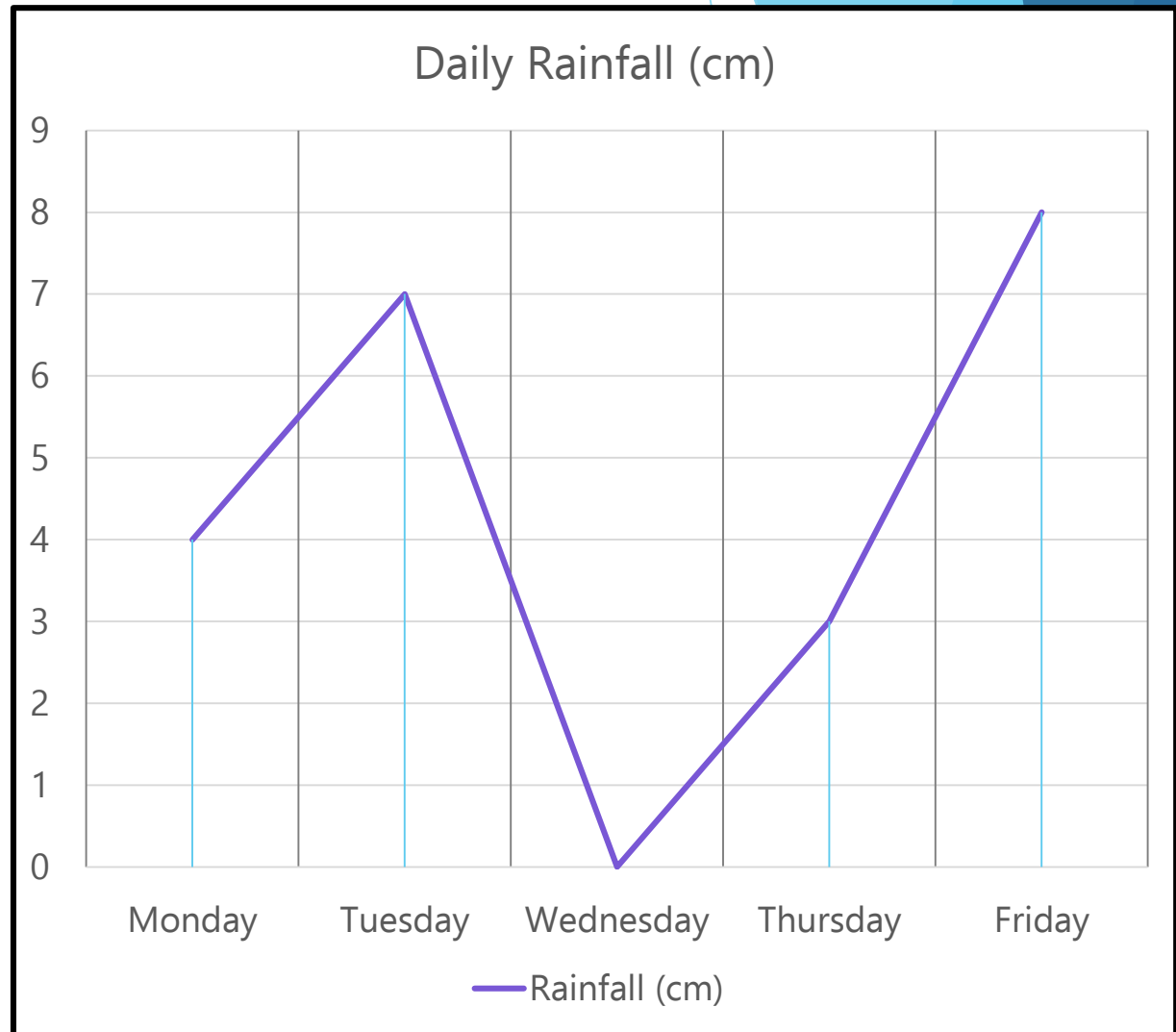
There was ____ cm more rainfall on Thursday than on Wednesday.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

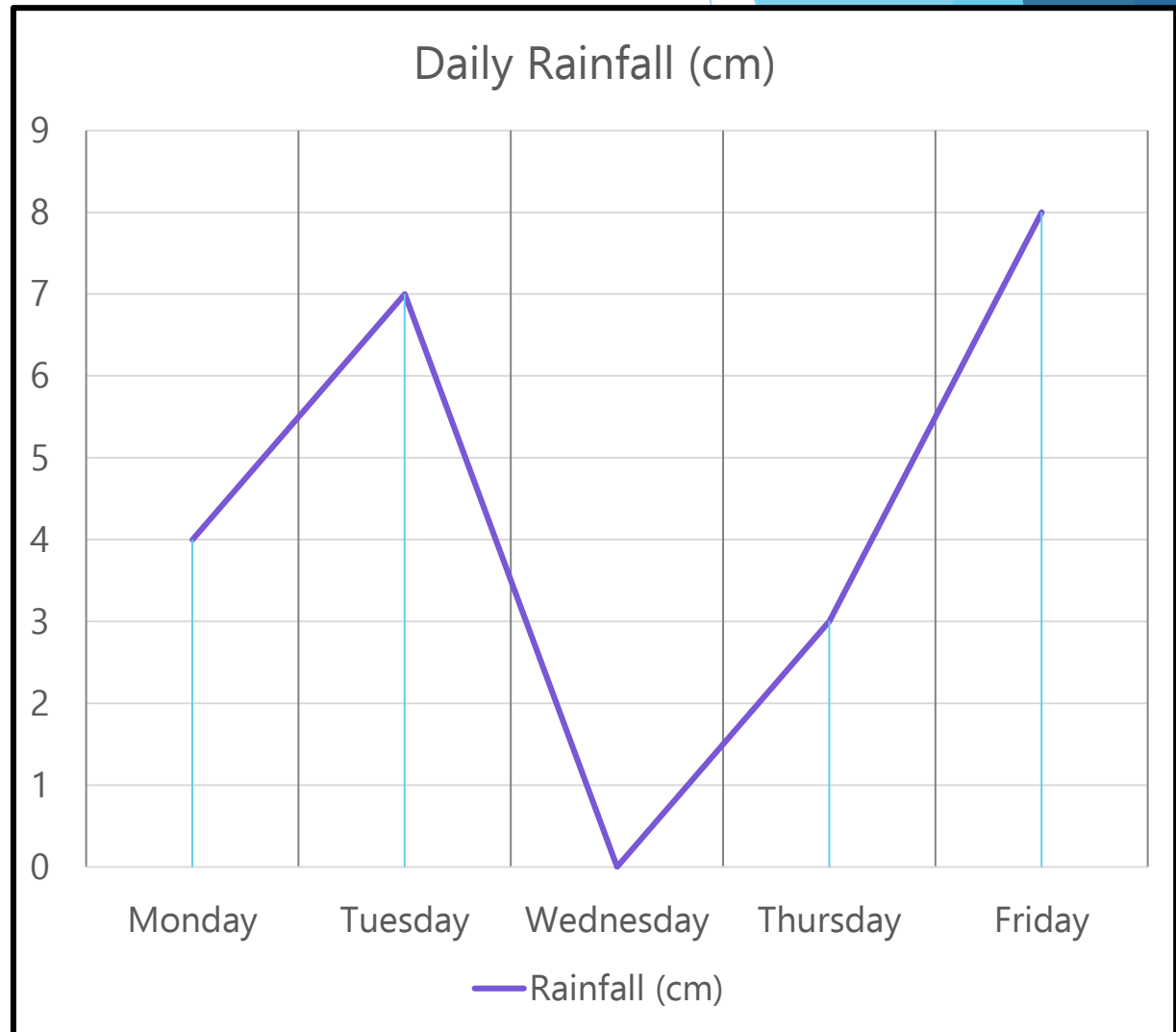
There was 3 cm more rainfall on Thursday than on Wednesday.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

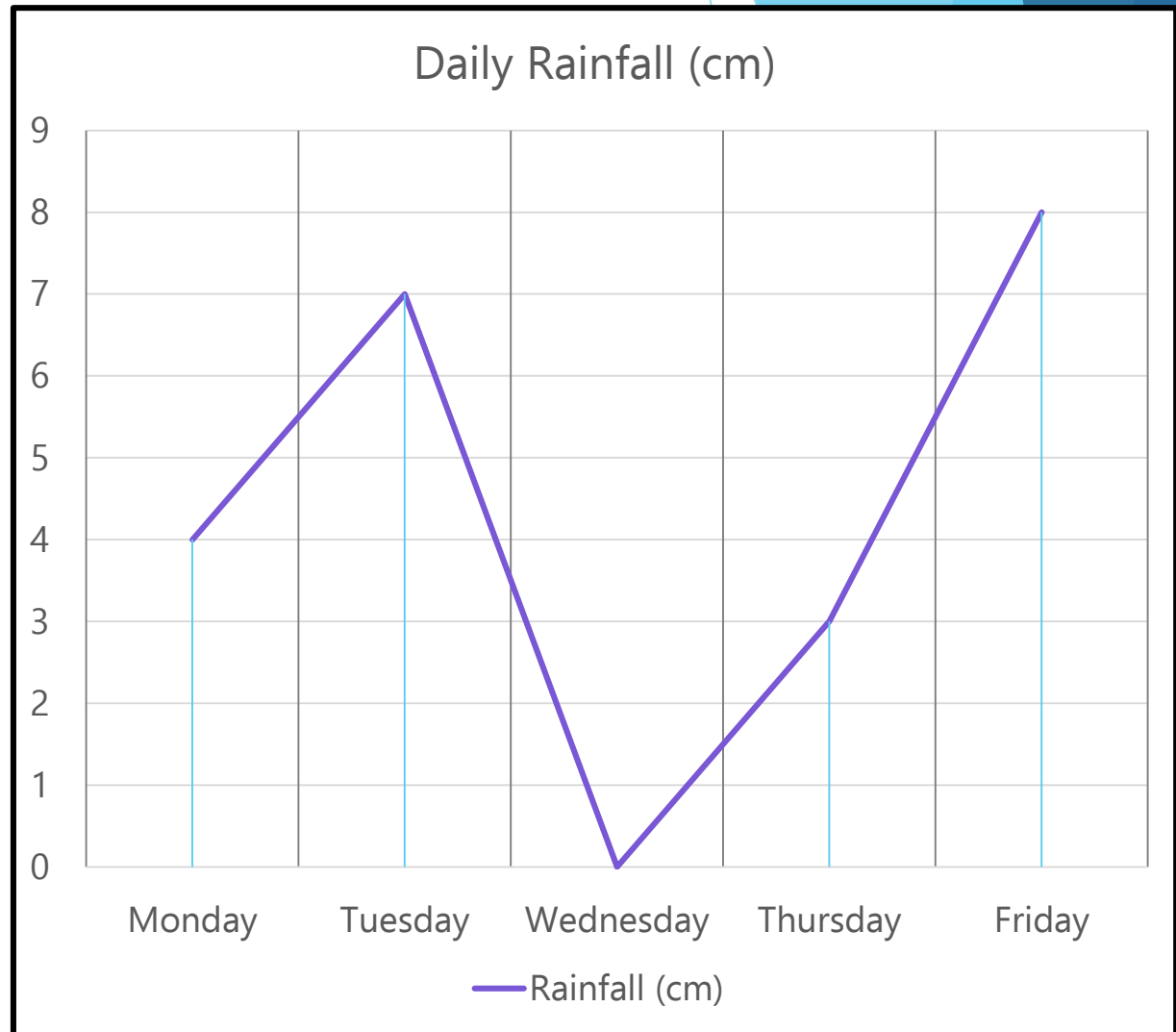
The difference in rainfall between the day with the most and the day with the least rainfall is ____ cm.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

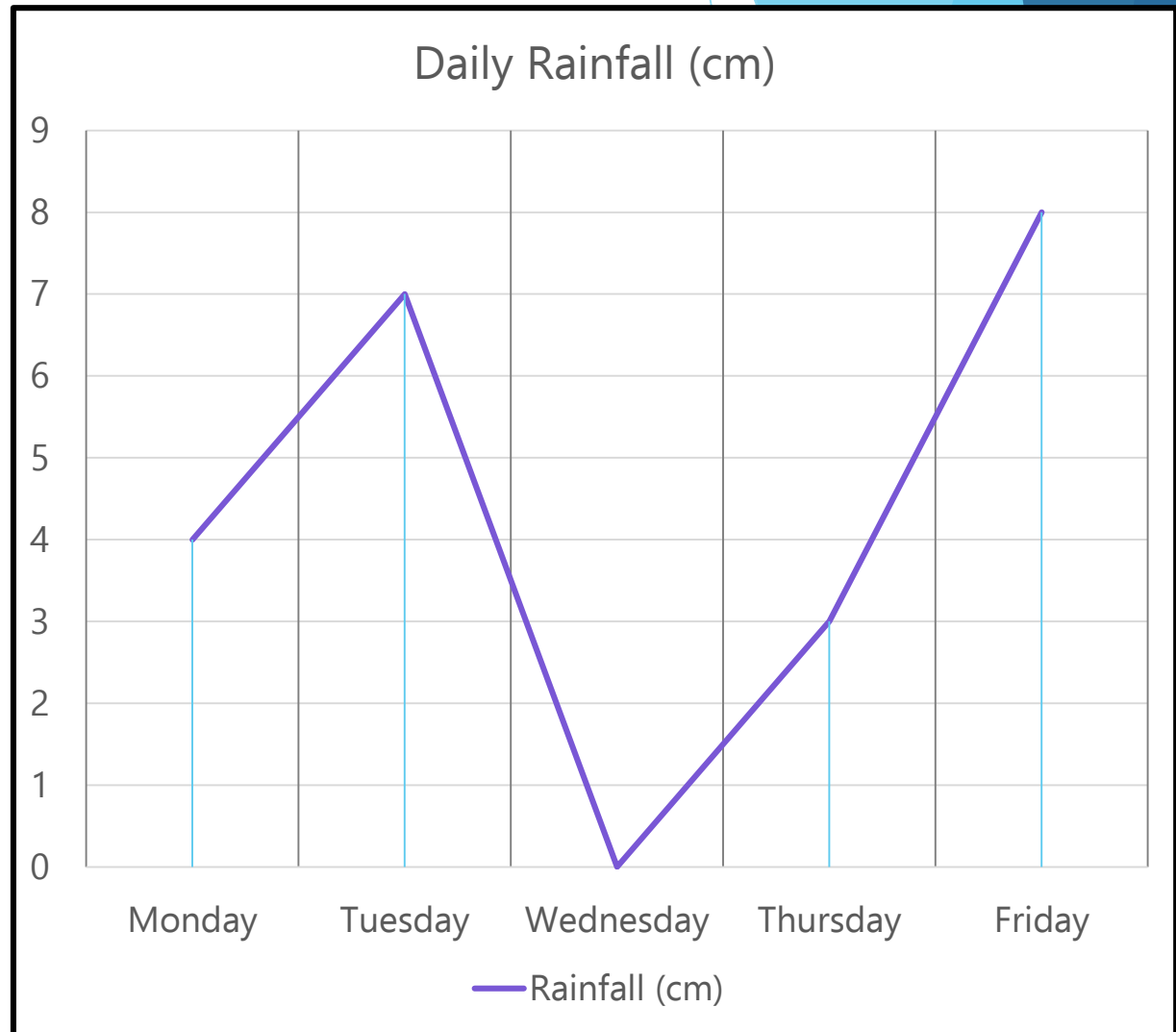
The difference in rainfall between the day with the most and the day with the least rainfall is 8 cm.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

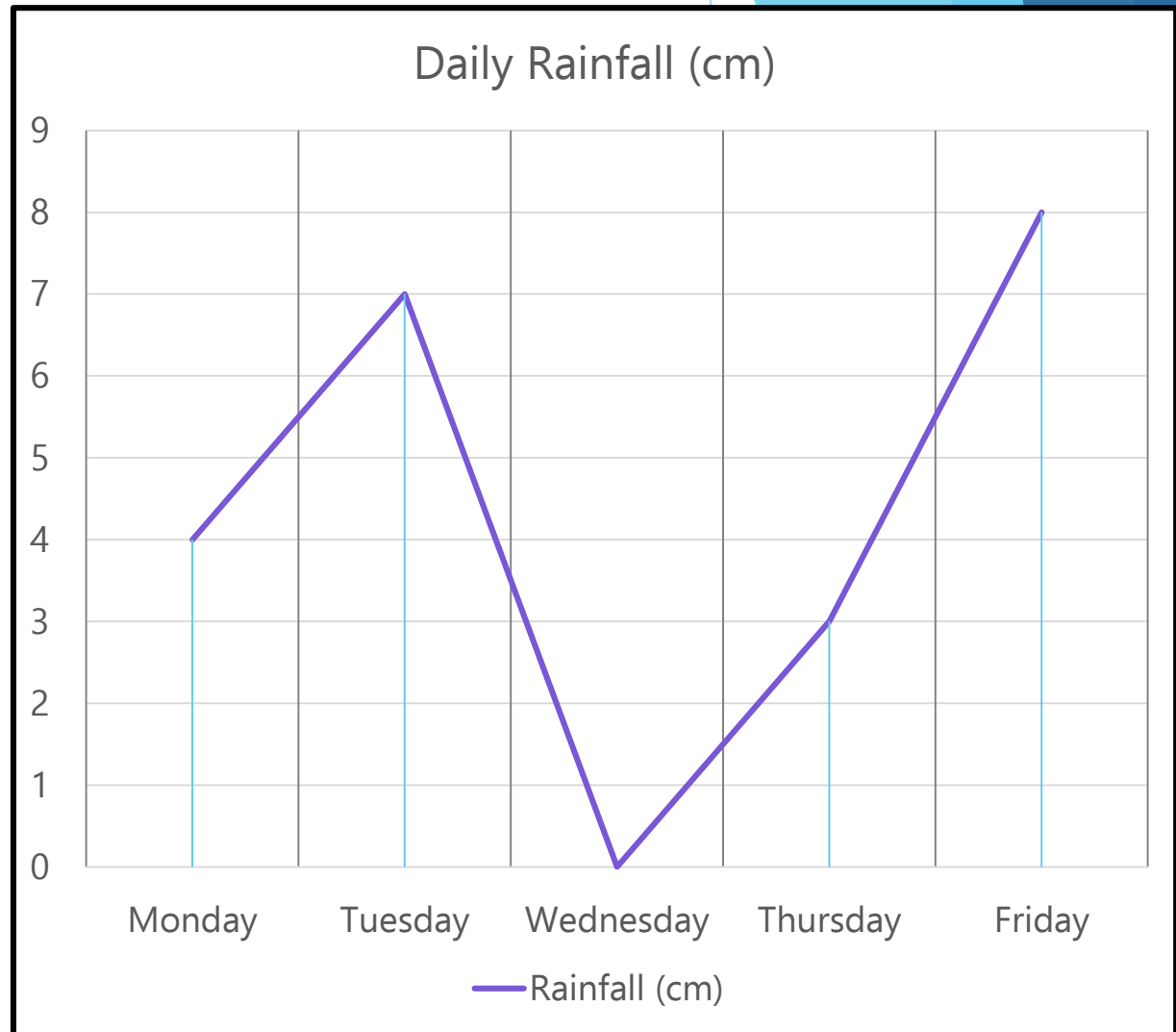
It did not rain on



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

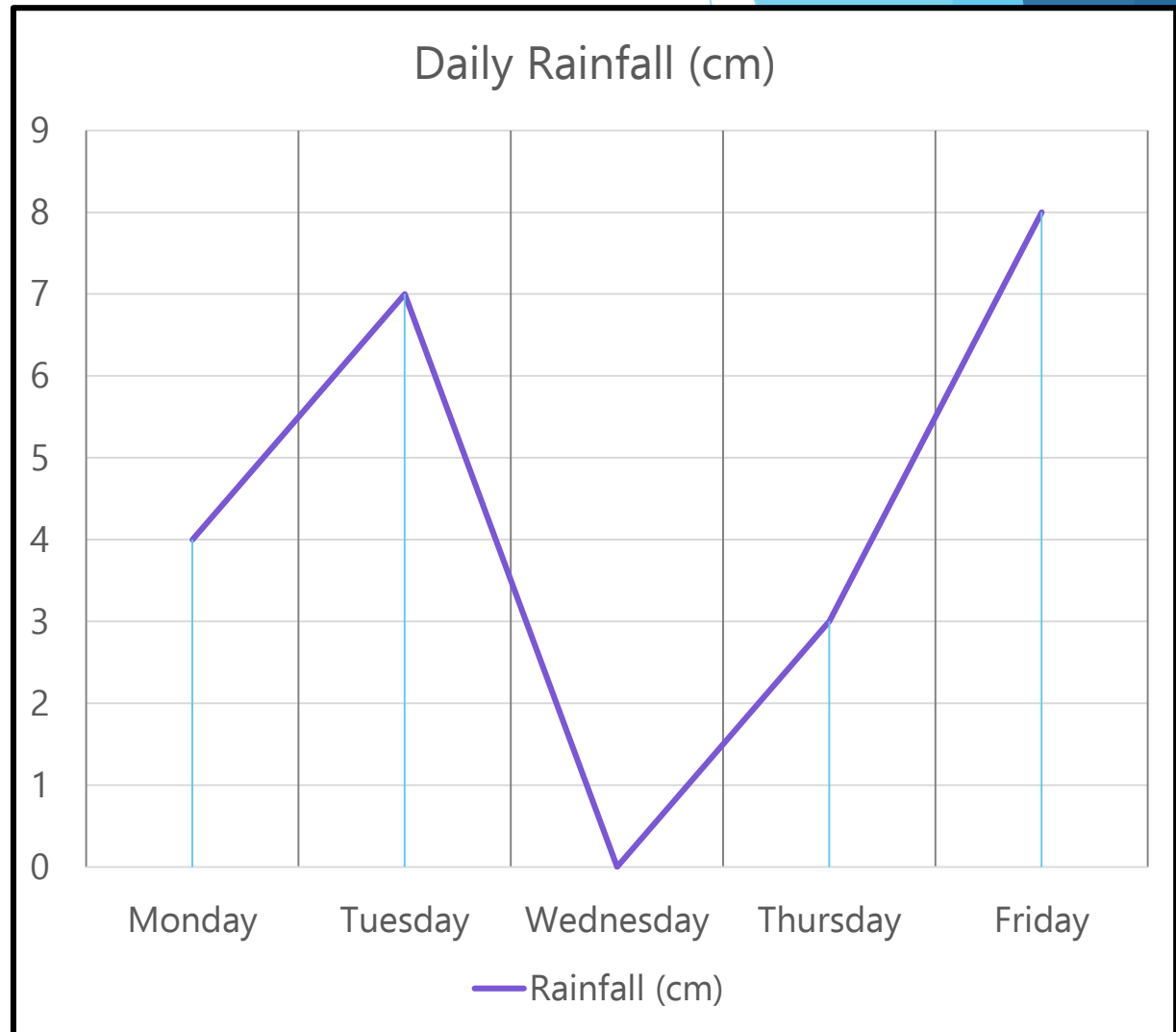
It did not rain on Wednesday.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

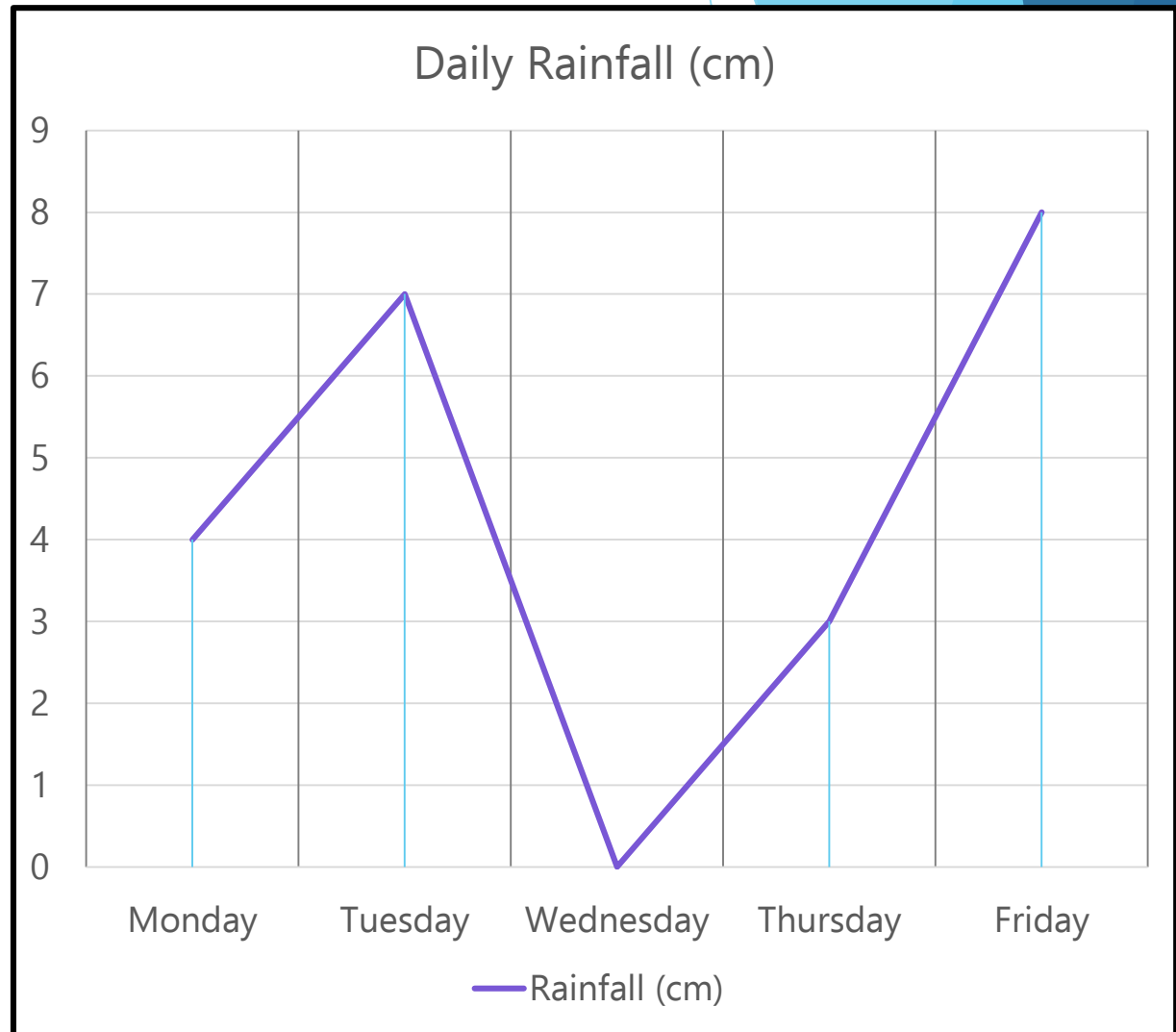
There was ____ cm more rainfall on Tuesday than on Thursday.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

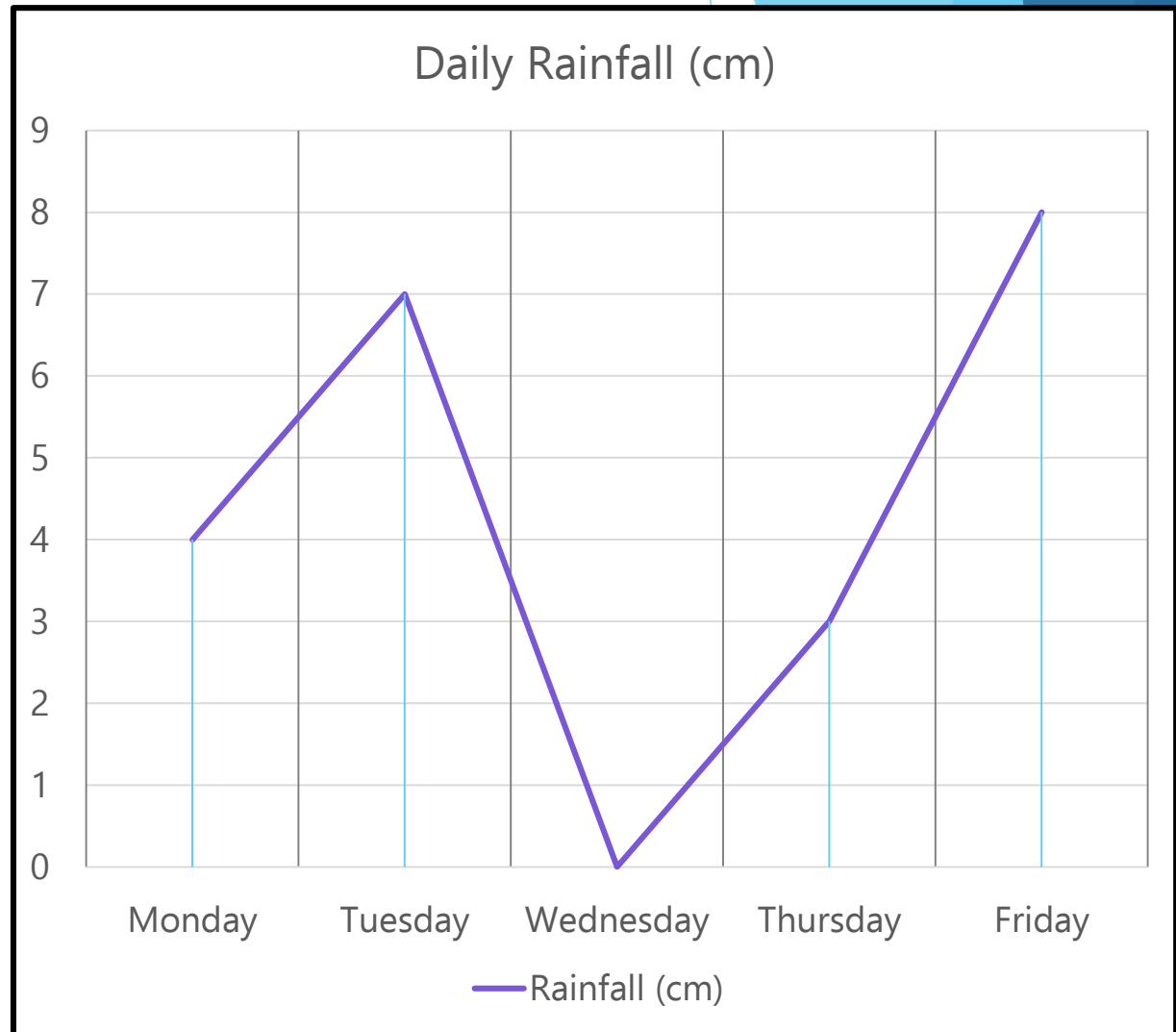
There was 4 cm more rainfall on Tuesday than on Thursday.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

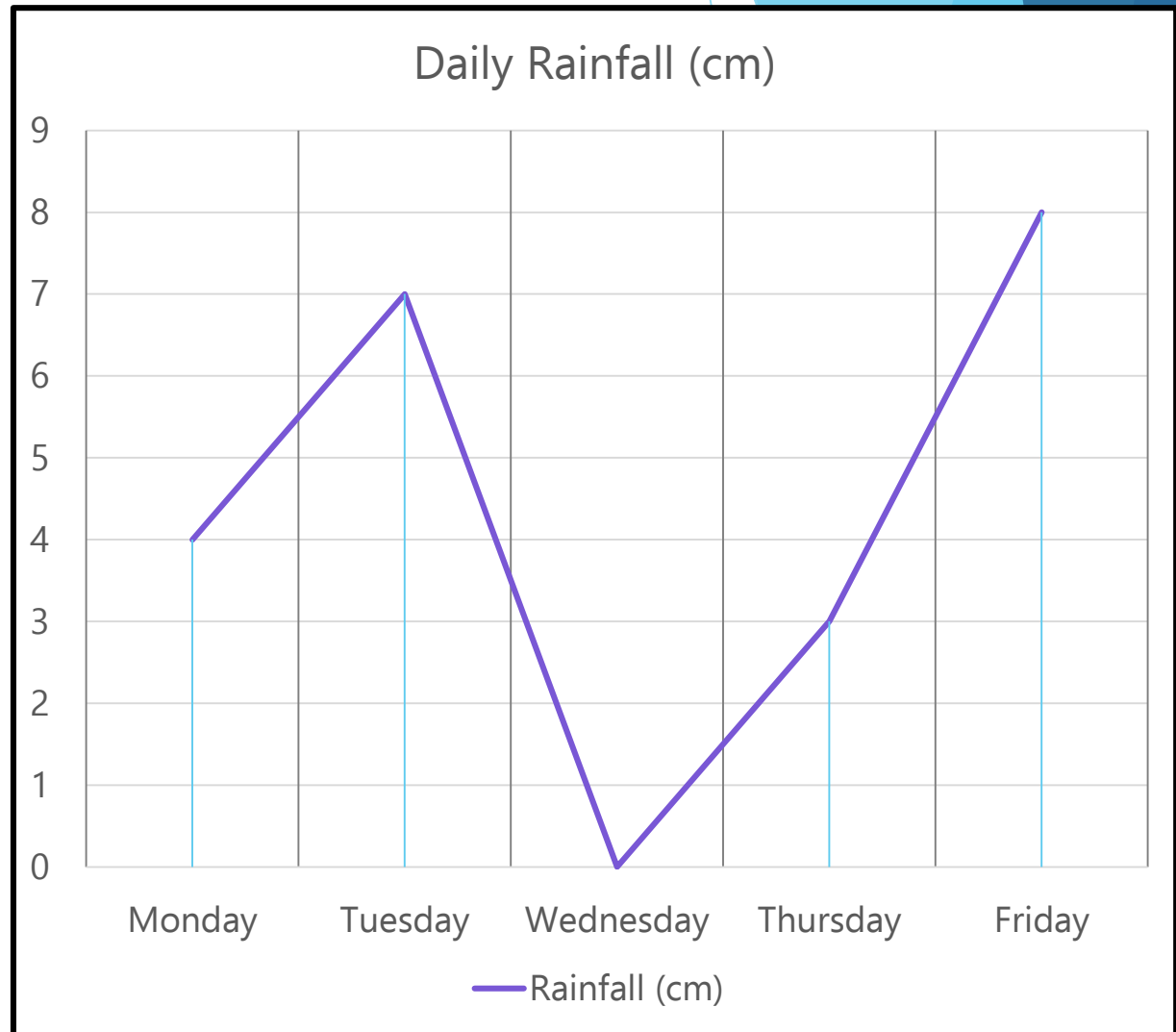
If it rained twice as much on Saturday as it did on Friday, then there were ____ cm of rainfall on Saturday.



To be able to make comparisons, find the sum and difference using line graphs

Complete the sentence below.

If it rained twice as much on Saturday as it did on Friday, then there were **16** cm of rainfall on Saturday.



To be able to make comparisons, find the sum and difference using line graphs

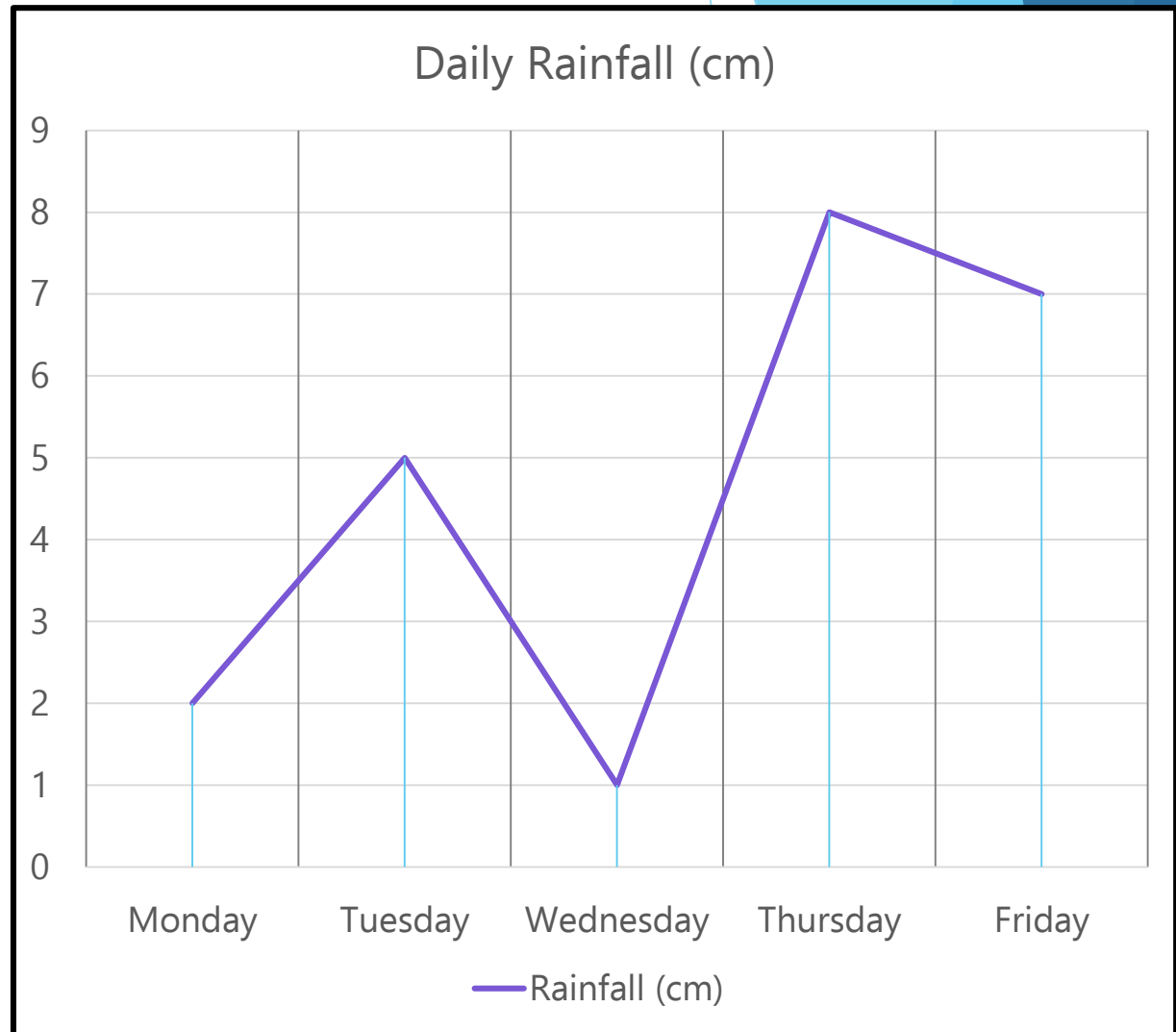
Activity 1:

Complete the sentence below.

There was ____ cm more rainfall on Thursday than on Wednesday.

If it rained three times as much on Saturday as it did on Friday, then there were ____ cm of rainfall on Saturday.

Write your own *fill in the blanks!*



To be able to make comparisons, find the sum and difference using line graphs

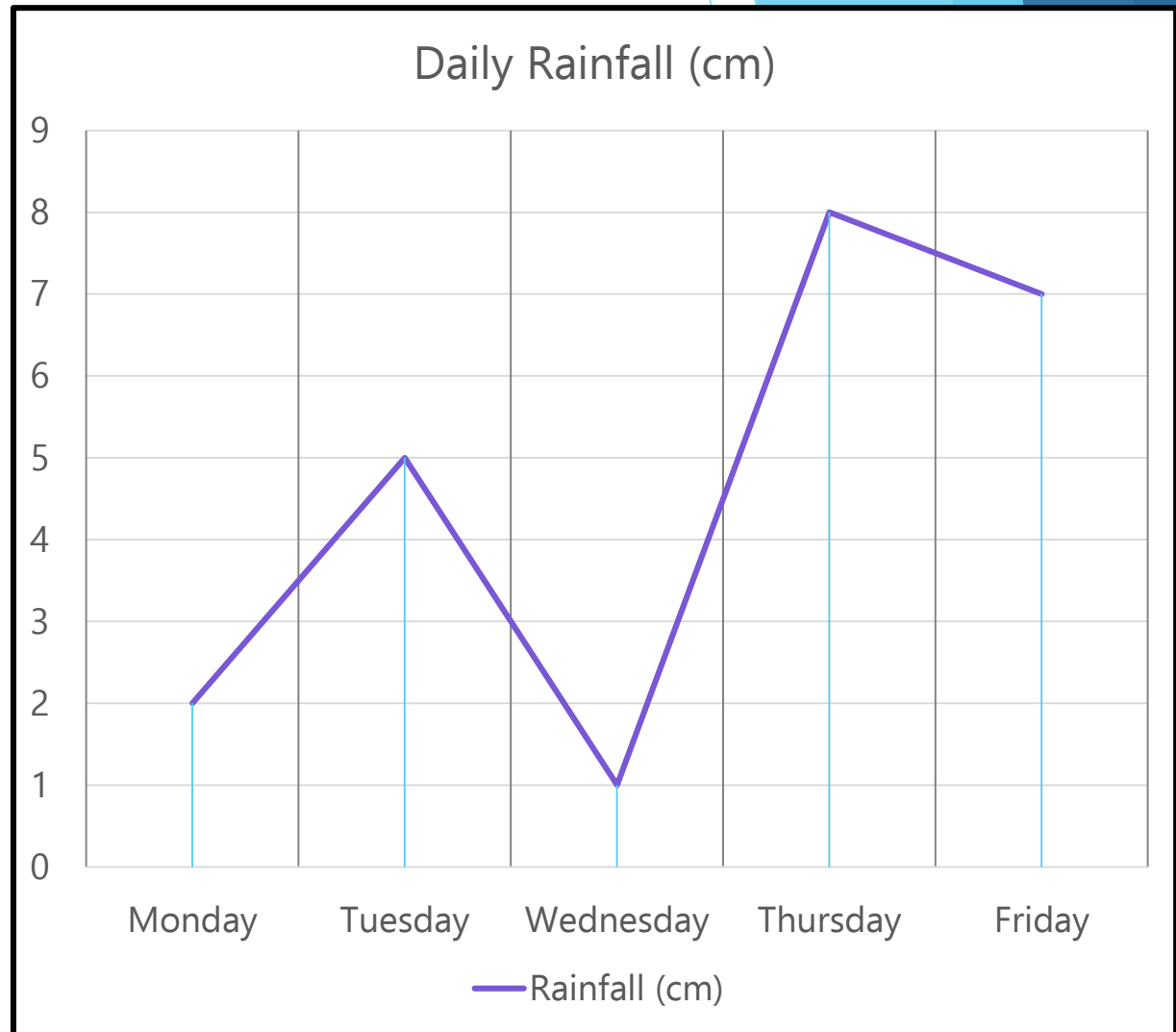
Activity 1:

Complete the sentence below.

There was 7 cm more rainfall on Thursday than on Wednesday.

If it rained three times as much on Saturday as it did on Friday, then there were ____ cm of rainfall on Saturday.

Write your own *fill in the blanks!*



To be able to make comparisons, find the sum and difference using line graphs

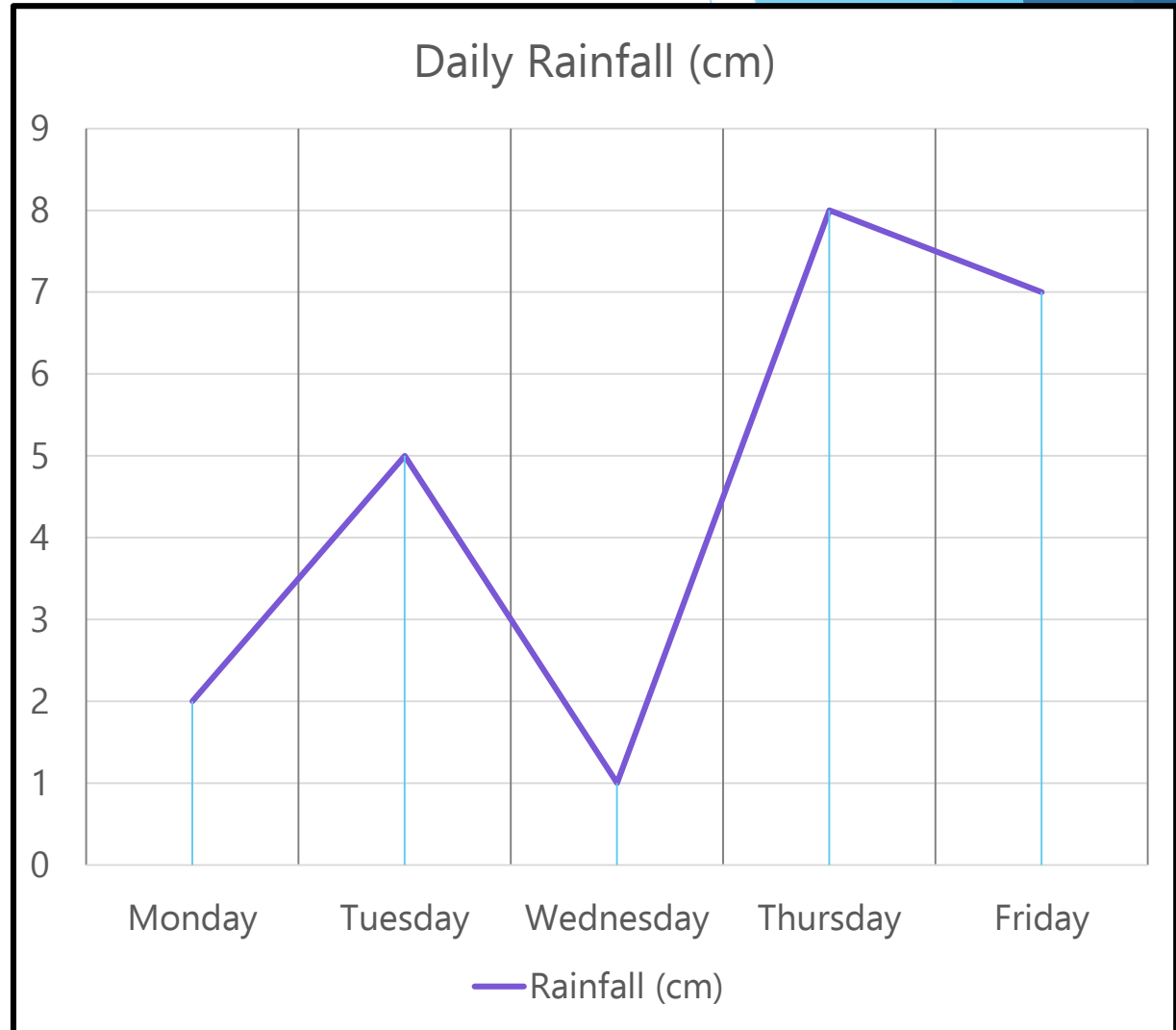
Activity 1:

Complete the sentence below.

There was 7 cm more rainfall on Thursday than on Wednesday.

If it rained three times as much on Saturday as it did on Friday, then there were 21 cm of rainfall on Saturday.

Write your own *fill in the blanks!*



To be able to make comparisons, find the sum and difference using line graphs

Activity 2:

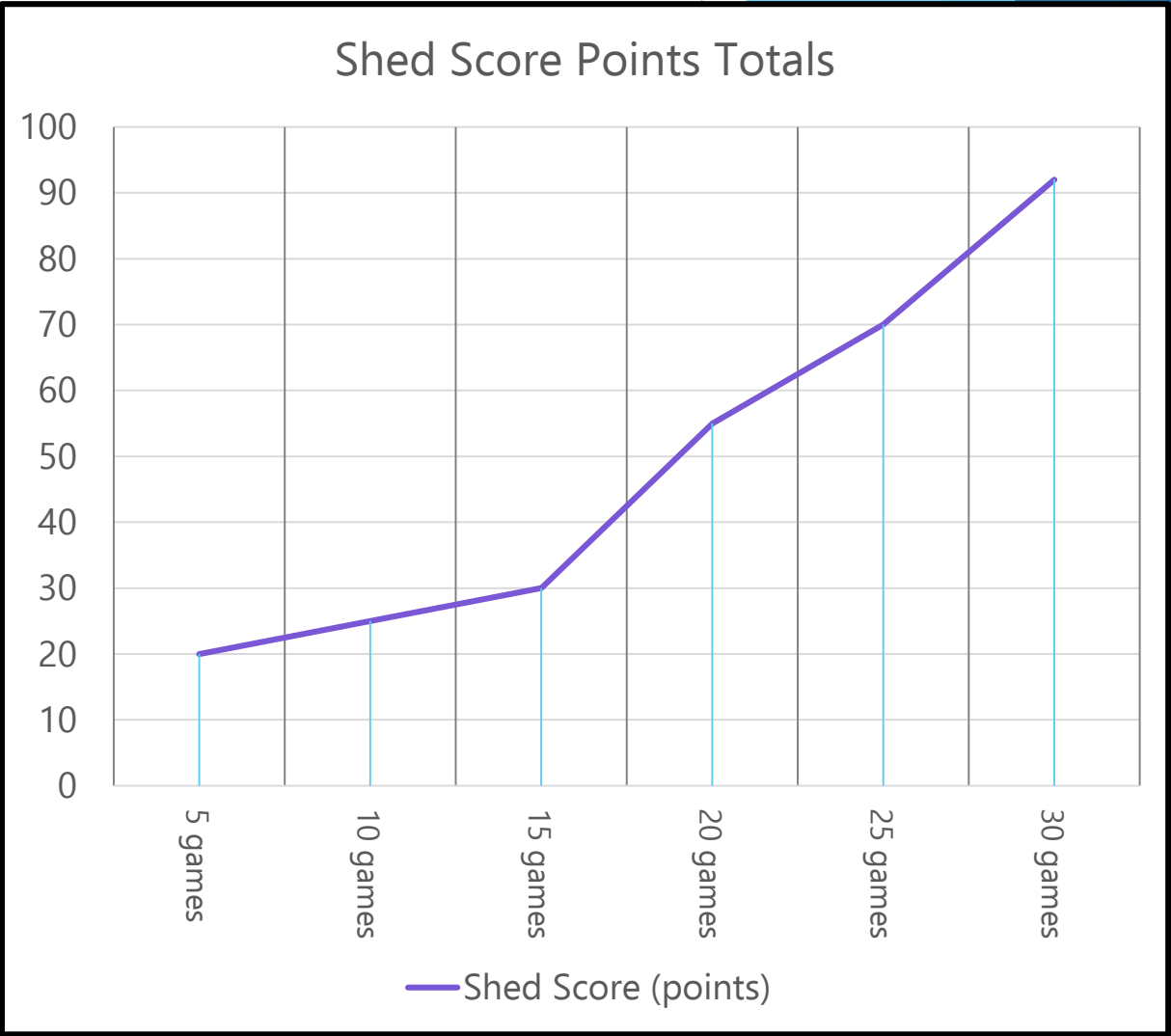
The line graph shows a group’s Shed Score after 30 Hive Games.

Use the line graph to complete the table and the sentence below.

games played	5					30
total points	20					92

— points were scored between game 15 and game 30.

Write your own *fill in the blanks!*



To be able to make comparisons, find the sum and difference using line graphs

Activity 2:

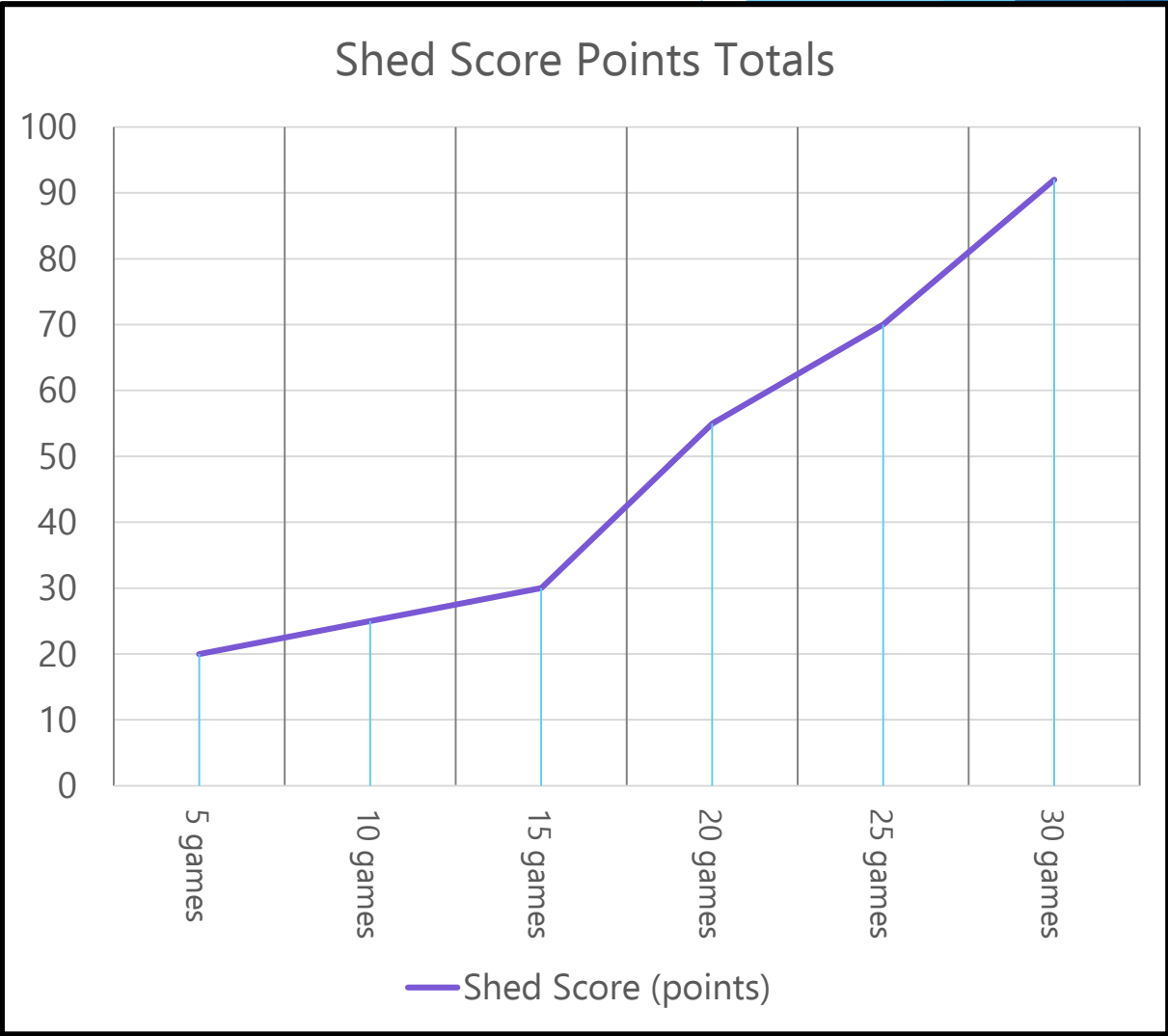
The line graph shows a group’s Shed Score after 30 Hive Games.

Use the line graph to complete the table and the sentence below.

games played	5	10	15	20	25	30
total points	20	25	30	55	70	92

— points were scored between game 15 and game 30.

Write your own *fill in the blanks!*



To be able to make comparisons, find the sum and difference using line graphs

Activity 2:

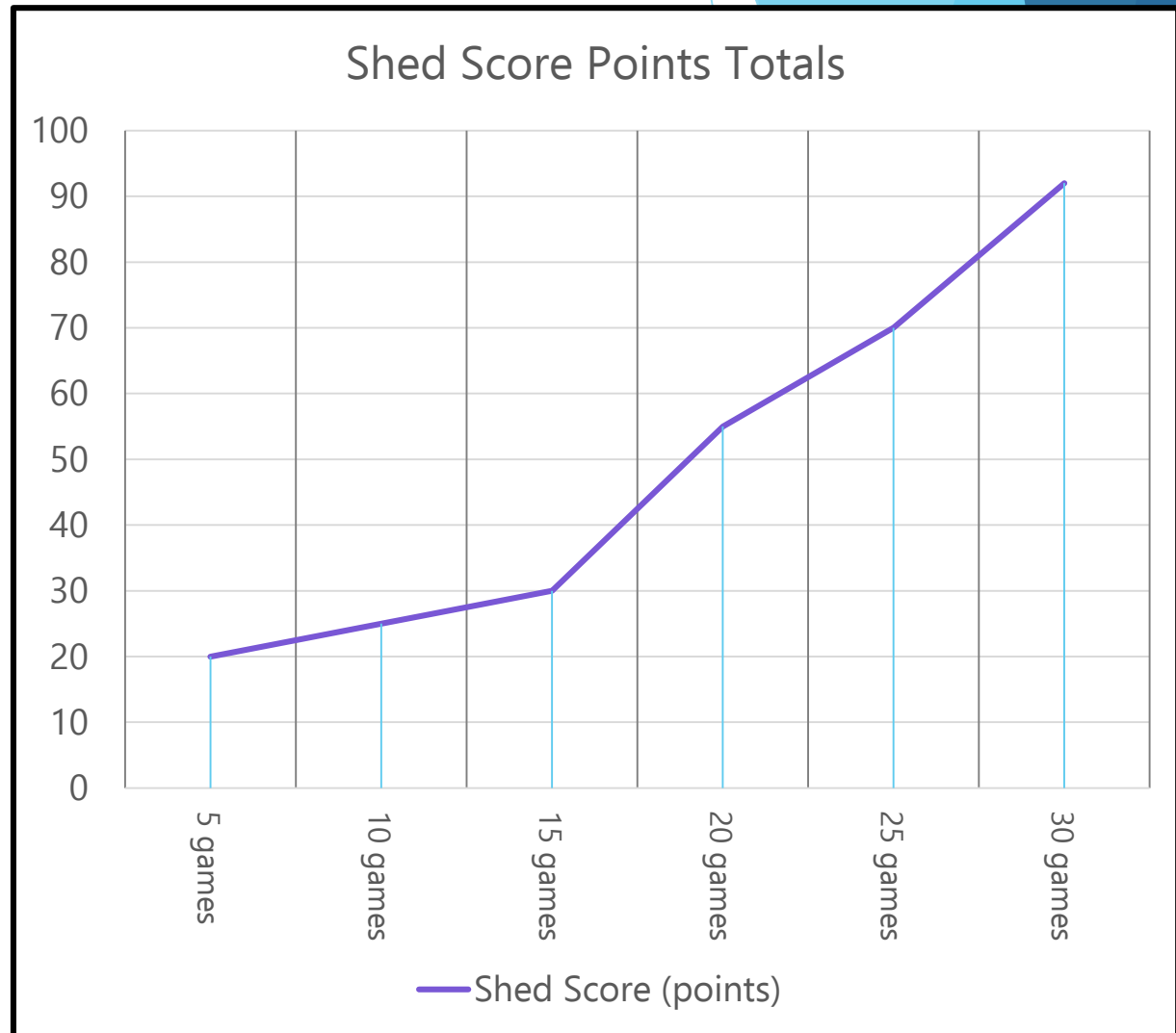
The line graph shows a group's Shed Score after 30 Hive Games.

Use the line graph to complete the table and the sentence below.

games played	5	10	15	20	25	30
total points	20	25	30	55	70	92

62 points were scored between game 15 and game 30.

Write your own *fill in the blanks!*

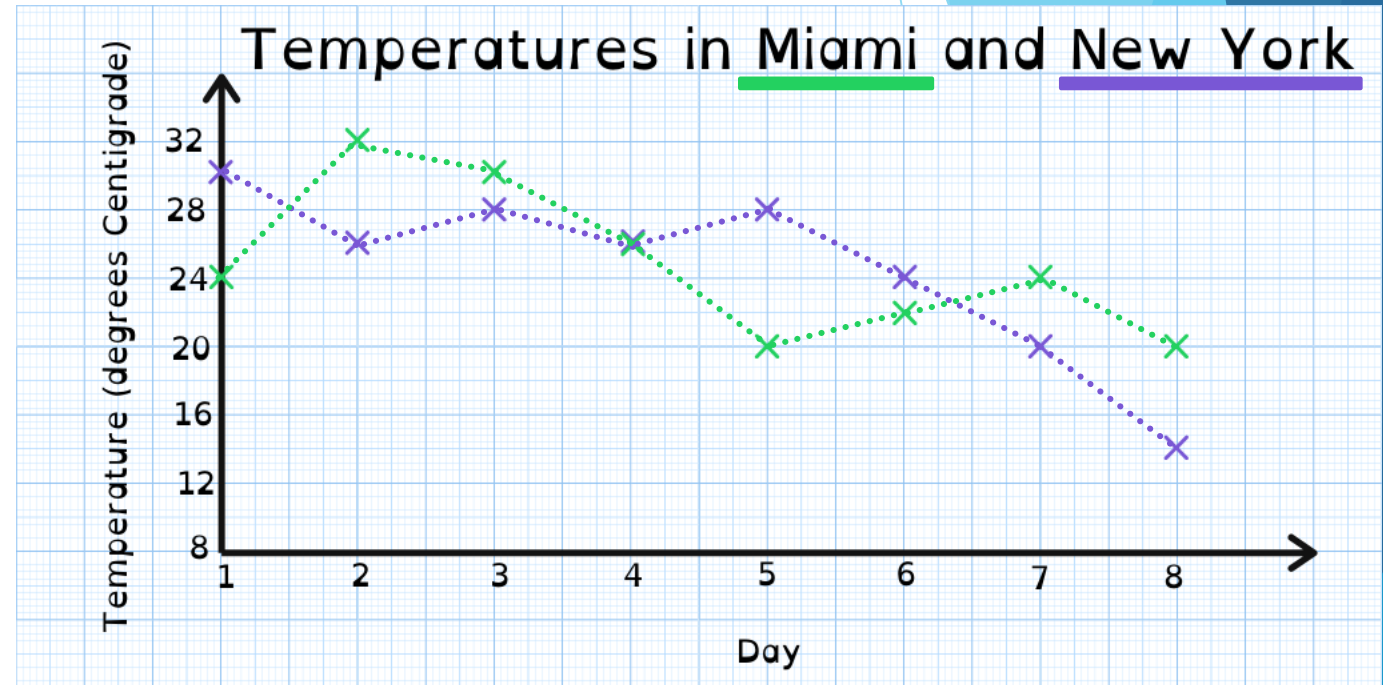


To be able to make comparisons, find the sum and difference using line graphs

Activity 3:

Complete the sentences below.

Write your own fill in
the blanks!



Both cities had the same temperature on Day ____.

The greatest daily temperature difference was ____°C on Day ____.

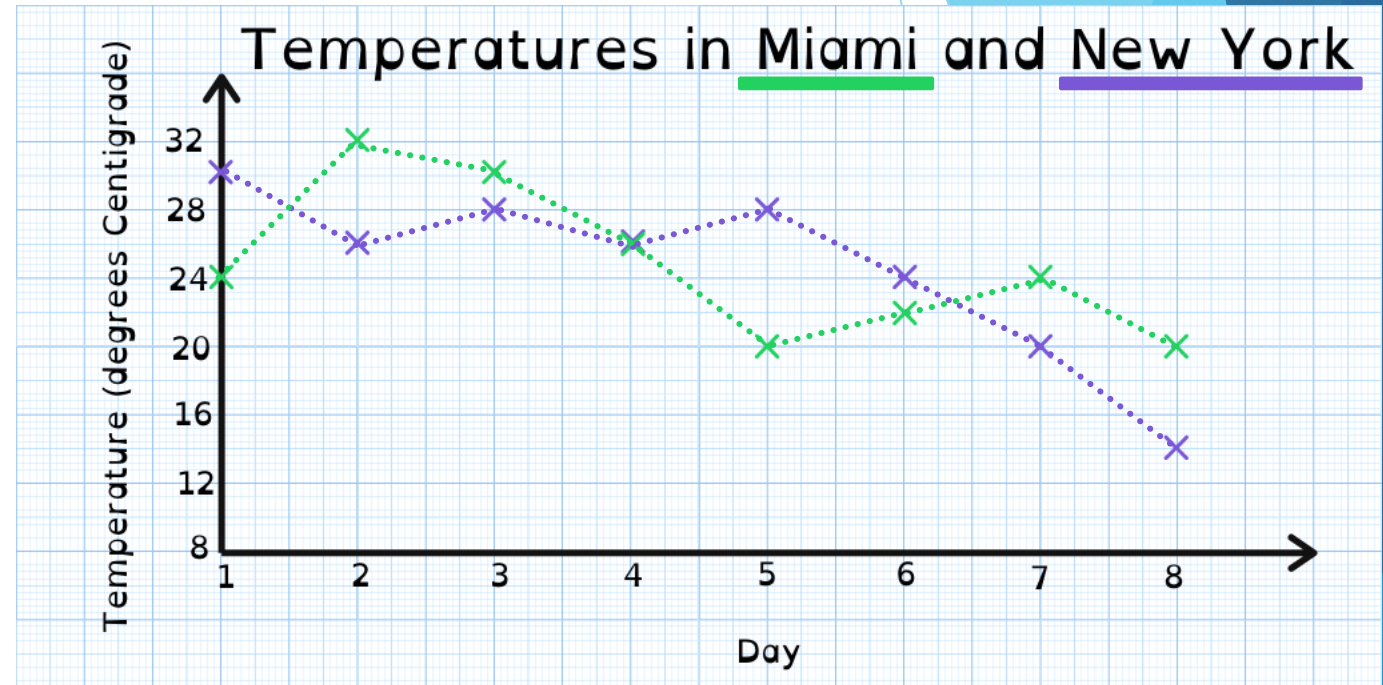
The difference between the highest and lowest readings is ____°C.

To be able to make comparisons, find the sum and difference using line graphs

Activity 3:

Complete the sentences below.

Write your own fill in the blanks!



Both cities had the same temperature on Day 4.

The greatest daily temperature difference was ____°C on Day ____.

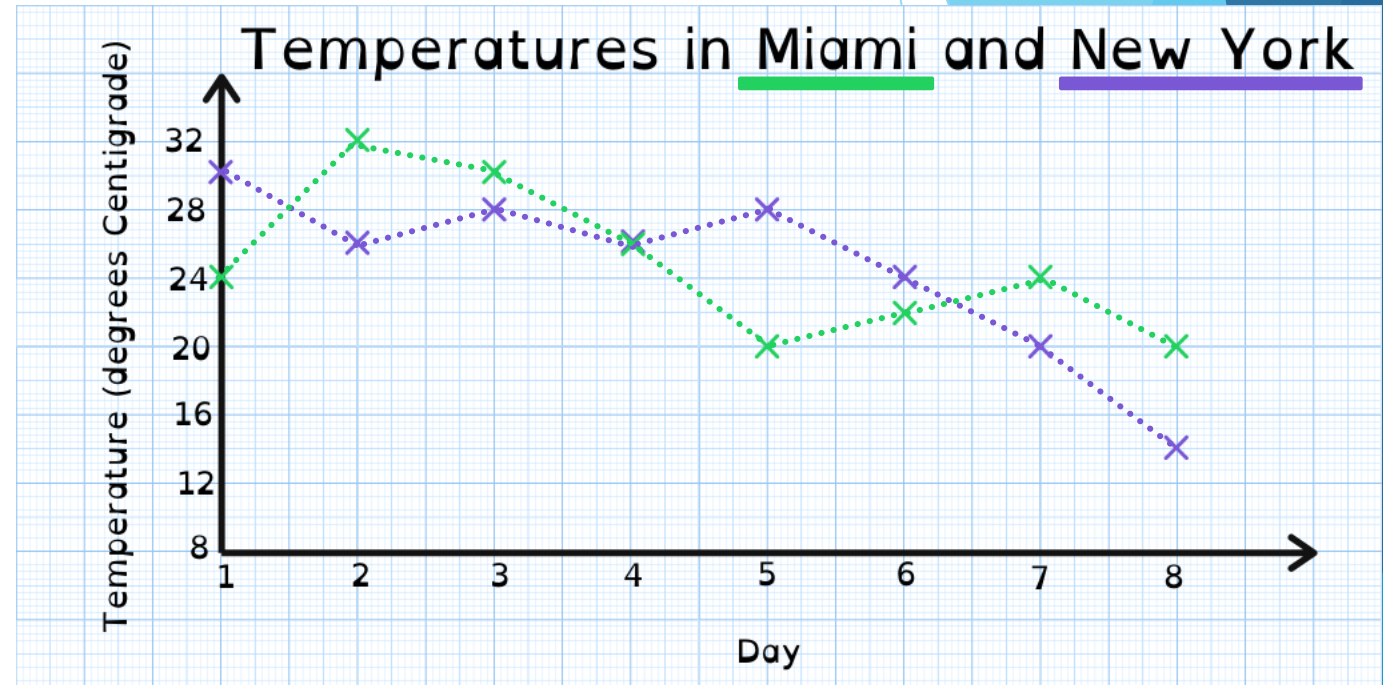
The difference between the highest and lowest readings is ____°C.

To be able to make comparisons, find the sum and difference using line graphs

Activity 3:

Complete the sentences below.

Write your own fill in the blanks!



Both cities had the same temperature on Day 4.

The greatest daily temperature difference was 8°C on Day 5.

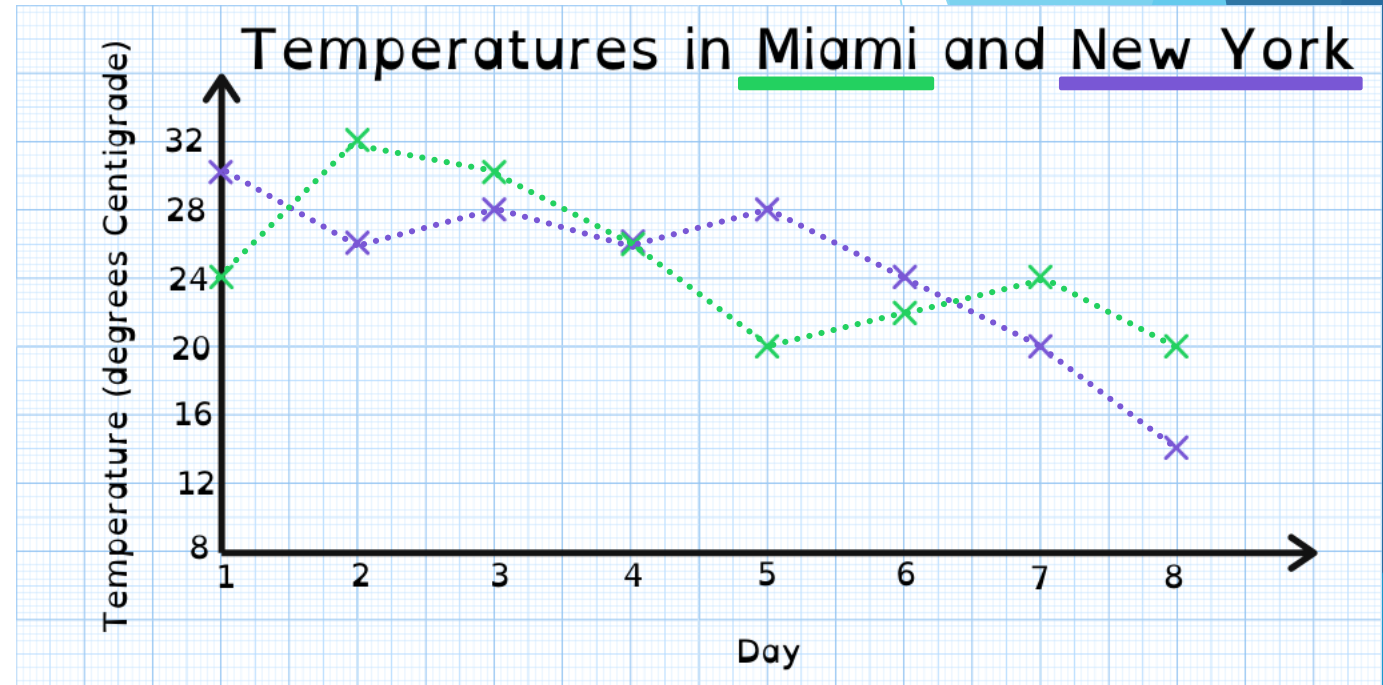
The difference between the highest and lowest readings is ____°C.

To be able to make comparisons, find the sum and difference using line graphs

Activity 3:

Complete the sentences below.

Write your own fill in the blanks!



Both cities had the same temperature on Day **4**.

The greatest daily temperature difference was **8°C** on Day **5**.

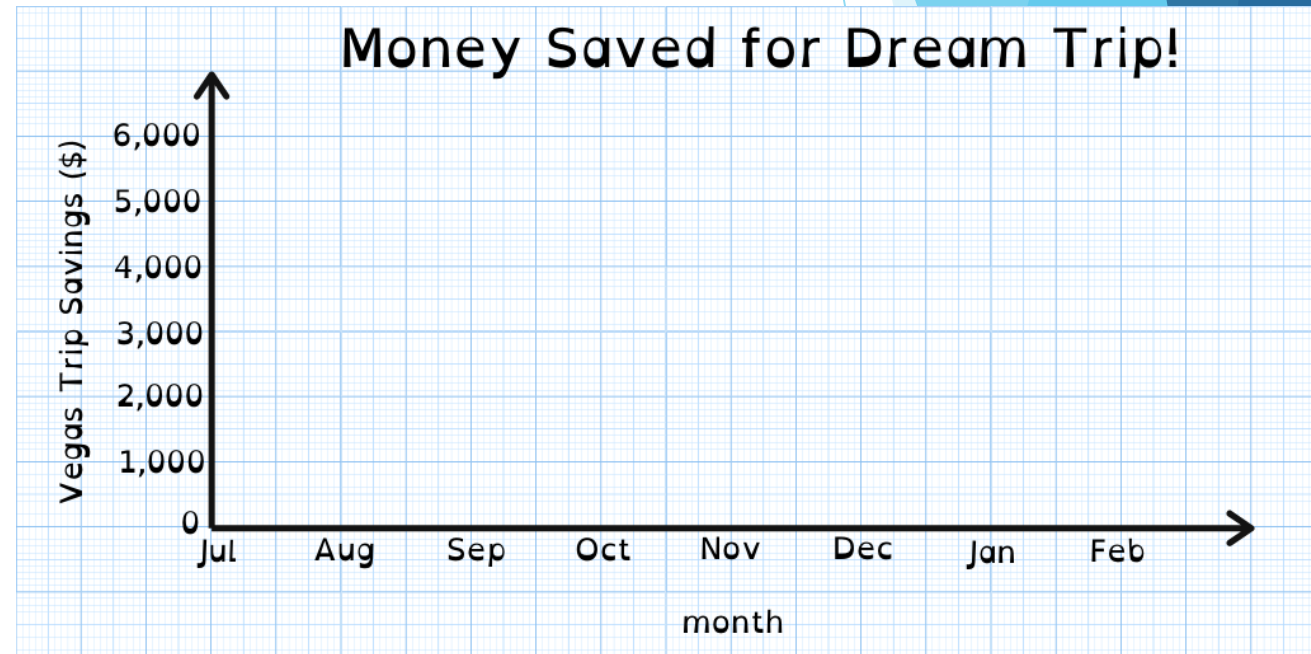
The difference between the highest and lowest readings is **18°C**.

To be able to make comparisons, find the sum and difference using line graphs

Activity 4:

Use the clues to complete the graph.

- ▶ There is \$800 in the account in July.
- ▶ There is \$700 more in the account in August.
- ▶ There is \$300 less in September than in August.
- ▶ There is \$1,000 more in October than in July.
- ▶ In November there is \$5,000 take away July's savings amount.
- ▶ There is \$6,000 - \$500 in December.



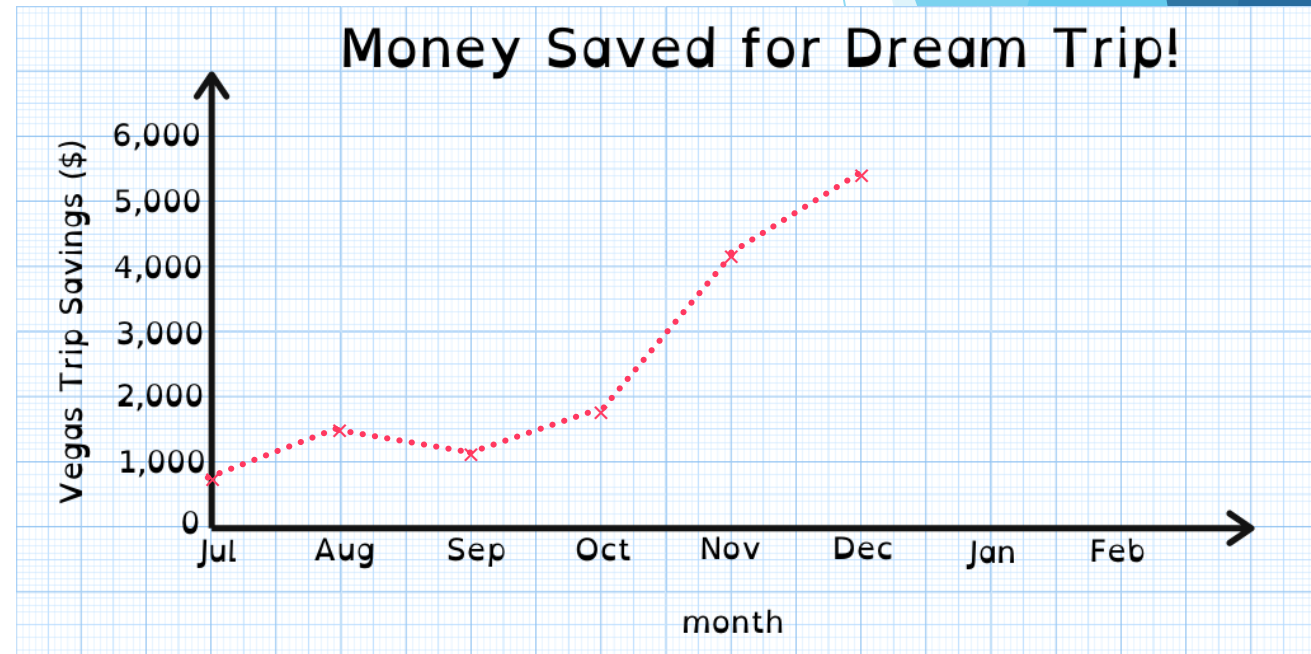
Write your own clues for January and February!

To be able to make comparisons, find the sum and difference using line graphs

Activity 4:

Use the clues to complete the graph.

- ▶ There is \$800 in the account in July.
- ▶ There is \$700 more in the account in August.
- ▶ There is \$300 less in September than in August.
- ▶ There is \$1,000 more in October than in July.
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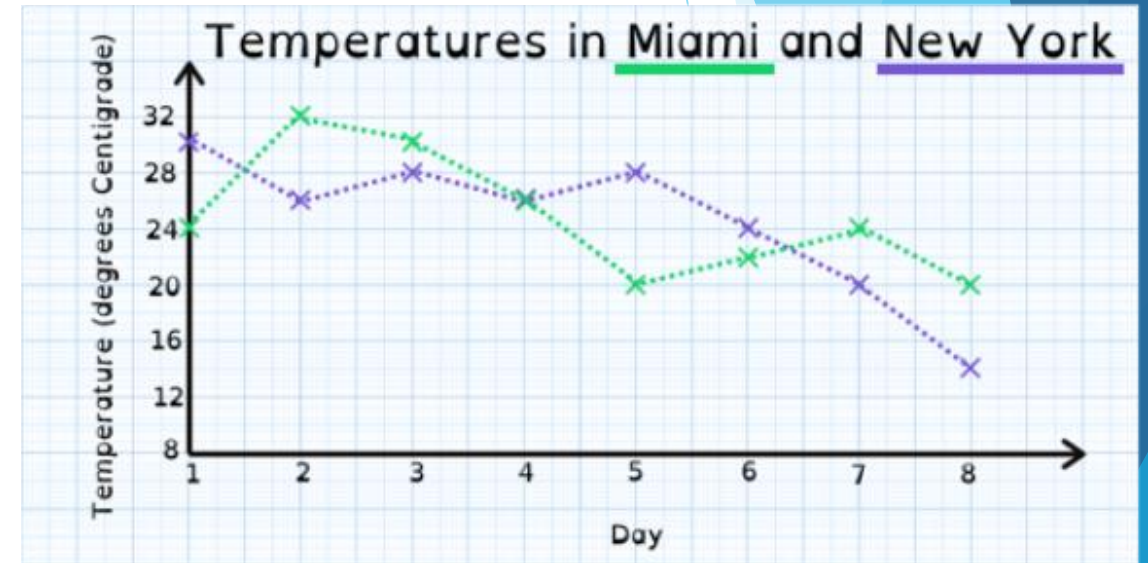
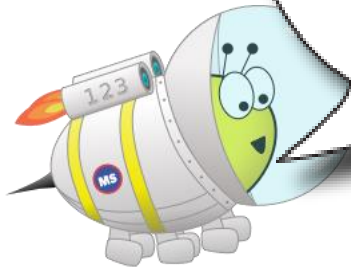


Write your own clues for January and February!

To be able to make comparisons, find the sum and difference using line graphs

Evaluation:

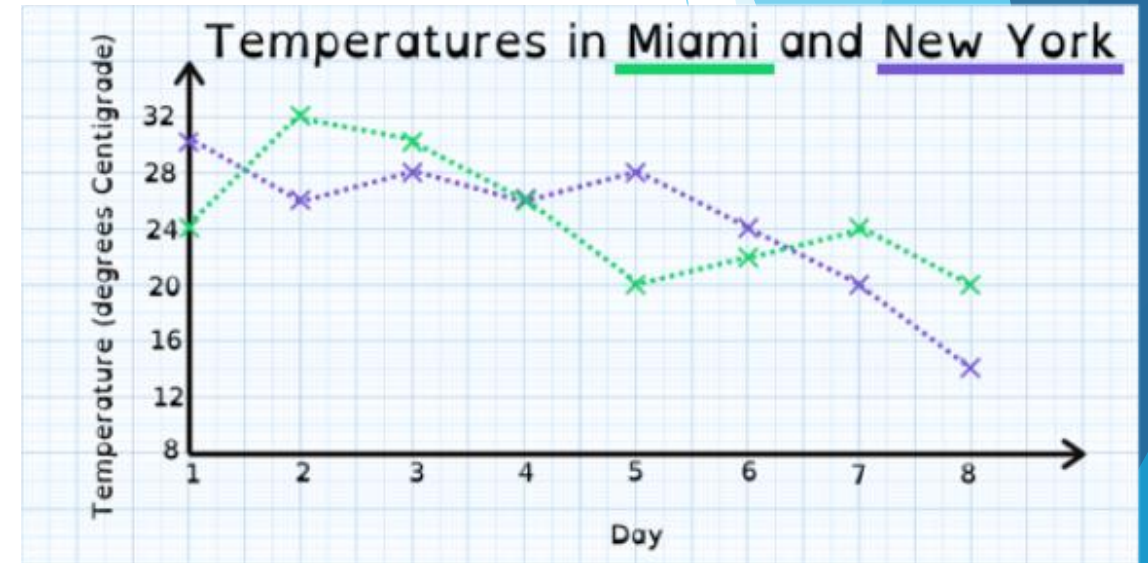
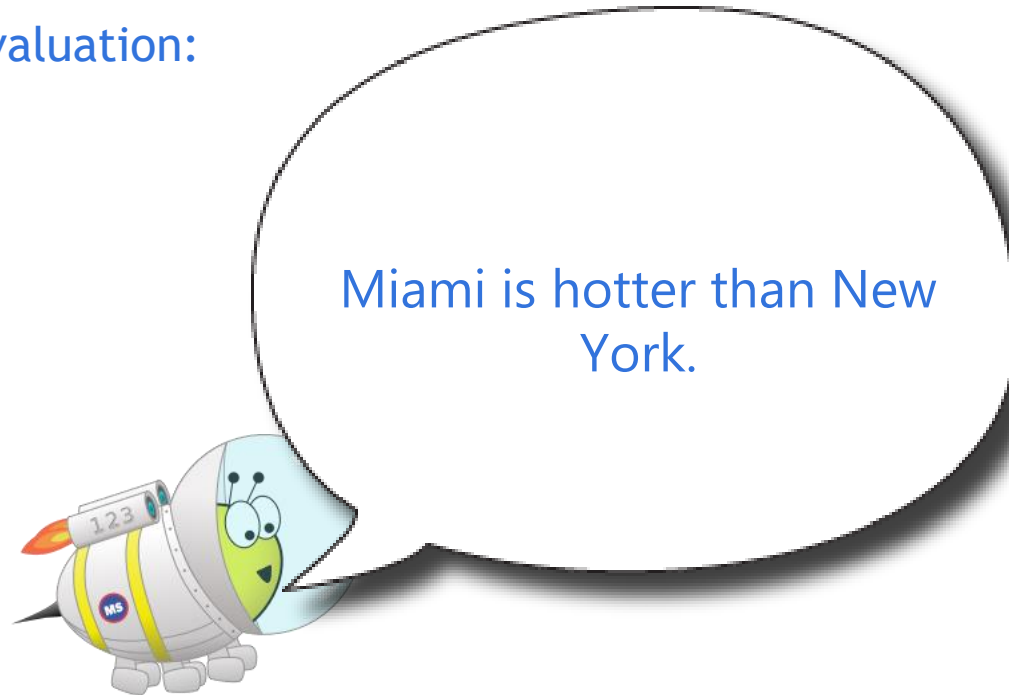
Miami is hotter than New York.



Is Astrobee's statement always, sometimes or never true?
Explain your answer.

To be able to make comparisons, find the sum and difference using line graphs

Evaluation:



Astrobee's statement is only sometimes true. Although Miami is hotter than New York on Days 2, 3, 7 and 8, New York is hotter on Days 1, 5 and 6, and both cities have the same temperature recorded on Day 4.