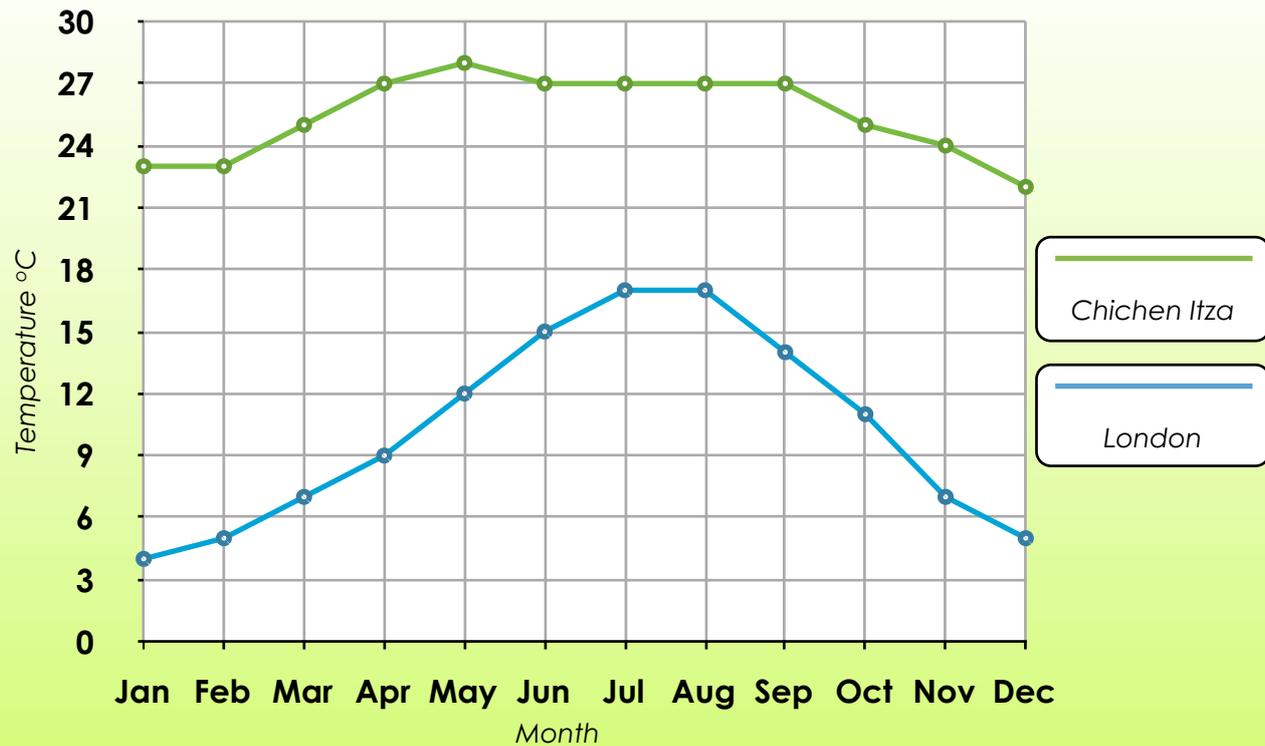


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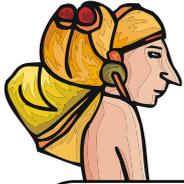
Look at this graph showing the difference in temperature between Chichen Itza, Mexico and London, England, then answer the questions.

**A graph to show the average monthly temperatures of Chichen Itza and London**

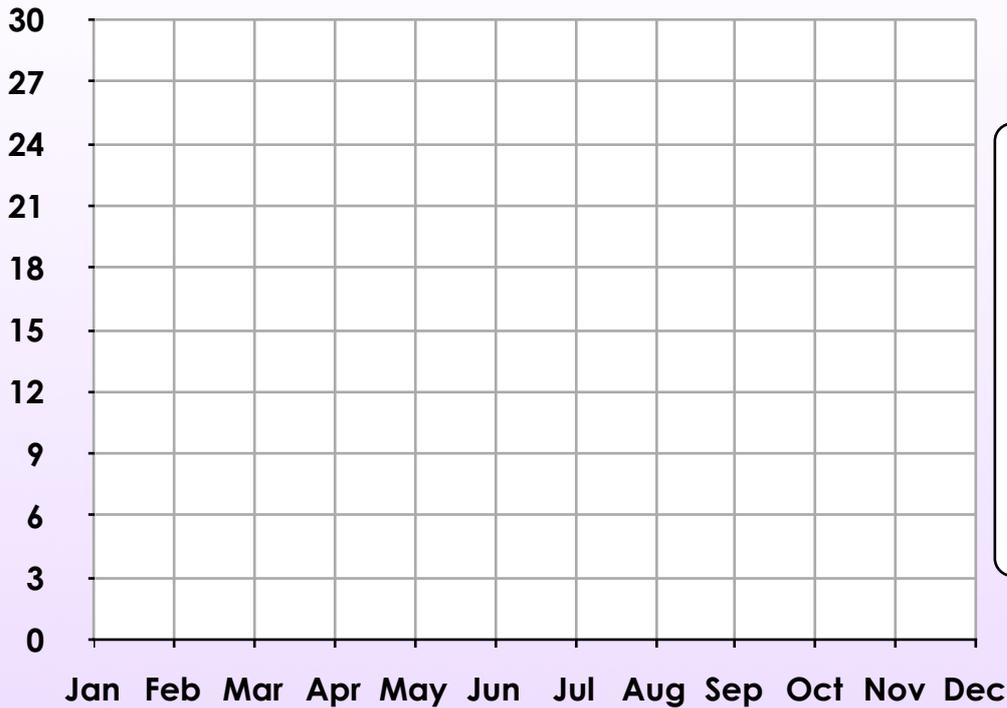


1. Which location is hotter: Chichen Itza or London?
2. Which is the hottest month in Chichen Itza?
3. Which are the hottest months in London?
4. How much hotter is Chichen Itza than London in December?
5. How much colder is London than Chichen Itza in May?
6. What is the hottest average temperature in Chichen Itza?
7. What is the hottest average temperature in London?
8. What is the coldest average temperature in Chichen Itza?
9. What is the coldest average temperature in London?
10. How would you describe the difference in temperatures between London and Chichen Itza?

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Use the Fact Cards to plot two lines on this graph to show the average temperatures in Palenque, Mexico and London, England. Don't forget to add a title and label each axis.



Key

Now list five facts about the difference in temperature between Chichen Itza and London.

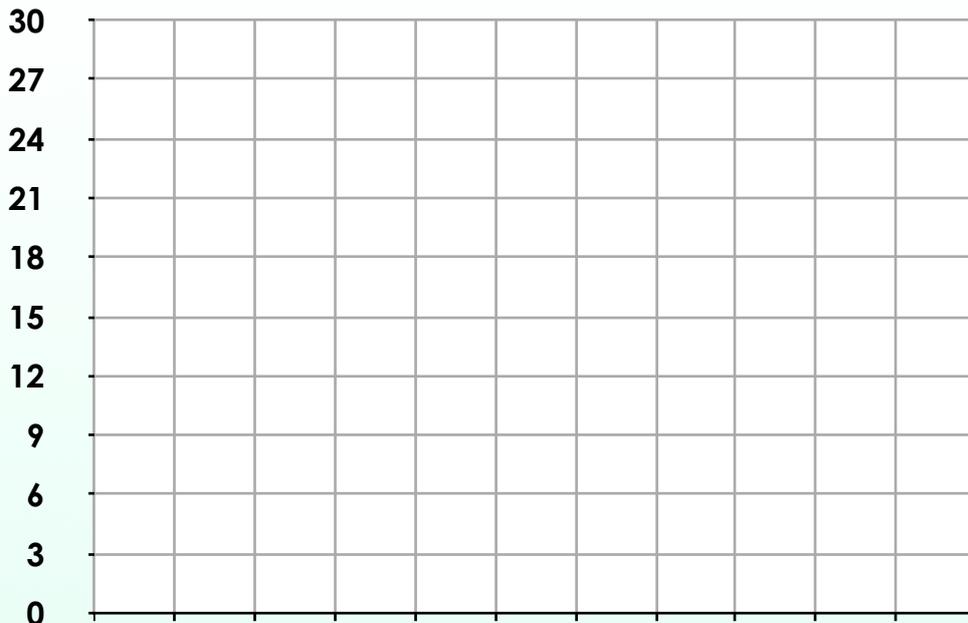



Name: \_\_\_\_\_ Date: \_\_\_\_\_



Use the Information Sheet to plot two line graphs to show the average temperature and precipitation of Chichen Itza, Mexico and London, England. You will need two lines for each graph.

**A graph to show the average monthly temperatures of Chichen Itza and London**



Key

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

**A graph to show the average monthly precipitation of Chichen Itza and London**



Key

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Use your graphs to help you answer these questions about the climate of Chichen Itza, Mexico and London, England.

1. Which location has a hotter climate?

2. What is the highest average temperature of London?

3. What is the highest average temperature of Chichen Itza?

4. What is the difference between London's lowest temperature and Chichen Itza's lowest temperature?

5. What is the difference between London's highest temperature and Chichen Itza's highest temperature?

6. What is the range of average temperatures in London?

7. What is the range of average temperatures in Chichen Itza?

8. How much rainfall does Chichen Itza have in an average year?

9. How much rainfall does London have in an average year?

10. What is the difference in rainfall between London and Chichen Itza in September?

Describe what these graphs tell you about the difference in climate between Chichen Itza and London.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Use an online map to explore the area in which the Maya lived. What is it like today? Use the questions to help you and write notes in the boxes below.



- ❖ What are the cities like?
- ❖ What is the landscape like?
- ❖ What are the buildings like?
- ❖ What kind of plants can you see?
- ❖ Can you find any hills or mountains?
- ❖ Can you find any rivers, lakes or streams?
- ❖ Can you find any Maya ruins, such as those at Palenque or Chichen Itza?

Landscape

Features

Cities

Rural areas

The average temperature in <b>Palenque</b> in <b>January</b> is <b>23°C</b> .	The average temperature in <b>London</b> in <b>January</b> is <b>4°C</b> .	The average temperature in <b>Palenque</b> in <b>August</b> is <b>28°C</b> .	The average temperature in <b>London</b> in <b>March</b> is <b>7°C</b> .
The average temperature in <b>London</b> in <b>July</b> is <b>17°C</b> .	The average temperature in <b>Palenque</b> in <b>December</b> is <b>23°C</b> .	The average temperature in <b>London</b> in <b>June</b> is <b>15°C</b> .	The average temperature in <b>Palenque</b> in <b>April</b> is <b>28°C</b> .
The average temperature in <b>Palenque</b> in <b>June</b> is <b>28°C</b> .	The average temperature in <b>Palenque</b> in <b>February</b> is <b>24°C</b> .	The average temperature in <b>London</b> in <b>February</b> is <b>5°C</b> .	The average temperature in <b>London</b> in <b>October</b> is <b>10°C</b> .
The average temperature in <b>London</b> in <b>May</b> is <b>12°C</b> .	The average temperature in <b>Palenque</b> in <b>October</b> is <b>26°C</b> .	The average temperature in <b>London</b> in <b>November</b> is <b>7°C</b> .	The average temperature in <b>Palenque</b> in <b>July</b> is <b>28°C</b> .
The average temperature in <b>Palenque</b> in <b>September</b> is <b>28°C</b> .	The average temperature in <b>London</b> in <b>September</b> is <b>14°C</b> .	The average temperature in <b>Palenque</b> in <b>March</b> is <b>26°C</b> .	The average temperature in <b>London</b> in <b>August</b> is <b>17°C</b> .
The average temperature in <b>London</b> in <b>April</b> is <b>9°C</b> .	The average temperature in <b>Palenque</b> in <b>May</b> is <b>29°C</b> .	The average temperature in <b>London</b> in <b>December</b> is <b>5°C</b> .	The average temperature in <b>Palenque</b> in <b>November</b> is <b>25°C</b> .

The average temperature in <b>Palenque</b> in <b>January</b> is <b>23°C</b> .	The average temperature in <b>London</b> in <b>January</b> is <b>4°C</b> .	The average temperature in <b>Palenque</b> in <b>August</b> is <b>28°C</b> .	The average temperature in <b>London</b> in <b>March</b> is <b>7°C</b> .
The average temperature in <b>London</b> in <b>July</b> is <b>17°C</b> .	The average temperature in <b>Palenque</b> in <b>December</b> is <b>23°C</b> .	The average temperature in <b>London</b> in <b>June</b> is <b>15°C</b> .	The average temperature in <b>Palenque</b> in <b>April</b> is <b>28°C</b> .
The average temperature in <b>Palenque</b> in <b>June</b> is <b>28°C</b> .	The average temperature in <b>Palenque</b> in <b>February</b> is <b>24°C</b> .	The average temperature in <b>London</b> in <b>February</b> is <b>5°C</b> .	The average temperature in <b>London</b> in <b>October</b> is <b>10°C</b> .
The average temperature in <b>London</b> in <b>May</b> is <b>12°C</b> .	The average temperature in <b>Palenque</b> in <b>October</b> is <b>26°C</b> .	The average temperature in <b>London</b> in <b>November</b> is <b>7°C</b> .	The average temperature in <b>Palenque</b> in <b>July</b> is <b>28°C</b> .
The average temperature in <b>Palenque</b> in <b>September</b> is <b>28°C</b> .	The average temperature in <b>London</b> in <b>September</b> is <b>14°C</b> .	The average temperature in <b>Palenque</b> in <b>March</b> is <b>26°C</b> .	The average temperature in <b>London</b> in <b>August</b> is <b>17°C</b> .
The average temperature in <b>London</b> in <b>April</b> is <b>9°C</b> .	The average temperature in <b>Palenque</b> in <b>May</b> is <b>29°C</b> .	The average temperature in <b>London</b> in <b>December</b> is <b>5°C</b> .	The average temperature in <b>Palenque</b> in <b>November</b> is <b>25°C</b> .

## Comparing Climates

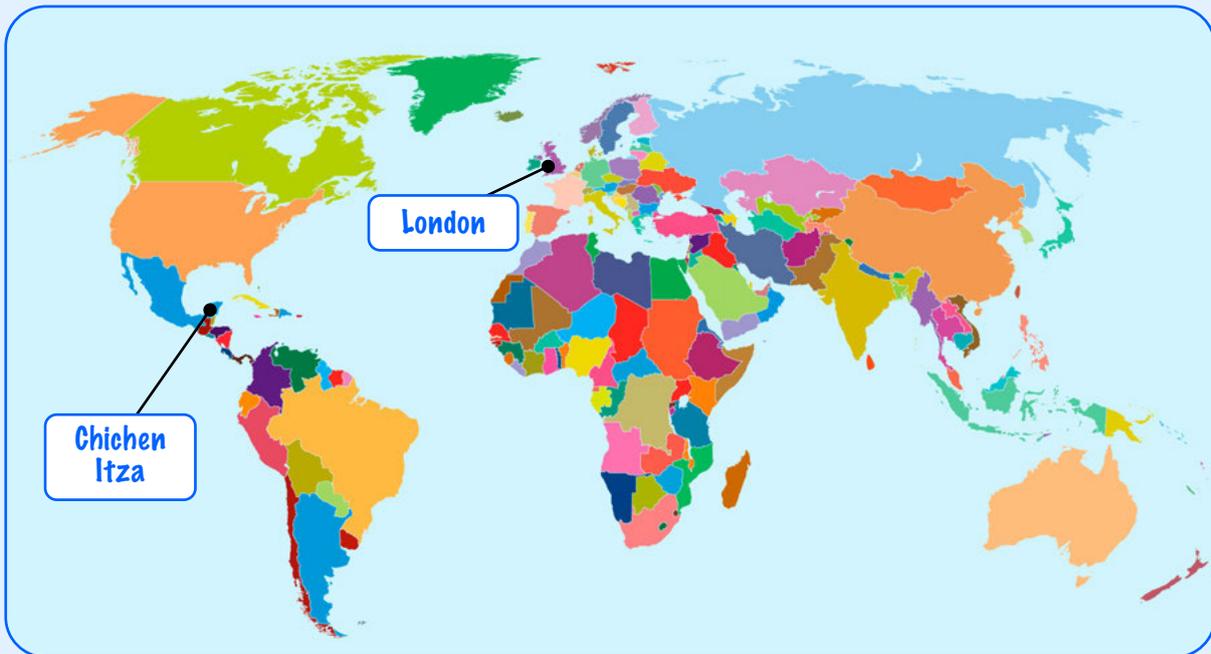
Chichen Itza, Mexico vs London, England

Average monthly temperature of Chichen Itza (°C)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
23	23	25	27	28	27	27	27	27	25	24	22

Average monthly temperature of London (°C)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4	5	7	9	12	15	17	17	14	11	7	5



Average monthly precipitation of Chichen Itza (mm)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
33	27	27	36	42	75	126	93	129	96	36	27

Average monthly precipitation of London (mm)

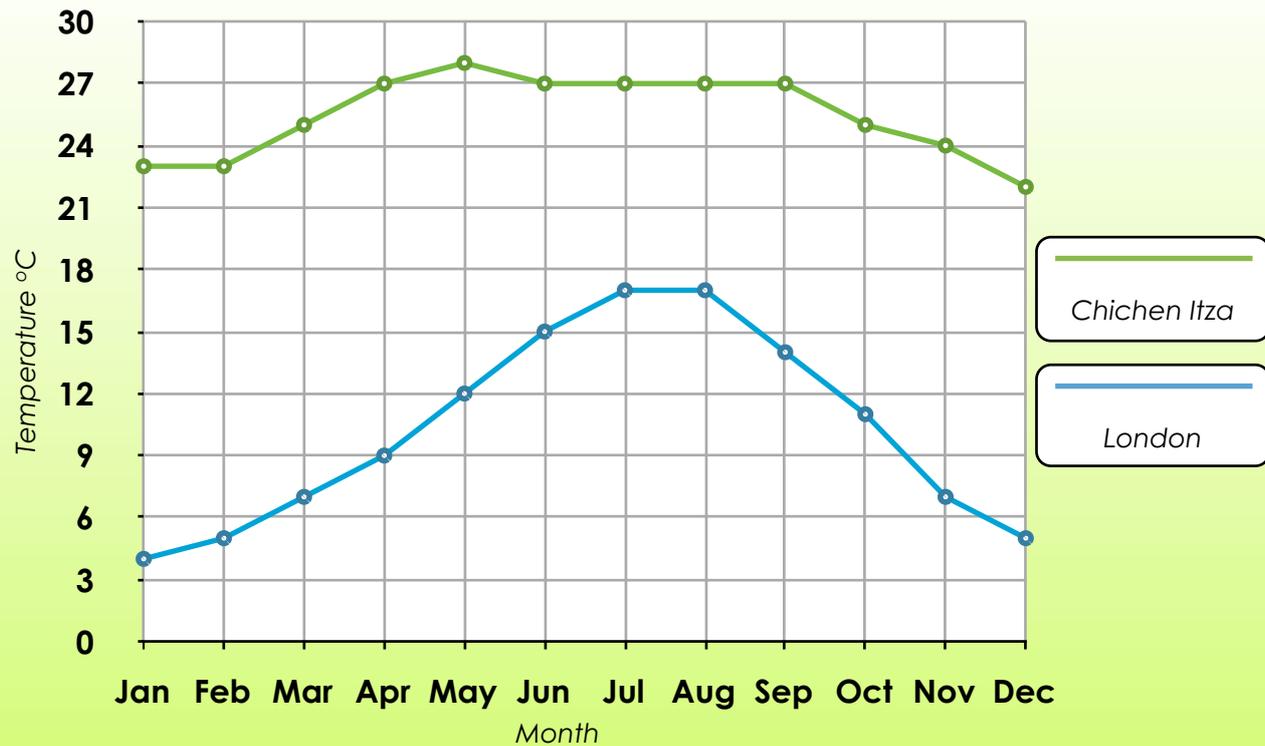
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
54	40	37	37	46	45	57	59	49	57	64	48

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Look at this graph showing the difference in temperature between Chichen Itza, Mexico and London, England, then answer the questions.

A graph to show the average monthly temperatures of Chichen Itza and London



- Which location is hotter: Chichen Itza or London? **Chichen Itza**
- Which is the hottest month in Chichen Itza? **May**
- Which are the hottest months in London? **July and August**
- How much hotter is Chichen Itza than London in December? **17C**
- How much colder is London than Chichen Itza in May? **16C**
- What is the hottest average temperature in Chichen Itza? **28C**
- What is the hottest average temperature in London? **17C**
- What is the coldest average temperature in Chichen Itza? **22C**
- What is the coldest average temperature in London? **4C**
- How would you describe the difference in temperatures between London and Chichen Itza?

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Use your graphs to help you answer these questions about the climate of Chichen Itza, Mexico and London, England.

1. Which location has a hotter climate? **Chichen Itza**

2. What is the highest average temperature of London? **17C**

3. What is the highest average temperature of Chichen Itza? **28C**

4. What is the difference between London's lowest temperature and Chichen Itza's lowest temperature?

**18C**

5. What is the difference between London's highest temperature and Chichen Itza's highest temperature? **11C**

6. What is the range of average temperatures in London? **13C**

7. What is the range of average temperatures in Chichen Itza? **6C**

8. How much rainfall does Chichen Itza have in an average year? **62.25mm**

9. How much rainfall does London have in an average year? **49.42mm**

10. What is the difference in rainfall between London and Chichen Itza in September?

**80mm**

Describe what these graphs tell you about the difference in climate between Chichen Itza and London.