**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_ Hour:\_\_\_\_\_**

**Average Temperatures Graph**

Create bar graphs or a line graphs using the following information about temperatures in Detroit, Michigan, United States of America and Sao Paulo, Brazil. One graph should tell about high temperature and one graph should tell about low temperatures.

* Your graphs need to include a title, a label on the X axis, a label on the Y axis and color. Be prepared to share your answers with your classmates.
* All temperatures are in C0, Celsius.

***Detroit, Michigan, Sao Paulo, Brazil***

 ***United States of America***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Month*** | ***Average High*** | ***Average Low*** |  | ***Month*** | ***Average High*** | ***Average Low*** |
| January | 27 | 19 |   | January | 0 | -7 |
| February | 30 | 20 |   | February | 2 | -6 |
| March | 20 | 18 |   | March | 8 | -2 |
| April | 30 | 17 |   | April | 15 | 4 |
| May | 24 | 14 |   | May | 21 | 10 |
| June | 22 | 13 |   | June | 26 | 15 |
| July | 25 | 13 |   | July | 29 | 18 |
| August | 26 | 14 |   | August | 27 | 17 |
| September | 26 | 15 |   | September | 23 | 13 |
| October | 27 | 17 |   | October | 16 | 6 |
| November | 27 | 17 |   | November | 9 | 1 |
| December | 28 | 20 |   | December | 2 | -4 |

***Answer the questions on the back of this paper in your science notebook. Be prepared to share your information with your classmates.***

***Using the graph information.***

1. What month has the highest average temperature in Detroit?
2. In Sao Paulo what was the lowest average temperature?
3. When was the lowest average temperature in Sao Paulo?
4. What month has the highest average temperature in Sao Paulo?
5. In Detroit what was the highest lowest average temperature?
6. When was the lowest average temperature in Detroit?
7. What stands out, is interesting or confusing about these temperature readings?
8. Why did that item catch your attention?