

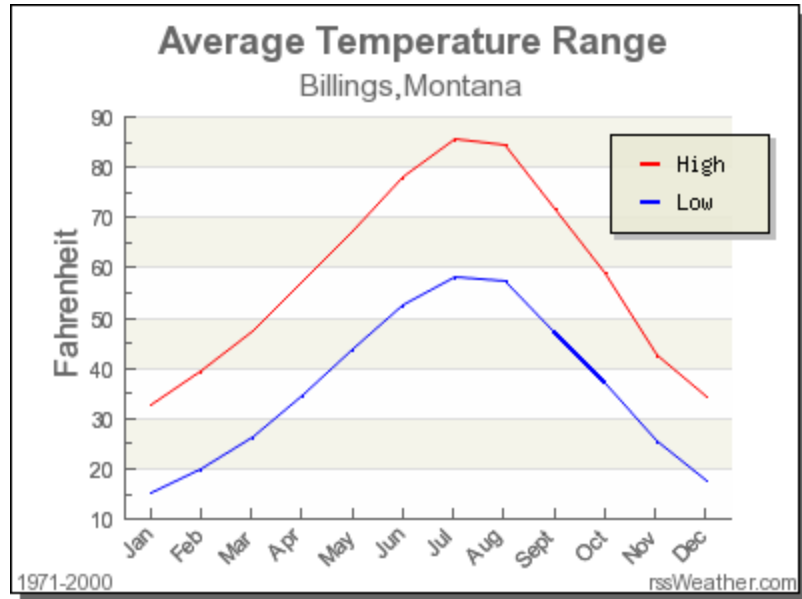
Climate for Billings, Montana

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DO NOT WRITE
ON THIS!
THANK YOU!

Average Temperatures for Billings

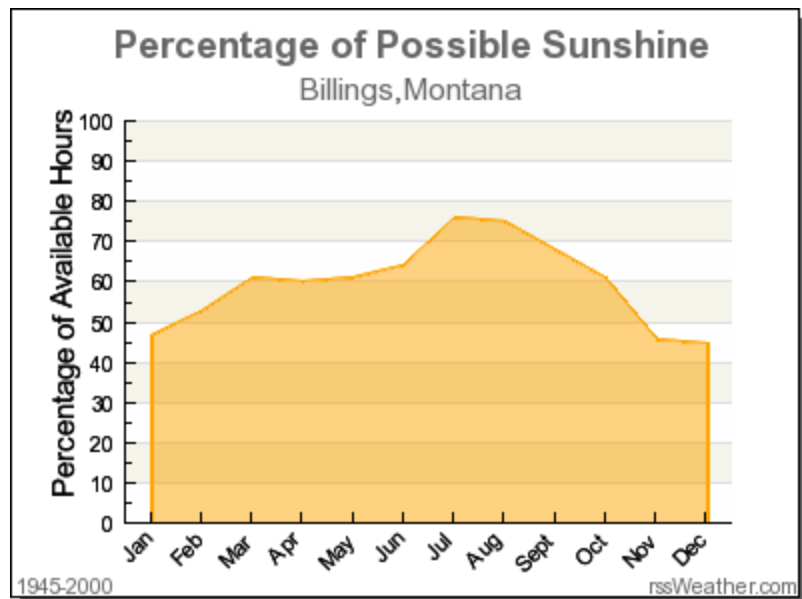
Month	Low	High
Jan	15.1°F	32.8°F
Feb	20.1°F	39.5°F
Mar	26.4°F	47.6°F
Apr	34.7°F	57.5°F
May	44.0°F	67.4°F
Jun	52.5°F	78.0°F
Jul	58.3°F	85.8°F
Aug	57.3°F	84.5°F
Sept	47.1°F	71.8°F
Oct	37.2°F	58.9°F
Nov	25.6°F	42.7°F
Dec	17.7°F	34.5°F



Billings's coldest month is January when the average temperature overnight is 15.1°F. In July, the warmest month, the average day time temperature rises to 85.8°F.

Monthly Sunshine Hours

Month	Sunshine Hours
Jan	47%
Feb	53%
Mar	61%
Apr	60%
May	61%
Jun	64%
Jul	76%
Aug	75%
Sept	68%
Oct	61%
Nov	46%
Dec	45%

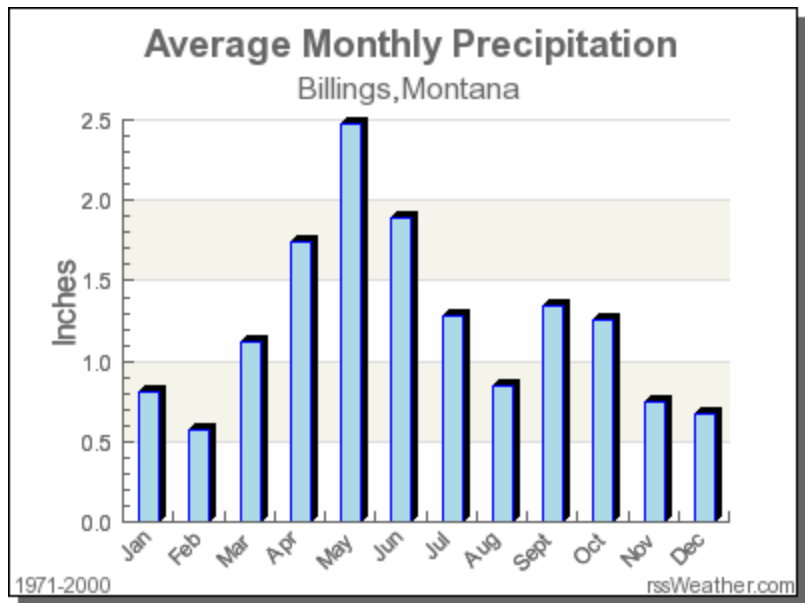


Sunshine hours refers to the amount sunshine there is during the hours of daylight. A higher percentage means there is more sunshine through the day and a lower percentage will indicate that it is probably cloudier. Sunshine hours are important when you are planning your vacation.

Average Rainfall for Billings

Month Precipitation

Jan	0.81in.
Feb	0.57in.
Mar	1.12in.
Apr	1.74in.
May	2.48in.
Jun	1.89in.
Jul	1.28in.
Aug	0.85in.
Sept	1.34in.
Oct	1.26in.
Nov	0.75in.
Dec	0.67in.



The driest month in Billings is February with 0.57 inches of precipitation, and with 2.48 inches May is the wettest month.

Introduction:

Billings is famous for having some of the “mildest” weather in Montana. Because of our location “downwind” of the mountains, we tend to get warm dry air flowing down from the Rocky Mountains. This wind, often called “CHINOOKS”, warms and dries the air around Billings.

1. Analyze the data and chart for Average Temperatures of Billings. Make three scientific observations about the data.
2. Find the chart about Monthly Sunshine Hours. What are “sunshine hours”?
3. Analyze the data and chart for Monthly Sunshine Hours. Make three scientific observations about the data.
4. Analyze the data and chart for Average Rainfall in Billings. Make three scientific observations about the data.
5. Create a graph with an x and y axis similar to the Average Temperature Graph.
 - Find the median temperature for each month and graph the points.
 - Plot the “Monthly Sunshine Hours” on your graph.
6. List the two months with the warmest (high) temperatures.
7. List the two months with the most sunshine hours.
8. Explain the relationship between sunlight hours and temperature in Billings.
9. During which season (Spring, Summer, Fall, or Winter) does Billings receive the LEAST precipitation.
10. Write complete sentence(s) explaining why the sunlight hours graph and the temperature graph do not follow the same exact “bell curve”. (*hint: think about the precipitation graph*)