







Name			

**Part 1:** The first four pages contain weather data for August 2022 for four different cities. Pick the city you'd like to use to complete this table below for.

## Weather Chart for:\_\_\_\_\_

31						
30						
29						
28						
27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						
14						
13						
12						
11						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						
	All Sun	Some Sun and Some Clouds	All Clouds	Showers or Rain	Thunderstorm	Over 90°F

Start at the bottom of this table and find Aug 1 on your weather data sheet. What was the weather like that day? Find the appropriate box above and color it in for that day. You may have to fill in more than one box per day.

1. Which weather condition was the most frequent for the city you chose?

2. What fraction of the days were:

Weather Condition	Fraction
Sunny	
Most Cloudy/Partly Cloudy	
Cloudy	
Showers/Rain	
Thunderstorms	
Over 90°F?	
Over 100°F?	
Had a rainfall larger than 0 inches?	
Had less than a 10°F temperature difference between the low and the high temperature for that day?	

Name
------

**Part 2.** Now we're going to complete this same information for the rest of the three cities, but we're going to do it without coloring in the chart on page 5.

City Name: \_\_\_\_\_

Weather Condition	Fraction
Sunny	
Most Cloudy/Partly Cloudy	
Cloudy	
Showers/Rain	
Thunderstorms	
Over 90°F?	
Over 100°F?	
Had a rainfall larger than 0 inches?	
Had less than a 10°F temperature difference between the low and the high temperature for that day?	

Name			
------	--	--	--

City	/ Name:
------	---------

Weather Condition	Fraction
Sunny	
Most Cloudy/Partly Cloudy	
Cloudy	
Showers/Rain	
Thunderstorms	
Over 90°F?	
Over 100°F?	
Had a rainfall larger than 0 inches?	
Had less than a 10°F temperature difference between the low and the high temperature for that day?	

Name

City Name:
------------

Weather Condition	Fraction
Sunny	
Most Cloudy/Partly Cloudy	
Cloudy	
Showers/Rain	
Thunderstorms	
Over 90°F?	
Over 100°F?	
Had a rainfall larger than 0 inches?	
Had less than a 10°F temperature difference between the low and the high temperature for that day?	

Name	
------	--

**Part 3:** What is the perfect day for you? Do you prefer warm weather or cool? Dry or humid? Rainy days or pure sunshine? Write down the following day that you would like to have:

Weather Condition	Answer
Temperature range during the day:	
Do you want it completely sunny?	
Do you want some sun, some clouds?	
Do you prefer all cloudy?	
Do you like rain, showers or thunderstorms?	
Which one of the four cities most closely matches your ideal day?	
How many days in that city match up with your answers from above?	
What fraction for that city match up for August?	
Can you find this city on the map?	