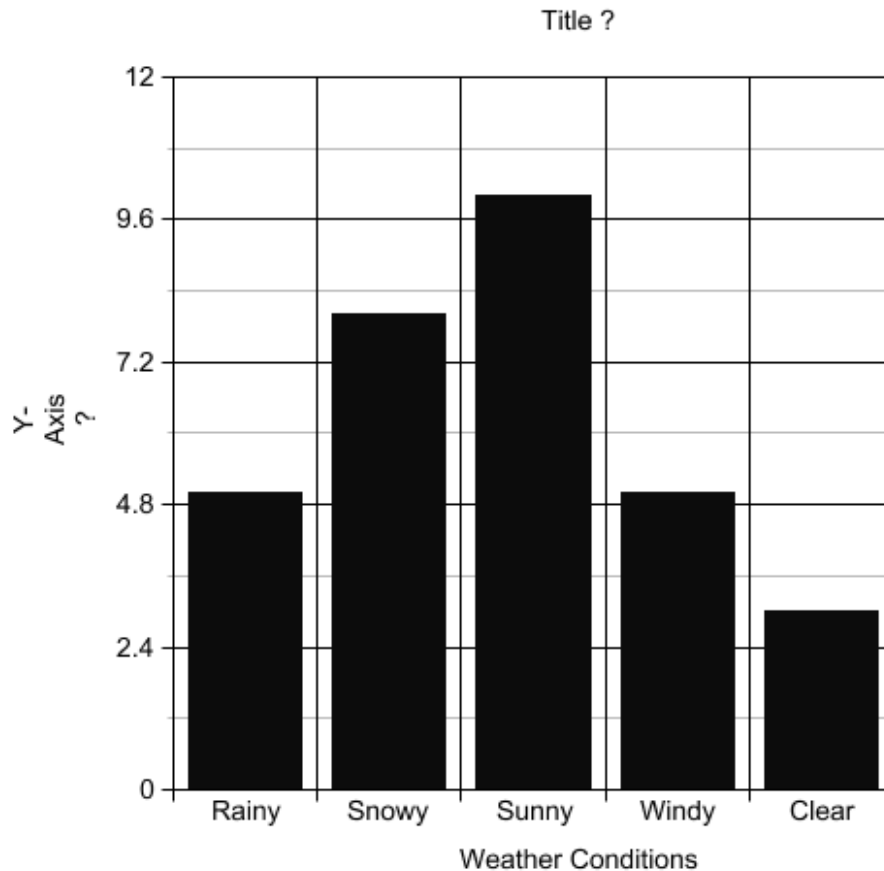


Jim was studying the weather conditions each day in New York City for the month of January.

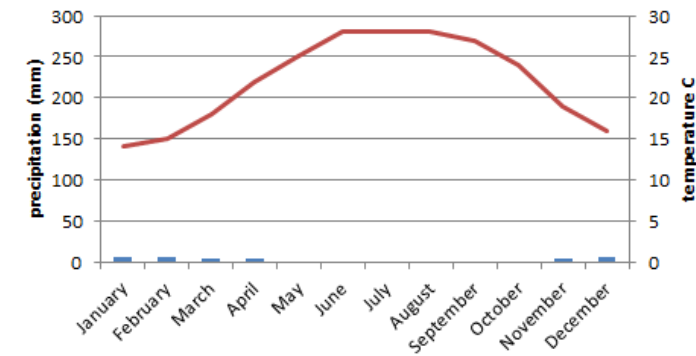


1. What title would fit the bar graph above?
 - a. Bad Weather in New York City
 - b. Summer Weather in New York City
 - c. January Weather in New York City
 - d. Winter Weather in New York City
2. How many more snowy days were there than clear days?
 - a. 8
 - b. 11
 - c. 3
 - d. 5
3. What does the y-axis represent?
 - a. Number of days
 - b. Number of people
 - c. Number of months
 - d. Number of inches

4. Circle the pictograph that represents the annual rainfall for Cairo, Egypt




Cairo



Annual Rainfall in Cairo, Egypt (mm)

Months	Rainfall in Millimeters
January	8
February	6
March	6
April	4
May	2
June	4
July	6
August	16
September	16
October	10
November	6
December	4

 = 2 mm

Below are weather statistics for Grand Rapids, MI and Mombasa, Kenya for January.

Statistics	Mombasa, Kenya	Grand Rapids, Michigan
Low Temperature	73 degrees F	-13 degrees F
High Temperature	88 degrees F	43 degrees F
Average Precipitation	.4 inches of rainfall	23.2 inches of snow
Average Days of Precipitation	4 days	18 days
Hours of daylight	9 hours	9 hours

5. What conclusion can you draw when you compare the weather in Mombasa with that of Grand Rapids?
- a. Mombasa has less precipitation in January than Grand Rapids.
 - b. Mombasa has the same type of precipitation as Grand Rapids.
 - c. Grand Rapids has more precipitation than Mombasa.
 - d. Grand Rapids has less days of precipitation than Mombasa.
6. Based on the above table, I can make the following prediction:
- a. Mombasa’s February temperatures will be above 60 degrees.
 - b. Mombasa will have snowfall in February.
 - c. Mombasa’s weather in February will be cold.
 - d. Mombasa will have 6 hours of daylight.
7. Use the data from the table above to compare and contrast the weather conditions of Mombasa, Kenya and Grand Rapids, Michigan for January.

Johnny was watching the news and they issued a tornado warning in his area. He decided the best place to stay safe would be his basement.

8. Write a claim about the design solution that Johnny chose that would reduce the impact of the tornado. Defend your statement using details and examples.

[illegible]

Use data from your weather journal to create a bar graph and a pictograph. Use the same data for each graph. (examples: precipitation, wind speed, temperature)

9.

[illegible]

10.

Key: