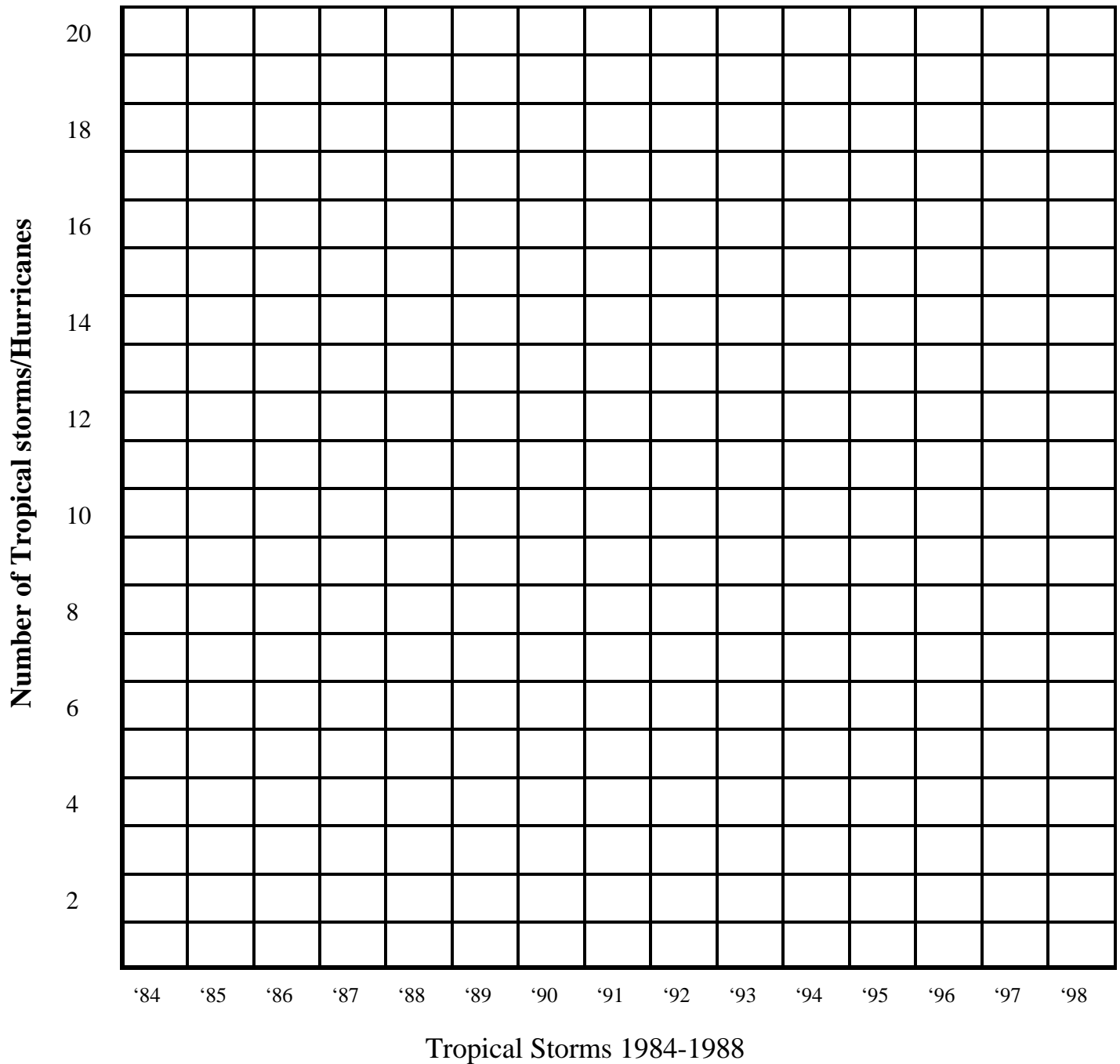


Name: _____ Class: _____

Centre One: Graphing Tropical Storm Data:

Tropical Storms and Hurricanes 1984-1998



Using the information in the chart on the next page, create a bar graph (histogram) of the number of tropical storms and hurricanes for the period 1984-1998 during the Atlantic Hurricane Season.

Directions: Follow the steps below for each column which represents one year.

First, colour each column to show the number of tropical storms that did not reach hurricane strength. Use blue for this data.

Second, colour the section of the column to show the number of hurricanes that occurred during the hurricane season. Use red for this data.

Tropical Storms and Hurricanes for the Hurricane Seasons, 1984-1998

Use the information on this table to create the bar graph on the previous page.

| Year | Tropical Storms not Reaching Hurricane Strength | Hurricanes | Total Tropical Storms |
|------|---|------------|-----------------------|
| 1984 | 8 | 5 | 13 |
| 1985 | 4 | 7 | 11 |
| 1986 | 2 | 4 | 6 |
| 1987 | 4 | 3 | 7 |
| 1988 | 6 | 6 | 12 |
| 1989 | 4 | 7 | 11 |
| 1990 | 6 | 8 | 14 |
| 1991 | 4 | 4 | 8 |
| 1992 | 3 | 4 | 7 |
| 1993 | 4 | 4 | 8 |
| 1994 | 4 | 3 | 7 |
| 1995 | 8 | 11 | 19 |
| 1996 | 4 | 9 | 13 |
| 1997 | 4 | 3 | 7 |
| 1998 | 5 | 9 | 14 |

Interpreting the Graph

Part A

1. The year with the most number of tropical storms _____
2. The year with the least number of tropical storms _____
3. The year with the most number of hurricanes _____
4. The year with the least number of hurricanes _____

Part B

1. The years with the most number of tropical storms not reaching hurricane force
..... _____
2. The years the number of tropical storms and hurricanes were the same.
..... _____
3. The years with the same number of tropical storms but different numbers of hurricanes.
..... _____

Part C

1. The rise and fall of the columns on this type of graph provide a lot of information about tropical storm numbers over a long period of time. Considering the graph as a whole, what things do you observe about the numbers of tropical storms over the fifteen year period?

2. Generally speaking, have the number of hurricanes always increases with increases in the number of tropical storms? YES or NO (circle one)
3. Are there years when there are exceptions to your general observation and what are they?

